



FCC SAR TEST REPORT

Report No. : FA221602

	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI5	40620	2593	22.30	22.50	1.047	42.9	1.009	-0.01	0.687	0.726
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI5	40620	2593	22.30	22.50	1.047	42.9	1.009	-0.16	0.796	0.841
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Cheek	0mm	Ant 1	DSI5	40620	2593	22.30	22.50	1.047	42.9	1.009	-0.04	0.262	0.277
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Tilted	0mm	Ant 1	DSI5	40620	2593	22.30	22.50	1.047	42.9	1.009	0.06	0.291	0.307
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI5	39750	2506	22.16	22.50	1.081	42.9	1.009	-0.15	0.607	0.662
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI5	40185	2549.5	22.23	22.50	1.064	42.9	1.009	-0.09	0.846	0.908
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI5	41055	2636.5	22.09	22.50	1.099	42.9	1.009	0.11	0.637	0.706
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI5	41490	2680	21.88	22.50	1.153	42.9	1.009	-0.12	0.613	0.713
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI5	39750	2506	22.16	22.50	1.081	42.9	1.009	0.01	0.774	0.845
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI5	40185	2549.5	22.23	22.50	1.064	42.9	1.009	0.03	0.882	0.947
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI5	41055	2636.5	22.09	22.50	1.099	42.9	1.009	-0.01	0.719	0.797
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI5	41490	2680	21.88	22.50	1.153	42.9	1.009	-0.06	0.605	0.704
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI5	40620	2593	22.26	22.50	1.057	42.9	1.009	0.06	0.690	0.736
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI5	40620	2593	22.26	22.50	1.057	42.9	1.009	0.08	0.810	0.864
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI5	40620	2593	22.26	22.50	1.057	42.9	1.009	-0.11	0.271	0.289
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI5	40620	2593	22.26	22.50	1.057	42.9	1.009	-0.16	0.297	0.317
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI5	39750	2506	22.16	22.50	1.081	42.9	1.009	-0.01	0.612	0.668
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI5	40185	2549.5	22.24	22.50	1.062	42.9	1.009	0.16	0.864	0.926
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI5	41055	2636.5	22.19	22.50	1.074	42.9	1.009	-0.04	0.643	0.697
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI5	41490	2680	22.14	22.50	1.086	42.9	1.009	-0.13	0.624	0.684
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI5	39750	2506	22.16	22.50	1.081	42.9	1.009	-0.04	0.784	0.855
14	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI5	40185	2549.5	22.24	22.50	1.062	42.9	1.009	-0.08	0.901	0.965
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI5	41055	2636.5	22.19	22.50	1.074	42.9	1.009	-0.04	0.726	0.787
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI5	41490	2680	22.14	22.50	1.086	42.9	1.009	0.05	0.618	0.677
	LTE Band 41 (HPUE)	20M	QPSK	100	0	Right Cheek	0mm	Ant 1	DSI5	40620	2593	22.22	22.50	1.067	42.9	1.009	0.04	0.676	0.728
	LTE Band 41 (HPUE)	20M	QPSK	100	0	Right Tilted	0mm	Ant 1	DSI5	40620	2593	22.22	22.50	1.067	42.9	1.009	0.16	0.843	0.907
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI10	40620	2593	21.15	21.50	1.084	42.9	1.009	-0.02	0.557	0.609
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI10	40620	2593	21.15	21.50	1.084	42.9	1.009	-0.13	0.637	0.697
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Cheek	0mm	Ant 1	DSI10	40620	2593	21.15	21.50	1.084	42.9	1.009	0.13	0.211	0.231
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Tilted	0mm	Ant 1	DSI10	40620	2593	21.15	21.50	1.084	42.9	1.009	0.08	0.231	0.253
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI10	39750	2506	20.75	21.50	1.189	42.9	1.009	0.02	0.489	0.586
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI10	40185	2549.5	21.11	21.50	1.094	42.9	1.009	-0.16	0.756	0.834
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI10	41055	2636.5	20.46	21.50	1.271	42.9	1.009	0.13	0.500	0.641
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI10	41490	2680	20.50	21.50	1.259	42.9	1.009	-0.02	0.487	0.619
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI10	39750	2506	20.75	21.50	1.189	42.9	1.009	-0.06	0.617	0.740
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI10	40185	2549.5	21.11	21.50	1.094	42.9	1.009	-0.14	0.672	0.742
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI10	41055	2636.5	20.46	21.50	1.271	42.9	1.009	0.06	0.568	0.728
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 1	DSI10	41490	2680	20.50	21.50	1.259	42.9	1.009	-0.04	0.487	0.619
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI10	40620	2593	21.03	21.50	1.114	42.9	1.009	0.05	0.561	0.631
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI10	40620	2593	21.03	21.50	1.114	42.9	1.009	0.13	0.648	0.729
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI10	40620	2593	21.03	21.50	1.114	42.9	1.009	-0.1	0.223	0.251
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI10	40620	2593	21.03	21.50	1.114	42.9	1.009	0.05	0.234	0.263
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI10	39750	2506	21.01	21.50	1.119	42.9	1.009	-0.14	0.493	0.557
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI10	40185	2549.5	20.95	21.50	1.135	42.9	1.009	-0.03	0.685	0.784
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI10	41055	2636.5	20.79	21.50	1.178	42.9	1.009	-0.09	0.509	0.605
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI10	41490	2680	20.51	21.50	1.256	42.9	1.009	0.01	0.497	0.630
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI10	39750	2506	21.01	21.50	1.119	42.9	1.009	-0.09	0.621	0.701
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI10	40185	2549.5	20.95	21.50	1.135	42.9	1.009	0.09	0.675	0.773
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI10	41055	2636.5	20.79	21.50	1.178	42.9	1.009	0.01	0.581	0.690
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI10	41490	2680	20.51	21.50	1.256	42.9	1.009	0.16	0.496	0.629
	LTE Band 41 (HPUE)	20M	QPSK	100	0	Right Cheek	0mm	Ant 1	DSI10	40620	2593	21.00	21.50	1.122	42.9	1.009	0.04	0.545	0.617
	LTE Band 41 (HPUE)	20M	QPSK	100	0	Right Tilted	0mm	Ant 1	DSI10	40620	2593	21.00	21.50	1.122	42.9	1.009	-0.1	0.655	0.742
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Cheek	0mm	Ant 4	DSI5/10	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.11	0.463	0.531
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Tilted	0mm	Ant 4	DSI5/10	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.07	0.183	0.210
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Cheek	0mm	Ant 4	DSI5/10	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.12	0.205	0.235
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Tilted	0mm	Ant 4	DSI5/10	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.07	0.090	0.103



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LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI5/10	40620	2593	21.84	22.30	1.112	42.9	1.009	-0.11	0.283	0.317
LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI5/10	40620	2593	21.84	22.30	1.112	42.9	1.009	-0.01	0.134	0.150
LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI5/10	40620	2593	21.84	22.30	1.112	42.9	1.009	0.09	0.158	0.177
LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI5/10	40620	2593	21.84	22.30	1.112	42.9	1.009	0.16	0.069	0.077

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																		
	N71	20M	BPSK	1	53	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.20	1.256	-0.05	0.073	0.092
	N71	20M	BPSK	1	53	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.20	1.256	0.1	0.021	0.026
	N71	20M	BPSK	1	53	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.20	1.256	0.16	0.087	0.109
	N71	20M	BPSK	1	53	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.20	1.256	-0.13	0.026	0.033
	N71	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.20	25.20	1.259	-0.03	0.075	0.094
	N71	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.20	25.20	1.259	0.12	0.025	0.031
	N71	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.20	25.20	1.259	-0.14	0.088	0.111
	N71	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.20	25.20	1.259	-0.12	0.031	0.039
	N71	20M	BPSK	1	53	DFT-15	Right Cheek	0mm	Ant 1	DSI5	136100	680.5	21.70	22.70	1.259	-0.08	0.519	0.653
	N71	20M	BPSK	1	53	DFT-15	Right Tilted	0mm	Ant 1	DSI5	136100	680.5	21.70	22.70	1.259	-0.08	0.418	0.526
	N71	20M	BPSK	1	53	DFT-15	Left Cheek	0mm	Ant 1	DSI5	136100	680.5	21.70	22.70	1.259	-0.04	0.438	0.551
	N71	20M	BPSK	1	53	DFT-15	Left Tilted	0mm	Ant 1	DSI5	136100	680.5	21.70	22.70	1.259	0.04	0.419	0.527
15	N71	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI5	136100	680.5	21.66	22.70	1.271	0.1	0.601	0.764
	N71	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI5	136100	680.5	21.66	22.70	1.271	-0.03	0.461	0.586
	N71	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI5	136100	680.5	21.66	22.70	1.271	-0.06	0.397	0.504
	N71	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI5	136100	680.5	21.66	22.70	1.271	0.16	0.427	0.543
	N71	20M	BPSK	1	53	DFT-15	Right Cheek	0mm	Ant 1	DSI10	136100	680.5	21.22	22.20	1.253	-0.08	0.386	0.484
	N71	20M	BPSK	1	53	DFT-15	Right Tilted	0mm	Ant 1	DSI10	136100	680.5	21.22	22.20	1.253	-0.08	0.359	0.450
	N71	20M	BPSK	1	53	DFT-15	Left Cheek	0mm	Ant 1	DSI10	136100	680.5	21.22	22.20	1.253	-0.04	0.317	0.397
	N71	20M	BPSK	1	53	DFT-15	Left Tilted	0mm	Ant 1	DSI10	136100	680.5	21.22	22.20	1.253	0.04	0.325	0.407
	N71	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI10	136100	680.5	21.19	22.20	1.262	0.1	0.415	0.524
	N71	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI10	136100	680.5	21.19	22.20	1.262	-0.03	0.370	0.467
	N71	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI10	136100	680.5	21.19	22.20	1.262	-0.06	0.325	0.410
	N71	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI10	136100	680.5	21.19	22.20	1.262	0.16	0.334	0.421
1750MHz																		
	N66	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.98	24.70	1.180	-0.07	0.072	0.085
	N66	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.98	24.70	1.180	0.06	0.043	0.051
	N66	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.98	24.70	1.180	0.05	0.096	0.113
	N66	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.98	24.70	1.180	-0.15	0.031	0.037
	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.95	24.70	1.189	-0.09	0.071	0.084
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.95	24.70	1.189	-0.05	0.043	0.051
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.95	24.70	1.189	0.03	0.099	0.118
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.95	24.70	1.189	-0.15	0.033	0.039
	N66	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI5	349000	1745	17.38	18.20	1.208	-0.11	0.800	0.966
	N66	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	17.38	18.20	1.208	0.08	0.850	1.027
	N66	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI5	349000	1745	17.38	18.20	1.208	-0.14	0.468	0.565
	N66	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI5	349000	1745	17.38	18.20	1.208	-0.01	0.509	0.615
	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI5	349000	1745	17.35	18.20	1.216	-0.02	0.841	1.023
16	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	17.35	18.20	1.216	0.16	0.870	1.058
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI5	349000	1745	17.35	18.20	1.216	-0.15	0.473	0.575
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI5	349000	1745	17.35	18.20	1.216	-0.05	0.523	0.636
	N66	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 1	DSI5	349000	1745	17.06	18.20	1.300	0.01	0.723	0.940
	N66	40M	BPSK	216	0	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	17.06	18.20	1.300	0.09	0.756	0.983
	N66	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI10	349000	1745	16.86	17.70	1.213	0.01	0.715	0.868
	N66	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI10	349000	1745	16.86	17.70	1.213	0.06	0.755	0.916
	N66	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI10	349000	1745	16.86	17.70	1.213	-0.16	0.415	0.504
	N66	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI10	349000	1745	16.86	17.70	1.213	0.13	0.455	0.552
	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI10	349000	1745	16.84	17.70	1.219	0.11	0.751	0.915



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	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI10	349000	1745	16.84	17.70	1.219	-0.15	0.778	0.948
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI10	349000	1745	16.84	17.70	1.219	0.07	0.421	0.513
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI10	349000	1745	16.84	17.70	1.219	0.04	0.467	0.569
	N66	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 1	DSI10	349000	1745	16.57	17.70	1.297	-0.15	0.653	0.847
	N66	40M	BPSK	216	0	DFT-15	Right Tilted	0mm	Ant 1	DSI10	349000	1745	16.57	17.70	1.297	0.06	0.686	0.890
1900MHz																		
	N25	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	24.04	24.70	1.164	0.13	0.062	0.072
	N25	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	24.04	24.70	1.164	-0.04	0.064	0.075
	N25	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	24.04	24.70	1.164	-0.04	0.097	0.113
	N25	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	24.04	24.70	1.164	0.09	0.083	0.097
	N25	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	24.02	24.70	1.169	0.09	0.065	0.076
	N25	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	24.02	24.70	1.169	0.1	0.065	0.076
	N25	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	24.02	24.70	1.169	0.11	0.092	0.108
	N25	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	24.02	24.70	1.169	-0.14	0.079	0.092
	N25	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI5	376500	1882.5	16.06	16.70	1.159	0.12	0.721	0.835
	N25	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	16.06	16.70	1.159	0.06	0.798	0.925
	N25	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI5	376500	1882.5	16.06	16.70	1.159	0.11	0.507	0.588
	N25	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI5	376500	1882.5	16.06	16.70	1.159	0.16	0.550	0.637
	N25	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI5	376500	1882.5	16.04	16.70	1.164	-0.07	0.781	0.909
17	N25	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	16.04	16.70	1.164	-0.08	1.000	1.164
	N25	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI5	376500	1882.5	16.04	16.70	1.164	0.04	0.510	0.594
	N25	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI5	376500	1882.5	16.04	16.70	1.164	0.02	0.561	0.653
	N25	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 1	DSI5	376500	1882.5	15.99	16.70	1.178	-0.04	0.741	0.873
	N25	40M	BPSK	216	0	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	15.99	16.70	1.178	0.03	0.821	0.967
	N25	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI10	376500	1882.5	15.03	15.70	1.167	0.02	0.573	0.669
	N25	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI10	376500	1882.5	15.03	15.70	1.167	0.16	0.632	0.737
	N25	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI10	376500	1882.5	15.03	15.70	1.167	-0.01	0.401	0.468
	N25	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI10	376500	1882.5	15.03	15.70	1.167	0.1	0.438	0.511
	N25	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI10	376500	1882.5	15.02	15.70	1.169	0.13	0.689	0.806
	N25	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI10	376500	1882.5	15.02	15.70	1.169	0.15	0.726	0.849
	N25	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI10	376500	1882.5	15.02	15.70	1.169	0.14	0.403	0.471
	N25	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI10	376500	1882.5	15.02	15.70	1.169	-0.05	0.443	0.518
	N25	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 1	DSI10	376500	1882.5	14.97	15.70	1.183	-0.06	0.621	0.735
	N25	40M	BPSK	216	0	DFT-15	Right Tilted	0mm	Ant 1	DSI10	376500	1882.5	14.97	15.70	1.183	-0.05	0.709	0.839
	N25	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	21.89	22.70	1.205	-0.04	0.280	0.337
	N25	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	21.89	22.70	1.205	-0.04	0.096	0.116
	N25	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	21.89	22.70	1.205	0.05	0.160	0.193
	N25	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	21.89	22.70	1.205	-0.06	0.109	0.131
	N25	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	21.88	22.70	1.208	0.13	0.271	0.327
	N25	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	21.88	22.70	1.208	0.07	0.103	0.124
	N25	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	21.88	22.70	1.208	-0.04	0.165	0.199
	N25	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	21.88	22.70	1.208	-0.1	0.109	0.132
2600MHz																		
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	22.59	23.40	1.205	0.02	0.267	0.322
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	22.59	23.40	1.205	0.09	0.096	0.116
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	22.59	23.40	1.205	-0.16	0.124	0.149
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	22.59	23.40	1.205	0.05	0.075	0.090
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	22.54	23.40	1.219	0.11	0.262	0.319
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	22.54	23.40	1.219	-0.12	0.092	0.112
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	22.54	23.40	1.219	-0.16	0.126	0.154
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	22.54	23.40	1.219	0.09	0.075	0.091
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	15.39	15.90	1.125	0.01	0.431	0.485
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	15.39	15.90	1.125	-0.16	0.443	0.498
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI5	518598	2592.99	15.39	15.90	1.125	0.05	0.167	0.188
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI5	518598	2592.99	15.39	15.90	1.125	-0.04	0.184	0.207
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	15.36	15.90	1.132	0.08	0.425	0.481



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	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	15.36	15.90	1.132	-0.02	0.435	0.493
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI5	518598	2592.99	15.36	15.90	1.132	0.09	0.161	0.182
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI5	518598	2592.99	15.36	15.90	1.132	0.12	0.180	0.204
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI10	518598	2592.99	14.69	15.40	1.178	0.01	0.384	0.452
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI10	518598	2592.99	14.69	15.40	1.178	-0.16	0.395	0.465
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	14.69	15.40	1.178	0.05	0.149	0.175
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	14.69	15.40	1.178	-0.04	0.164	0.193
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI10	518598	2592.99	14.65	15.40	1.189	0.08	0.379	0.450
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI10	518598	2592.99	14.65	15.40	1.189	-0.02	0.388	0.461
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	14.65	15.40	1.189	0.09	0.143	0.170
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	14.65	15.40	1.189	0.12	0.160	0.190
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	15.33	16.20	1.222	0.01	0.041	0.050
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	15.33	16.20	1.222	0.08	0.018	0.022
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	15.33	16.20	1.222	0.15	0.104	0.127
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	15.33	16.20	1.222	0.07	0.031	0.038
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	15.30	16.20	1.230	-0.01	0.041	0.050
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	15.30	16.20	1.230	-0.15	0.021	0.026
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	15.30	16.20	1.230	0.09	0.106	0.130
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	15.30	16.20	1.230	-0.13	0.038	0.047
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	19.18	20.20	1.265	-0.11	0.450	0.569
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	19.18	20.20	1.265	0.06	0.232	0.293
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	19.18	20.20	1.265	-0.08	0.263	0.333
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	19.18	20.20	1.265	0.13	0.106	0.134
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	19.15	20.20	1.274	0.1	0.402	0.512
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	19.15	20.20	1.274	0.16	0.217	0.276
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	19.15	20.20	1.274	0.08	0.254	0.323
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	19.15	20.20	1.274	-0.08	0.102	0.130
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.23	26.40	1.309	-0.08	0.490	0.641
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.23	26.40	1.309	0.08	0.161	0.211
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.23	26.40	1.309	-0.13	0.223	0.292
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.23	26.40	1.309	-0.16	0.137	0.179
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.18	26.40	1.324	0.04	0.479	0.634
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.18	26.40	1.324	0.16	0.163	0.216
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.18	26.40	1.324	-0.05	0.227	0.301
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.18	26.40	1.324	-0.15	0.140	0.185
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.15	25.90	1.189	0.11	0.478	0.568
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	17.88	18.90	1.265	-0.14	0.736	0.931
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	17.88	18.90	1.265	-0.1	0.826	1.045
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI5	518598	2592.99	17.88	18.90	1.265	-0.14	0.228	0.288
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI5	518598	2592.99	17.88	18.90	1.265	-0.08	0.233	0.295
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	17.84	18.90	1.276	0.19	0.740	0.945
18	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	17.84	18.90	1.276	-0.14	0.832	1.062
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI5	518598	2592.99	17.84	18.90	1.276	-0.12	0.236	0.301
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI5	518598	2592.99	17.84	18.90	1.276	0.03	0.240	0.306
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	17.65	18.90	1.334	0.06	0.714	0.952
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	17.65	18.90	1.334	0.09	0.795	1.060
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI10	518598	2592.99	17.40	18.40	1.259	0.06	0.656	0.826
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI10	518598	2592.99	17.40	18.40	1.259	0.1	0.736	0.927
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	17.40	18.40	1.259	-0.01	0.203	0.256
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	17.40	18.40	1.259	0.05	0.208	0.262
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI10	518598	2592.99	17.35	18.40	1.274	-0.14	0.660	0.841
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI10	518598	2592.99	17.35	18.40	1.274	0.04	0.742	0.945
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	17.35	18.40	1.274	0.15	0.210	0.267
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	17.35	18.40	1.274	-0.15	0.214	0.273
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	17.15	18.40	1.334	0.06	0.636	0.848
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	17.15	18.40	1.334	0.03	0.709	0.945



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N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	18.12	19.20	1.282	0.13	0.078	0.100
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	18.12	19.20	1.282	0.1	0.032	0.041
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	18.12	19.20	1.282	0.06	0.185	0.237
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	18.12	19.20	1.282	0.15	0.053	0.068
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	18.02	19.20	1.312	-0.12	0.080	0.105
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	18.02	19.20	1.312	-0.04	0.035	0.046
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI5/10	518598	2592.99	18.02	19.20	1.312	0.1	0.167	0.219
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI5/10	518598	2592.99	18.02	19.20	1.312	-0.06	0.056	0.073
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	22.36	23.20	1.213	0.14	0.851	1.033
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	22.36	23.20	1.213	0.06	0.441	0.535
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	22.36	23.20	1.213	-0.11	0.500	0.607
N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	22.36	23.20	1.213	0.04	0.208	0.252
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	22.18	23.20	1.265	0.05	0.806	1.019
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	22.18	23.20	1.265	0.04	0.412	0.521
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	22.18	23.20	1.265	-0.02	0.512	0.648
N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5/10	518598	2592.99	22.18	23.20	1.265	-0.05	0.207	0.262
N41 (HPUE)	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	22.06	22.70	1.159	0.05	0.816	0.946
N41 (HPUE)	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 4	DSI5/10	518598	2592.99	22.06	22.70	1.159	0.01	0.490	0.568

3000MHz-4000MHz

N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI5	656000	3840	10.17	11.20	1.268	0.1	0.068	0.086
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI5	656000	3840	10.17	11.20	1.268	-0.04	0.015	0.019
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI5	656000	3840	10.17	11.20	1.268	0.02	0.208	0.264
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI5	656000	3840	10.17	11.20	1.268	-0.05	0.069	0.087
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI5	656000	3840	10.11	11.20	1.285	0.12	0.072	0.093
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI5	656000	3840	10.11	11.20	1.285	0.01	0.016	0.021
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI5	656000	3840	10.11	11.20	1.285	-0.09	0.213	0.274
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI5	656000	3840	10.11	11.20	1.285	-0.01	0.069	0.089
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI5	633334	3500.01	10.67	11.20	1.130	0.03	0.080	0.090
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI5	633334	3500.01	10.67	11.20	1.130	0.04	0.015	0.017
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI5	633334	3500.01	10.67	11.20	1.130	0.08	0.299	0.338
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI5	633334	3500.01	10.67	11.20	1.130	-0.16	0.063	0.071
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI5	633334	3500.01	10.63	11.20	1.140	0.15	0.086	0.098
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI5	633334	3500.01	10.63	11.20	1.140	0.1	0.018	0.021
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI5	633334	3500.01	10.63	11.20	1.140	0.08	0.309	0.352
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI5	633334	3500.01	10.63	11.20	1.140	-0.14	0.072	0.082
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI10	656000	3840	9.21	10.20	1.256	0.15	0.052	0.065
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI10	656000	3840	9.21	10.20	1.256	-0.1	0.012	0.015
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI10	656000	3840	9.21	10.20	1.256	-0.05	0.167	0.210
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI10	656000	3840	9.21	10.20	1.256	-0.08	0.053	0.067
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI10	656000	3840	9.09	10.20	1.291	-0.05	0.055	0.071
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI10	656000	3840	9.09	10.20	1.291	0.07	0.013	0.017
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI10	656000	3840	9.09	10.20	1.291	0.02	0.170	0.220
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI10	656000	3840	9.09	10.20	1.291	-0.12	0.055	0.071
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI10	633334	3500.01	9.67	10.20	1.130	-0.05	0.070	0.079
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI10	633334	3500.01	9.67	10.20	1.130	0.08	0.010	0.011
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI10	633334	3500.01	9.67	10.20	1.130	0.12	0.239	0.270
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI10	633334	3500.01	9.67	10.20	1.130	-0.06	0.058	0.066
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI10	633334	3500.01	9.55	10.20	1.161	0.04	0.065	0.075
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI10	633334	3500.01	9.55	10.20	1.161	-0.05	0.012	0.014
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI10	633334	3500.01	9.55	10.20	1.161	-0.01	0.237	0.275
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI10	633334	3500.01	9.55	10.20	1.161	0.13	0.050	0.058
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5	656000	3840	17.35	18.20	1.216	-0.08	0.231	0.281
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5	656000	3840	17.35	18.20	1.216	0.05	0.059	0.072
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5	656000	3840	17.35	18.20	1.216	-0.09	0.122	0.148
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5	656000	3840	17.35	18.20	1.216	0.04	0.040	0.049
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5	656000	3840	17.26	18.20	1.242	0.13	0.260	0.323



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N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5	656000	3840	17.26	18.20	1.242	0.11	0.063	0.078
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5	656000	3840	17.26	18.20	1.242	0.05	0.123	0.153
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5	656000	3840	17.26	18.20	1.242	0.13	0.042	0.052
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5	633334	3500.01	17.19	18.20	1.262	0.13	0.174	0.220
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5	633334	3500.01	17.19	18.20	1.262	-0.13	0.060	0.076
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5	633334	3500.01	17.19	18.20	1.262	0.15	0.109	0.138
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5	633334	3500.01	17.19	18.20	1.262	-0.16	0.036	0.045
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5	633334	3500.01	16.97	18.20	1.327	-0.12	0.168	0.223
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5	633334	3500.01	16.97	18.20	1.327	-0.03	0.057	0.076
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5	633334	3500.01	16.97	18.20	1.327	0.16	0.115	0.153
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5	633334	3500.01	16.97	18.20	1.327	0.01	0.031	0.041
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI10	656000	3840	16.33	17.20	1.222	-0.16	0.164	0.200
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI10	656000	3840	16.33	17.20	1.222	-0.04	0.047	0.057
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI10	656000	3840	16.33	17.20	1.222	0.01	0.098	0.120
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI10	656000	3840	16.33	17.20	1.222	-0.09	0.031	0.038
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI10	656000	3840	16.27	17.20	1.239	0.1	0.206	0.255
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI10	656000	3840	16.27	17.20	1.239	-0.11	0.047	0.058
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI10	656000	3840	16.27	17.20	1.239	0.07	0.099	0.123
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI10	656000	3840	16.27	17.20	1.239	-0.05	0.033	0.041
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI10	633334	3500.01	16.18	17.20	1.265	-0.07	0.138	0.175
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI10	633334	3500.01	16.18	17.20	1.265	-0.09	0.048	0.061
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI10	633334	3500.01	16.18	17.20	1.265	-0.11	0.087	0.110
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI10	633334	3500.01	16.18	17.20	1.265	0.15	0.028	0.035
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI10	633334	3500.01	16.03	17.20	1.309	-0.03	0.134	0.175
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI10	633334	3500.01	16.03	17.20	1.309	-0.14	0.045	0.059
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI10	633334	3500.01	16.03	17.20	1.309	0.12	0.091	0.119
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI10	633334	3500.01	16.03	17.20	1.309	-0.01	0.024	0.031
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	656000	3840	22.25	23.20	1.245	-0.11	0.082	0.102
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	656000	3840	22.25	23.20	1.245	-0.04	0.077	0.096
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	656000	3840	22.25	23.20	1.245	0.04	0.129	0.161
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	656000	3840	22.25	23.20	1.245	-0.08	0.062	0.077
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	656000	3840	22.23	23.20	1.250	-0.16	0.088	0.110
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	656000	3840	22.23	23.20	1.250	0.12	0.084	0.105
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	656000	3840	22.23	23.20	1.250	-0.07	0.131	0.164
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	656000	3840	22.23	23.20	1.250	0.05	0.065	0.081
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	22.20	23.20	1.259	-0.14	0.057	0.072
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	22.20	23.20	1.259	-0.07	0.077	0.097
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	22.20	23.20	1.259	-0.1	0.127	0.160
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	22.20	23.20	1.259	0.15	0.062	0.078
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	22.16	23.20	1.271	-0.13	0.060	0.076
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	22.16	23.20	1.271	-0.02	0.079	0.100
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	22.16	23.20	1.271	-0.07	0.129	0.164
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	22.16	23.20	1.271	0.16	0.065	0.083
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI5	656000	3840	11.99	12.70	1.178	-0.15	0.125	0.147
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI5	656000	3840	11.99	12.70	1.178	0.04	0.121	0.142
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI5	656000	3840	11.99	12.70	1.178	0.08	0.281	0.331
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI5	656000	3840	11.99	12.70	1.178	-0.06	0.268	0.316
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI5	656000	3840	11.94	12.70	1.191	0.08	0.120	0.143
N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI5	656000	3840	11.94	12.70	1.191	-0.1	0.126	0.150
N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI5	656000	3840	11.94	12.70	1.191	0.01	0.291	0.347
N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI5	656000	3840	11.94	12.70	1.191	0.12	0.273	0.325
N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI5	633334	3500.01	11.83	12.70	1.222	0.11	0.087	0.106
N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI5	633334	3500.01	11.83	12.70	1.222	-0.15	0.092	0.112
N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI5	633334	3500.01	11.83	12.70	1.222	0.12	0.237	0.290
N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI5	633334	3500.01	11.83	12.70	1.222	0.09	0.225	0.275
N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI5	633334	3500.01	11.74	12.70	1.247	-0.09	0.092	0.115



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	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI5	633334	3500.01	11.74	12.70	1.247	0.11	0.092	0.115
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI5	633334	3500.01	11.74	12.70	1.247	-0.12	0.237	0.296
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI5	633334	3500.01	11.74	12.70	1.247	0.1	0.228	0.284
	N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI10	656000	3840	11.00	11.70	1.175	0.01	0.100	0.117
	N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI10	656000	3840	11.00	11.70	1.175	0.15	0.096	0.113
	N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI10	656000	3840	11.00	11.70	1.175	-0.13	0.237	0.278
	N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI10	656000	3840	11.00	11.70	1.175	-0.04	0.221	0.260
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI10	656000	3840	10.97	11.70	1.183	0.08	0.096	0.114
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI10	656000	3840	10.97	11.70	1.183	-0.16	0.100	0.118
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI10	656000	3840	10.97	11.70	1.183	0.07	0.231	0.273
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI10	656000	3840	10.97	11.70	1.183	-0.01	0.228	0.270
	N77	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI10	633334	3500.01	10.85	11.70	1.216	0.03	0.069	0.084
	N77	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI10	633334	3500.01	10.85	11.70	1.216	-0.12	0.073	0.089
	N77	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI10	633334	3500.01	10.85	11.70	1.216	-0.06	0.189	0.230
	N77	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI10	633334	3500.01	10.85	11.70	1.216	-0.12	0.171	0.208
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI10	633334	3500.01	10.80	11.70	1.230	-0.05	0.073	0.090
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI10	633334	3500.01	10.80	11.70	1.230	0.02	0.073	0.090
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI10	633334	3500.01	10.80	11.70	1.230	0.03	0.189	0.233
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI10	633334	3500.01	10.80	11.70	1.230	-0.16	0.181	0.223
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI5	656000	3840	13.18	14.20	1.265	0.14	0.078	0.099
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI5	656000	3840	13.18	14.20	1.265	0.1	0.029	0.037
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI5	656000	3840	13.18	14.20	1.265	0.06	0.363	0.459
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI5	656000	3840	13.18	14.20	1.265	0.12	0.051	0.065
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI5	656000	3840	13.10	14.20	1.288	-0.07	0.082	0.106
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI5	656000	3840	13.10	14.20	1.288	-0.16	0.031	0.040
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI5	656000	3840	13.10	14.20	1.288	-0.16	0.370	0.477
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI5	656000	3840	13.10	14.20	1.288	0.01	0.053	0.068
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI5	633334	3500.01	13.66	14.20	1.132	-0.04	0.117	0.132
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI5	633334	3500.01	13.66	14.20	1.132	-0.14	0.025	0.028
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI5	633334	3500.01	13.66	14.20	1.132	-0.05	0.695	0.787
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI5	633334	3500.01	13.66	14.20	1.132	-0.05	0.074	0.084
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI5	633334	3500.01	13.60	14.20	1.148	0.07	0.123	0.141
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI5	633334	3500.01	13.60	14.20	1.148	0.16	0.030	0.034
19	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI5	633334	3500.01	13.60	14.20	1.148	0.04	0.724	0.831
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI5	633334	3500.01	13.60	14.20	1.148	0.13	0.076	0.087
	N77 (HPUE)	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 3	DSI5	633334	3500.01	13.48	14.20	1.180	0.13	0.701	0.827
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI10	656000	3840	12.16	13.20	1.271	0.14	0.062	0.079
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI10	656000	3840	12.16	13.20	1.271	0.1	0.023	0.029
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI10	656000	3840	12.16	13.20	1.271	0.06	0.288	0.366
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI10	656000	3840	12.16	13.20	1.271	0.12	0.041	0.052
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI10	656000	3840	12.12	13.20	1.282	-0.07	0.065	0.083
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI10	656000	3840	12.12	13.20	1.282	-0.16	0.025	0.032
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI10	656000	3840	12.12	13.20	1.282	-0.16	0.290	0.372
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI10	656000	3840	12.12	13.20	1.282	0.01	0.042	0.054
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSI10	633334	3500.01	12.68	13.20	1.127	-0.04	0.093	0.105
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DSI10	633334	3500.01	12.68	13.20	1.127	-0.14	0.020	0.023
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DSI10	633334	3500.01	12.68	13.20	1.127	-0.05	0.552	0.622
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DSI10	633334	3500.01	12.68	13.20	1.127	-0.05	0.059	0.067
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI10	633334	3500.01	12.56	13.20	1.159	0.07	0.098	0.114
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI10	633334	3500.01	12.56	13.20	1.159	0.16	0.024	0.028
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI10	633334	3500.01	12.56	13.20	1.159	0.04	0.549	0.636
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI10	633334	3500.01	12.56	13.20	1.159	0.13	0.060	0.070
	N77 (HPUE)	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 3	DSI10	633334	3500.01	12.47	13.20	1.183	0.03	0.498	0.589
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5	656000	3840	20.35	21.20	1.216	-0.16	0.474	0.576
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5	656000	3840	20.35	21.20	1.216	-0.03	0.113	0.137
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5	656000	3840	20.35	21.20	1.216	-0.03	0.246	0.299



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N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5	656000	3840	20.35	21.20	1.216	-0.01	0.072	0.088
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5	656000	3840	20.26	21.20	1.242	-0.03	0.450	0.559
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5	656000	3840	20.26	21.20	1.242	-0.02	0.112	0.139
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5	656000	3840	20.26	21.20	1.242	0.14	0.246	0.305
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5	656000	3840	20.26	21.20	1.242	-0.01	0.069	0.086
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5	633334	3500.01	20.16	21.20	1.271	-0.09	0.380	0.483
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5	633334	3500.01	20.16	21.20	1.271	0.11	0.112	0.142
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5	633334	3500.01	20.16	21.20	1.271	0.05	0.212	0.269
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5	633334	3500.01	20.16	21.20	1.271	0.05	0.059	0.075
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5	633334	3500.01	20.00	21.20	1.318	-0.13	0.408	0.538
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5	633334	3500.01	20.00	21.20	1.318	0.09	0.131	0.173
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5	633334	3500.01	20.00	21.20	1.318	-0.08	0.242	0.319
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5	633334	3500.01	20.00	21.20	1.318	-0.03	0.075	0.099
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI10	656000	3840	19.36	20.20	1.213	0.07	0.362	0.439
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI10	656000	3840	19.36	20.20	1.213	0.12	0.090	0.109
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI10	656000	3840	19.36	20.20	1.213	-0.07	0.195	0.237
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI10	656000	3840	19.36	20.20	1.213	-0.06	0.057	0.069
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI10	656000	3840	19.30	20.20	1.230	-0.14	0.357	0.439
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI10	656000	3840	19.30	20.20	1.230	0.07	0.089	0.109
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI10	656000	3840	19.30	20.20	1.230	-0.14	0.195	0.240
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI10	656000	3840	19.30	20.20	1.230	-0.16	0.055	0.068
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI10	633334	3500.01	19.16	20.20	1.271	0.1	0.302	0.384
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI10	633334	3500.01	19.16	20.20	1.271	0.06	0.089	0.113
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI10	633334	3500.01	19.16	20.20	1.271	0.13	0.168	0.213
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI10	633334	3500.01	19.16	20.20	1.271	0.03	0.047	0.060
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI10	633334	3500.01	18.97	20.20	1.327	0.08	0.324	0.430
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI10	633334	3500.01	18.97	20.20	1.327	-0.09	0.104	0.138
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI10	633334	3500.01	18.97	20.20	1.327	-0.11	0.192	0.255
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI10	633334	3500.01	18.97	20.20	1.327	-0.1	0.060	0.080
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	656000	3840	25.06	26.20	1.300	0.02	0.143	0.186
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	656000	3840	25.06	26.20	1.300	-0.12	0.145	0.189
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	656000	3840	25.06	26.20	1.300	0.04	0.232	0.302
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	656000	3840	25.06	26.20	1.300	0.1	0.112	0.146
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	656000	3840	25.05	26.20	1.303	0.14	0.145	0.189
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	656000	3840	25.05	26.20	1.303	0.08	0.150	0.195
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	656000	3840	25.05	26.20	1.303	0.14	0.245	0.319
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	656000	3840	25.05	26.20	1.303	-0.13	0.115	0.150
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	24.93	26.20	1.340	-0.13	0.132	0.177
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	24.93	26.20	1.340	-0.12	0.163	0.218
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	24.93	26.20	1.340	0.15	0.305	0.409
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	24.93	26.20	1.340	0.09	0.124	0.166
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	24.82	26.20	1.374	-0.16	0.125	0.172
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	24.82	26.20	1.374	0.07	0.160	0.220
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI5/10	633334	3500.01	24.82	26.20	1.374	0.08	0.281	0.386
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI5/10	633334	3500.01	24.82	26.20	1.374	0.05	0.121	0.166
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI5	656000	3840	15.00	15.70	1.175	-0.13	0.245	0.288
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI5	656000	3840	15.00	15.70	1.175	-0.07	0.253	0.297
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI5	656000	3840	15.00	15.70	1.175	0.09	0.653	0.767
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI5	656000	3840	15.00	15.70	1.175	-0.08	0.563	0.661
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI5	656000	3840	14.95	15.70	1.189	-0.15	0.236	0.280
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI5	656000	3840	14.95	15.70	1.189	-0.12	0.249	0.296
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI5	656000	3840	14.95	15.70	1.189	-0.15	0.646	0.768
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI5	656000	3840	14.95	15.70	1.189	0.16	0.554	0.658
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI5	656000	3840	14.83	15.70	1.222	0.01	0.601	0.734
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI5	656000	3840	14.83	15.70	1.222	-0.04	0.529	0.646
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI5	633334	3500.01	14.83	15.70	1.222	0.12	0.189	0.231



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N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI5	633334	3500.01	14.83	15.70	1.222	0.05	0.194	0.237
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI5	633334	3500.01	14.83	15.70	1.222	-0.01	0.486	0.594
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI5	633334	3500.01	14.83	15.70	1.222	0.04	0.452	0.552
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI5	633334	3500.01	14.78	15.70	1.236	-0.07	0.181	0.224
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI5	633334	3500.01	14.78	15.70	1.236	0.11	0.192	0.237
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI5	633334	3500.01	14.78	15.70	1.236	0.05	0.483	0.597
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI5	633334	3500.01	14.78	15.70	1.236	-0.07	0.437	0.540
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI10	656000	3840	13.99	14.70	1.178	-0.13	0.195	0.230
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI10	656000	3840	13.99	14.70	1.178	-0.07	0.201	0.237
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI10	656000	3840	13.99	14.70	1.178	0.09	0.519	0.611
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI10	656000	3840	13.99	14.70	1.178	-0.08	0.447	0.526
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI10	656000	3840	13.95	14.70	1.189	-0.15	0.187	0.222
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI10	656000	3840	13.95	14.70	1.189	-0.12	0.198	0.235
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI10	656000	3840	13.95	14.70	1.189	-0.15	0.513	0.610
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI10	656000	3840	13.95	14.70	1.189	0.16	0.440	0.523
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI10	656000	3840	13.78	14.70	1.236	0.02	0.477	0.590
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI10	633334	3500.01	13.82	14.70	1.225	0.12	0.150	0.184
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI10	633334	3500.01	13.82	14.70	1.225	0.05	0.154	0.189
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI10	633334	3500.01	13.82	14.70	1.225	-0.01	0.386	0.473
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI10	633334	3500.01	13.82	14.70	1.225	0.04	0.359	0.440
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI10	633334	3500.01	13.78	14.70	1.236	-0.07	0.144	0.178
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI10	633334	3500.01	13.78	14.70	1.236	0.11	0.153	0.189
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI10	633334	3500.01	13.78	14.70	1.236	0.05	0.384	0.475
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI10	633334	3500.01	13.78	14.70	1.236	-0.07	0.347	0.429



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	-0.16	0.058	0.111
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	-0.18	0.056	0.106
20	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.09	0.158	0.301
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	-0.11	0.111	0.212
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	Standalone	6	2437	15.97	17.00	1.268	99.64	1.004	-0.11	0.211	0.269
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7	Standalone	6	2437	15.97	17.00	1.268	99.64	1.004	-0.08	0.254	0.323
21	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Standalone	6	2437	15.97	17.00	1.268	99.64	1.004	0.1	0.625	0.795
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7	Standalone	6	2437	15.97	17.00	1.268	99.64	1.004	0.01	0.509	0.648
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	Simultaneous	6	2437	13.99	15.00	1.262	99.64	1.004	0.07	0.153	0.194
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7	Simultaneous	6	2437	13.99	15.00	1.262	99.64	1.004	-0.06	0.172	0.218
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Simultaneous	6	2437	13.99	15.00	1.262	99.64	1.004	0.16	0.345	0.437
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7	Simultaneous	6	2437	13.99	15.00	1.262	99.64	1.004	0.09	0.264	0.334
5000MHz-6000MHz																
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7	Standalone	54	5270	12.41	13.50	1.285	95.59	1.046	-0.05	0.151	0.203
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7	Standalone	54	5270	12.41	13.50	1.285	95.59	1.046	0.03	0.184	0.247
22	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7	Standalone	54	5270	12.41	13.50	1.285	95.59	1.046	0.02	0.735	0.988
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7	Standalone	54	5270	12.41	13.50	1.285	95.59	1.046	0.14	0.611	0.821
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7	Standalone	62	5310	12.38	13.50	1.294	95.59	1.046	0.02	0.702	0.950
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7	Standalone	62	5310	12.38	13.50	1.294	95.59	1.046	0.02	0.584	0.791
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7	Simultaneous	58	5290	8.87	10.00	1.297	88.89	1.125	-0.01	0.057	0.083
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7	Simultaneous	58	5290	8.87	10.00	1.297	88.89	1.125	0.12	0.063	0.092
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7	Simultaneous	58	5290	8.87	10.00	1.297	88.89	1.125	0.1	0.267	0.390
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7	Simultaneous	58	5290	8.87	10.00	1.297	88.89	1.125	0.13	0.213	0.311
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7	Standalone	122	5610	12.19	14.00	1.517	88.89	1.125	0.08	0.337	0.575
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7	Standalone	122	5610	12.19	14.00	1.517	88.89	1.125	0.09	0.368	0.628
23	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7	Standalone	122	5610	12.19	14.00	1.517	88.89	1.125	-0.03	0.607	1.036
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7	Standalone	122	5610	12.19	14.00	1.517	88.89	1.125	0.02	0.565	0.964
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7	Standalone	106	5530	10.17	11.50	1.358	88.89	1.125	-0.16	0.339	0.518
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7	Standalone	106	5530	10.17	11.50	1.358	88.89	1.125	0.09	0.308	0.471
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7	Simultaneous	122	5610	8.14	10.00	1.535	88.89	1.125	-0.07	0.077	0.133
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7	Simultaneous	122	5610	8.14	10.00	1.535	88.89	1.125	-0.04	0.090	0.155
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7	Simultaneous	122	5610	8.14	10.00	1.535	88.89	1.125	0.05	0.243	0.420
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7	Simultaneous	122	5610	8.14	10.00	1.535	88.89	1.125	0.01	0.113	0.195
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7	Standalone	155	5775	12.87	14.50	1.455	88.89	1.125	-0.16	0.226	0.370
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7	Standalone	155	5775	12.87	14.50	1.455	88.89	1.125	-0.09	0.244	0.400
24	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7	Standalone	155	5775	12.87	14.50	1.455	88.89	1.125	-0.06	0.537	0.879
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7	Standalone	155	5775	12.87	14.50	1.455	88.89	1.125	-0.09	0.373	0.611
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7	Simultaneous	155	5775	10.31	12.00	1.476	88.89	1.125	0.16	0.131	0.217
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7	Simultaneous	155	5775	10.31	12.00	1.476	88.89	1.125	0.07	0.141	0.234
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7	Simultaneous	155	5775	10.31	12.00	1.476	88.89	1.125	0.04	0.251	0.417
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7	Simultaneous	155	5775	10.31	12.00	1.476	88.89	1.125	0.13	0.181	0.300



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Report No. : FA221602

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
ENDC																			
750MHz																			
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Cheek	0mm	Ant 0	DSI5/10	23095	707.5	24.1	24.8	1.175	0.07	0.090	0.106	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Tilted	0mm	Ant 0	DSI5/10	23095	707.5	24.1	24.8	1.175	-0.04	0.052	0.061	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Cheek	0mm	Ant 0	DSI5/10	23095	707.5	24.1	24.8	1.175	0.11	0.109	0.128	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Tilted	0mm	Ant 0	DSI5/10	23095	707.5	24.1	24.8	1.175	0.08	0.061	0.072	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI5/10	23095	707.5	22.99	23.8	1.205	-0.09	0.069	0.083	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI5/10	23095	707.5	22.99	23.8	1.205	0.03	0.043	0.052	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI5/10	23095	707.5	22.99	23.8	1.205	-0.11	0.086	0.104	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI5/10	23095	707.5	22.99	23.8	1.205	-0.01	0.047	0.057	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Cheek	0mm	Ant 1	DSI5	23095	707.5	21.1	21.8	1.175	0.1	0.384	0.451	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Tilted	0mm	Ant 1	DSI5	23095	707.5	21.1	21.8	1.175	0.09	0.371	0.436	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Cheek	0mm	Ant 1	DSI5	23095	707.5	21.1	21.8	1.175	-0.15	0.343	0.403	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Tilted	0mm	Ant 1	DSI5	23095	707.5	21.1	21.8	1.175	0.01	0.360	0.423	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI5	23095	707.5	21	21.8	1.202	-0.04	0.382	0.459	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI5	23095	707.5	21	21.8	1.202	-0.15	0.360	0.433	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI5	23095	707.5	21	21.8	1.202	-0.09	0.339	0.408	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI5	23095	707.5	21	21.8	1.202	-0.13	0.337	0.405	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Cheek	0mm	Ant 1	DSI10	23095	707.5	19.07	19.8	1.183	0.1	0.241	0.285	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Tilted	0mm	Ant 1	DSI10	23095	707.5	19.07	19.8	1.183	-0.07	0.228	0.270	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Cheek	0mm	Ant 1	DSI10	23095	707.5	19.07	19.8	1.183	0.05	0.218	0.258	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Tilted	0mm	Ant 1	DSI10	23095	707.5	19.07	19.8	1.183	-0.16	0.208	0.246	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI10	23095	707.5	18.97	19.8	1.211	-0.11	0.239	0.289	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI10	23095	707.5	18.97	19.8	1.211	-0.02	0.221	0.268	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI10	23095	707.5	18.97	19.8	1.211	-0.16	0.214	0.259	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI10	23095	707.5	18.97	19.8	1.211	-0.08	0.207	0.251	
1750MHz																			
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 0	DSI5/10	132322	1745	22.72	23.3	1.143	-0.05	0.059	0.067	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 0	DSI5/10	132322	1745	22.72	23.3	1.143	0.02	0.024	0.027	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 0	DSI5/10	132322	1745	22.72	23.3	1.143	0.04	0.056	0.064	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 0	DSI5/10	132322	1745	22.72	23.3	1.143	-0.01	0.024	0.027	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI5/10	132322	1745	21.65	22.3	1.161	-0.15	0.042	0.049	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI5/10	132322	1745	21.65	22.3	1.161	0.04	0.027	0.031	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI5/10	132322	1745	21.65	22.3	1.161	-0.16	0.046	0.053	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI5/10	132322	1745	21.65	22.3	1.161	0.06	0.016	0.019	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 1	DSI5	132322	1745	12.82	13.8	1.253	0.04	0.302	0.378	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI5	132322	1745	12.82	13.8	1.253	-0.03	0.406	0.509	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 1	DSI5	132322	1745	12.82	13.8	1.253	-0.16	0.205	0.257	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 1	DSI5	132322	1745	12.82	13.8	1.253	0	0.226	0.283	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI5	132322	1745	12.38	13.8	1.387	0.13	0.280	0.388	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI5	132322	1745	12.38	13.8	1.387	-0.11	0.312	0.433	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI5	132322	1745	12.38	13.8	1.387	0.16	0.186	0.258	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI5	132322	1745	12.38	13.8	1.387	-0.03	0.211	0.293	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 1	DSI10	132322	1745	10.82	11.8	1.253	0.05	0.173	0.217	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI10	132322	1745	10.82	11.8	1.253	-0.02	0.186	0.233	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 1	DSI10	132322	1745	10.82	11.8	1.253	-0.01	0.130	0.163	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 1	DSI10	132322	1745	10.82	11.8	1.253	-0.12	0.154	0.193	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI10	132322	1745	10.38	11.8	1.387	0.07	0.172	0.239	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI10	132322	1745	10.38	11.8	1.387	-0.09	0.180	0.250	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI10	132322	1745	10.38	11.8	1.387	0.08	0.129	0.179	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI10	132322	1745	10.38	11.8	1.387	0.09	0.143	0.198	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 4	DSI5/10	132322	1745	21.45	22.3	1.216	0.14	0.009	0.011	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 4	DSI5/10	132322	1745	21.45	22.3	1.216	0.11	0.015	0.018	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 4	DSI5/10	132322	1745	21.45	22.3	1.216	0.1	0.003	0.004	



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	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 4	DSI5/10	132322	1745	21.45	22.3	1.216	-0.02	0.005	0.006	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI5/10	132322	1745	20.43	21.3	1.222	0.11	0.008	0.010	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI5/10	132322	1745	20.43	21.3	1.222	0.08	0.013	0.016	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI5/10	132322	1745	20.43	21.3	1.222	-0.04	0.002	0.002	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI5/10	132322	1745	20.43	21.3	1.222	0.04	0.004	0.005	
1900MHz																			
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 0	DSI5/10	18900	1880	22.54	23.3	1.191	0.03	0.053	0.063	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 0	DSI5/10	18900	1880	22.54	23.3	1.191	-0.07	0.045	0.054	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 0	DSI5/10	18900	1880	22.54	23.3	1.191	-0.14	0.068	0.081	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 0	DSI5/10	18900	1880	22.54	23.3	1.191	-0.08	0.051	0.061	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI5/10	18900	1880	21.39	22.3	1.233	0.13	0.044	0.054	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI5/10	18900	1880	21.39	22.3	1.233	0.16	0.038	0.047	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI5/10	18900	1880	21.39	22.3	1.233	-0.05	0.051	0.063	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI5/10	18900	1880	21.39	22.3	1.233	-0.12	0.041	0.051	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 1	DSI5	18900	1880	13.52	14.3	1.197	-0.12	0.309	0.370	
25	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI5	18900	1880	13.52	14.3	1.197	-0.14	0.451	0.540	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 1	DSI5	18900	1880	13.52	14.3	1.197	-0.01	0.220	0.263	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 1	DSI5	18900	1880	13.52	14.3	1.197	-0.16	0.256	0.306	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI5	18900	1880	13.48	14.3	1.208	0.15	0.297	0.359	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI5	18900	1880	13.48	14.3	1.208	0.14	0.343	0.414	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI5	18900	1880	13.48	14.3	1.208	0.11	0.211	0.255	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI5	18900	1880	13.48	14.3	1.208	0.02	0.246	0.297	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 1	DSI10	18900	1880	11.37	12.3	1.239	-0.11	0.190	0.235	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI10	18900	1880	11.37	12.3	1.239	-0.16	0.265	0.328	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 1	DSI10	18900	1880	11.37	12.3	1.239	0.14	0.142	0.176	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 1	DSI10	18900	1880	11.37	12.3	1.239	-0.02	0.160	0.198	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI10	18900	1880	11.33	12.3	1.250	-0.11	0.180	0.225	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI10	18900	1880	11.33	12.3	1.250	0.03	0.221	0.276	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI10	18900	1880	11.33	12.3	1.250	-0.04	0.135	0.169	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI10	18900	1880	11.33	12.3	1.250	0.15	0.156	0.195	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 4	DSI5/10	18900	1880	21.17	22.3	1.297	0.08	0.216	0.280	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 4	DSI5/10	18900	1880	21.17	22.3	1.297	0.11	0.085	0.110	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Cheek	0mm	Ant 4	DSI5/10	18900	1880	21.17	22.3	1.297	-0.11	0.123	0.160	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Tilted	0mm	Ant 4	DSI5/10	18900	1880	21.17	22.3	1.297	-0.07	0.081	0.105	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI5/10	18900	1880	20.14	21.3	1.306	-0.07	0.150	0.196	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI5/10	18900	1880	20.14	21.3	1.306	0.14	0.060	0.078	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI5/10	18900	1880	20.14	21.3	1.306	0.06	0.089	0.116	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI5/10	18900	1880	20.14	21.3	1.306	-0.15	0.055	0.072	
NSA																			
750MHz																			
	N71_NSA	20M	BPSK	1	53	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.2	1.256	-0.1	0.072	0.090	
	N71_NSA	20M	BPSK	1	53	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.2	1.256	-0.08	0.042	0.053	
	N71_NSA	20M	BPSK	1	53	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.2	1.256	0.06	0.096	0.121	
	N71_NSA	20M	BPSK	1	53	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.21	25.2	1.256	-0.11	0.033	0.041	
	N71_NSA	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.2	25.2	1.259	0.01	0.069	0.087	
	N71_NSA	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.2	25.2	1.259	0.07	0.039	0.049	
	N71_NSA	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	136100	680.5	24.2	25.2	1.259	0.01	0.090	0.113	
	N71_NSA	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	136100	680.5	24.2	25.2	1.259	-0.1	0.031	0.039	
	N71_NSA	20M	BPSK	1	53	DFT-15	Right Cheek	0mm	Ant 1	DSI5	136100	680.5	18.94	20.2	1.337	0.06	0.269	0.360	
	N71_NSA	20M	BPSK	1	53	DFT-15	Right Tilted	0mm	Ant 1	DSI5	136100	680.5	18.94	20.2	1.337	-0.11	0.258	0.345	
	N71_NSA	20M	BPSK	1	53	DFT-15	Left Cheek	0mm	Ant 1	DSI5	136100	680.5	18.94	20.2	1.337	-0.06	0.239	0.319	
	N71_NSA	20M	BPSK	1	53	DFT-15	Left Tilted	0mm	Ant 1	DSI5	136100	680.5	18.94	20.2	1.337	-0.15	0.258	0.345	
	N71_NSA	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI5	136100	680.5	18.93	20.2	1.340	-0.03	0.254	0.340	
	N71_NSA	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI5	136100	680.5	18.93	20.2	1.340	-0.02	0.243	0.326	
	N71_NSA	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI5	136100	680.5	18.93	20.2	1.340	-0.04	0.226	0.303	
	N71_NSA	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI5	136100	680.5	18.93	20.2	1.340	-0.16	0.255	0.342	



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N71_NSA	20M	BPSK	1	53	DFT-15	Right Cheek	0mm	Ant 1	DSI10	136100	680.5	17.41	18.7	1.346	-0.1	0.190	0.256
N71_NSA	20M	BPSK	1	53	DFT-15	Right Tilted	0mm	Ant 1	DSI10	136100	680.5	17.41	18.7	1.346	-0.03	0.183	0.246
N71_NSA	20M	BPSK	1	53	DFT-15	Left Cheek	0mm	Ant 1	DSI10	136100	680.5	17.41	18.7	1.346	-0.14	0.169	0.227
N71_NSA	20M	BPSK	1	53	DFT-15	Left Tilted	0mm	Ant 1	DSI10	136100	680.5	17.41	18.7	1.346	0.02	0.183	0.246
N71_NSA	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI10	136100	680.5	17.38	18.7	1.355	0.05	0.180	0.244
N71_NSA	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI10	136100	680.5	17.38	18.7	1.355	0	0.172	0.233
N71_NSA	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI10	136100	680.5	17.38	18.7	1.355	0.02	0.160	0.217
N71_NSA	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI10	136100	680.5	17.38	18.7	1.355	0.04	0.181	0.245

1750MHz

N66_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.77	24.7	1.239	0.11	0.072	0.089
N66_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.77	24.7	1.239	-0.02	0.043	0.053
N66_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.77	24.7	1.239	0.13	0.096	0.119
N66_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.77	24.7	1.239	-0.04	0.021	0.026
N66_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.71	24.7	1.256	-0.15	0.071	0.089
N66_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.71	24.7	1.256	0.11	0.041	0.051
N66_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	349000	1745	23.71	24.7	1.256	-0.11	0.094	0.118
N66_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	349000	1745	23.71	24.7	1.256	0.08	0.018	0.023
N66_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI5	349000	1745	15.25	16.2	1.245	-0.07	0.176	0.219
N66_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	15.25	16.2	1.245	0	0.191	0.238
N66_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI5	349000	1745	15.25	16.2	1.245	-0.02	0.141	0.175
N66_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI5	349000	1745	15.25	16.2	1.245	-0.13	0.171	0.213
N66_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI5	349000	1745	15.2	16.2	1.259	0.13	0.199	0.251
N66_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	15.2	16.2	1.259	-0.05	0.203	0.256
N66_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI5	349000	1745	15.2	16.2	1.259	0.15	0.145	0.183
N66_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI5	349000	1745	15.2	16.2	1.259	-0.01	0.183	0.230
N66_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI10	349000	1745	13.74	14.7	1.247	-0.06	0.125	0.156
N66_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI10	349000	1745	13.74	14.7	1.247	0.16	0.135	0.168
N66_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI10	349000	1745	13.74	14.7	1.247	-0.03	0.100	0.125
N66_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI10	349000	1745	13.74	14.7	1.247	-0.16	0.121	0.151
N66_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI10	349000	1745	13.68	14.7	1.265	-0.03	0.141	0.178
N66_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI10	349000	1745	13.68	14.7	1.265	0.11	0.144	0.182
N66_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI10	349000	1745	13.68	14.7	1.265	0.11	0.103	0.130
N66_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI10	349000	1745	13.68	14.7	1.265	-0.08	0.130	0.164
N66_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 4	DSI5/10	349000	1745	23.77	24.7	1.239	0.08	0.013	0.016
N66_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 4	DSI5/10	349000	1745	23.77	24.7	1.239	-0.05	0.005	0.006
N66_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 4	DSI5/10	349000	1745	23.77	24.7	1.239	-0.05	0.010	0.012
N66_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 4	DSI5/10	349000	1745	23.77	24.7	1.239	0	0.003	0.004
N66_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI5/10	349000	1745	23.54	24.7	1.306	-0.02	0.012	0.016
N66_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI5/10	349000	1745	23.54	24.7	1.306	0.14	0.004	0.005
N66_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI5/10	349000	1745	23.54	24.7	1.306	0.09	0.008	0.010
N66_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI5/10	349000	1745	23.54	24.7	1.306	0	0.002	0.003

1900MHz

N25_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	23.77	24.7	1.239	0.1	0.062	0.077
N25_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	23.77	24.7	1.239	-0.14	0.064	0.079
N25_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	23.77	24.7	1.239	-0.05	0.097	0.120
N25_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	23.77	24.7	1.239	0.02	0.083	0.103
N25_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	23.74	24.7	1.247	0.04	0.059	0.074
N25_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	23.74	24.7	1.247	-0.04	0.062	0.077
N25_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI5/10	376500	1882.5	23.74	24.7	1.247	-0.08	0.094	0.117
N25_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI5/10	376500	1882.5	23.74	24.7	1.247	0.03	0.079	0.099
N25_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI5	376500	1882.5	13.62	14.7	1.282	0.08	0.326	0.418
N25_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	13.62	14.7	1.282	-0.06	0.476	0.610
N25_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI5	376500	1882.5	13.62	14.7	1.282	0.09	0.241	0.309
N25_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI5	376500	1882.5	13.62	14.7	1.282	0.12	0.281	0.360
N25_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI5	376500	1882.5	13.6	14.7	1.288	0.02	0.330	0.425
N25_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	13.6	14.7	1.288	-0.06	0.503	0.648



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N25_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI5	376500	1882.5	13.6	14.7	1.288	-0.09	0.251	0.323
N25_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI5	376500	1882.5	13.6	14.7	1.288	-0.02	0.296	0.381
N25_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 1	DSI10	376500	1882.5	12.21	13.2	1.256	0.16	0.231	0.290
N25_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 1	DSI10	376500	1882.5	12.21	13.2	1.256	0.12	0.337	0.423
N25_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 1	DSI10	376500	1882.5	12.21	13.2	1.256	0.06	0.171	0.215
N25_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 1	DSI10	376500	1882.5	12.21	13.2	1.256	-0.05	0.199	0.250
N25_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI10	376500	1882.5	12.12	13.2	1.282	0.08	0.234	0.300
N25_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI10	376500	1882.5	12.12	13.2	1.282	-0.02	0.356	0.457
N25_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI10	376500	1882.5	12.12	13.2	1.282	0.14	0.178	0.228
N25_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI10	376500	1882.5	12.12	13.2	1.282	-0.15	0.210	0.269
N25_NSA	40M	BPSK	1	108	DFT-15	Right Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	22.3	22.7	1.096	-0.14	0.300	0.329
N25_NSA	40M	BPSK	1	108	DFT-15	Right Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	22.3	22.7	1.096	-0.08	0.108	0.118
N25_NSA	40M	BPSK	1	108	DFT-15	Left Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	22.3	22.7	1.096	-0.12	0.166	0.182
N25_NSA	40M	BPSK	1	108	DFT-15	Left Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	22.3	22.7	1.096	0.16	0.112	0.123
N25_NSA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	22.04	22.7	1.164	0.03	0.304	0.354
N25_NSA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	22.04	22.7	1.164	0.02	0.110	0.128
N25_NSA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI5/10	376500	1882.5	22.04	22.7	1.164	-0.02	0.168	0.196
N25_NSA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI5/10	376500	1882.5	22.04	22.7	1.164	-0.02	0.116	0.135

2600MHZ

N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.45	26.4	1.245	0	0.483	0.601
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.45	26.4	1.245	-0.02	0.183	0.228
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.45	26.4	1.245	0.01	0.246	0.306
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.45	26.4	1.245	-0.15	0.151	0.188
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.42	26.4	1.253	0.15	0.474	0.594
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.42	26.4	1.253	-0.03	0.180	0.226
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	25.42	26.4	1.253	-0.11	0.231	0.289
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 0	DSI5/10	518598	2592.99	25.42	26.4	1.253	0.15	0.147	0.184
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 0	DSI5/10	518598	2592.99	24.93	25.9	1.250	0.01	0.433	0.541
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	14.64	15.4	1.191	-0.14	0.438	0.522
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	14.64	15.4	1.191	-0.08	0.518	0.617
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI5	518598	2592.99	14.64	15.4	1.191	-0.11	0.121	0.144
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI5	518598	2592.99	14.64	15.4	1.191	-0.1	0.096	0.114
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI5	518598	2592.99	14.58	15.4	1.208	-0.08	0.402	0.486
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	14.58	15.4	1.208	0.15	0.476	0.575
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI5	518598	2592.99	14.58	15.4	1.208	0	0.108	0.130
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI5	518598	2592.99	14.58	15.4	1.208	0.06	0.092	0.111
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 1	DSI5	518598	2592.99	13.95	15.4	1.396	-0.14	0.388	0.542
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI10	518598	2592.99	13.2	13.9	1.175	0.07	0.310	0.364
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI10	518598	2592.99	13.2	13.9	1.175	0.08	0.367	0.431
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	13.2	13.9	1.175	0.06	0.086	0.101
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	13.2	13.9	1.175	-0.01	0.068	0.080
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI10	518598	2592.99	13.07	13.9	1.211	-0.05	0.285	0.345
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI10	518598	2592.99	13.07	13.9	1.211	-0.02	0.337	0.408
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI10	518598	2592.99	13.07	13.9	1.211	0.12	0.076	0.092
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI10	518598	2592.99	13.07	13.9	1.211	0.06	0.065	0.079
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI5	518598	2592.99	19.4	20.2	1.202	0.15	0.590	0.709
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI5	518598	2592.99	19.4	20.2	1.202	0.16	0.238	0.286
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI5	518598	2592.99	19.4	20.2	1.202	0.09	0.273	0.328
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI5	518598	2592.99	19.4	20.2	1.202	-0.15	0.167	0.201
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI5	518598	2592.99	19.35	20.2	1.216	-0.14	0.562	0.683
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI5	518598	2592.99	19.35	20.2	1.216	-0.11	0.232	0.282
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI5	518598	2592.99	19.35	20.2	1.216	-0.13	0.271	0.330
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI5	518598	2592.99	19.35	20.2	1.216	0	0.156	0.190
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI5	518598	2592.99	19.1	20.2	1.288	0.02	0.505	0.651
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI10	518598	2592.99	18.4	19.2	1.202	-0.11	0.437	0.525
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI10	518598	2592.99	18.4	19.2	1.202	-0.02	0.206	0.248



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N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI10	518598	2592.99	18.4	19.2	1.202	-0.03	0.205	0.246
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI10	518598	2592.99	18.4	19.2	1.202	0.14	0.131	0.157
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI10	518598	2592.99	18.35	19.2	1.216	0.11	0.399	0.485
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI10	518598	2592.99	18.35	19.2	1.216	0.11	0.181	0.220
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI10	518598	2592.99	18.35	19.2	1.216	-0.13	0.181	0.220
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI10	518598	2592.99	18.35	19.2	1.216	-0.09	0.129	0.157



17.2 Hotspot SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																		
	LTE Band 71	20M	QPSK	1	49	-	Front	10mm	Ant 0	DSI18	133297	680.5	24.30	24.80	1.122	-0.03	0.096	0.107
	LTE Band 71	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	133297	680.5	24.30	24.80	1.122	-0.05	0.167	0.187
	LTE Band 71	20M	QPSK	1	49	-	Left Side	10mm	Ant 0	DSI18	133297	680.5	24.30	24.80	1.122	0.1	0.161	0.181
	LTE Band 71	20M	QPSK	1	49	-	Right Side	10mm	Ant 0	DSI18	133297	680.5	24.30	24.80	1.122	0.16	0.072	0.081
	LTE Band 71	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	133297	680.5	24.30	24.80	1.122	0.15	0.098	0.110
	LTE Band 71	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI18	133297	680.5	23.31	23.80	1.119	0.04	0.073	0.082
	LTE Band 71	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI18	133297	680.5	23.31	23.80	1.119	0.12	0.143	0.160
	LTE Band 71	20M	QPSK	50	0	-	Left Side	10mm	Ant 0	DSI18	133297	680.5	23.31	23.80	1.119	-0.01	0.127	0.142
	LTE Band 71	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI18	133297	680.5	23.31	23.80	1.119	-0.12	0.054	0.060
	LTE Band 71	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	133297	680.5	23.31	23.80	1.119	-0.01	0.078	0.087
	LTE Band 71	20M	QPSK	1	49	-	Front	10mm	Ant 1	DSI18	133297	680.5	24.24	24.80	1.138	0.13	0.173	0.197
26	LTE Band 71	20M	QPSK	1	49	-	Back	10mm	Ant 1	DSI18	133297	680.5	24.24	24.80	1.138	-0.02	0.342	0.389
	LTE Band 71	20M	QPSK	1	49	-	Left Side	10mm	Ant 1	DSI18	133297	680.5	24.24	24.80	1.138	-0.05	0.301	0.342
	LTE Band 71	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	133297	680.5	24.24	24.80	1.138	0.07	0.132	0.150
	LTE Band 71	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI18	133297	680.5	23.25	23.80	1.135	0.13	0.144	0.163
	LTE Band 71	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI18	133297	680.5	23.25	23.80	1.135	-0.14	0.272	0.309
	LTE Band 71	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI18	133297	680.5	23.25	23.80	1.135	-0.03	0.245	0.278
	LTE Band 71	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	133297	680.5	23.25	23.80	1.135	0.09	0.105	0.119
	LTE Band 12	10M	QPSK	1	25	-	Front	10mm	Ant 0	DSI18	23095	707.5	23.91	24.8	1.227	-0.01	0.132	0.162
	LTE Band 12	10M	QPSK	1	25	-	Back	10mm	Ant 0	DSI18	23095	707.5	23.91	24.8	1.227	-0.1	0.229	0.281
	LTE Band 12	10M	QPSK	1	25	-	Left Side	10mm	Ant 0	DSI18	23095	707.5	23.91	24.8	1.227	0.14	0.219	0.269
	LTE Band 12	10M	QPSK	1	25	-	Right Side	10mm	Ant 0	DSI18	23095	707.5	23.91	24.8	1.227	-0.12	0.141	0.173
	LTE Band 12	10M	QPSK	1	25	-	Bottom Side	10mm	Ant 0	DSI18	23095	707.5	23.91	24.8	1.227	-0.06	0.150	0.184
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI18	23095	707.5	22.92	23.80	1.225	0.08	0.102	0.125
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI18	23095	707.5	22.92	23.80	1.225	0.03	0.191	0.234
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	DSI18	23095	707.5	22.92	23.80	1.225	-0.12	0.159	0.195
	LTE Band 12	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI18	23095	707.5	22.92	23.80	1.225	0.11	0.110	0.135
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI18	23095	707.5	22.92	23.80	1.225	-0.03	0.114	0.140
	LTE Band 12	10M	QPSK	1	25	-	Front	10mm	Ant 1	DSI18	23095	707.5	23.91	24.80	1.227	-0.09	0.192	0.236
27	LTE Band 12	10M	QPSK	1	25	-	Back	10mm	Ant 1	DSI18	23095	707.5	23.91	24.80	1.227	-0.06	0.238	0.292
	LTE Band 12	10M	QPSK	1	25	-	Left Side	10mm	Ant 1	DSI18	23095	707.5	23.91	24.80	1.227	-0.11	0.175	0.215
	LTE Band 12	10M	QPSK	1	25	-	Top Side	10mm	Ant 1	DSI18	23095	707.5	23.91	24.80	1.227	-0.15	0.160	0.196
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI18	23095	707.5	22.75	23.80	1.274	0.13	0.153	0.195
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI18	23095	707.5	22.75	23.80	1.274	0.01	0.189	0.241
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI18	23095	707.5	22.75	23.80	1.274	-0.03	0.139	0.177
	LTE Band 12	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI18	23095	707.5	22.75	23.80	1.274	-0.16	0.127	0.162
	LTE Band 13	10M	QPSK	1	25	-	Front	10mm	Ant 0	DSI18	23230	782	23.59	24.30	1.178	-0.11	0.109	0.128
	LTE Band 13	10M	QPSK	1	25	-	Back	10mm	Ant 0	DSI18	23230	782	23.59	24.30	1.178	0.07	0.168	0.198
	LTE Band 13	10M	QPSK	1	25	-	Left Side	10mm	Ant 0	DSI18	23230	782	23.59	24.30	1.178	0.01	0.187	0.220
	LTE Band 13	10M	QPSK	1	25	-	Right Side	10mm	Ant 0	DSI18	23230	782	23.59	24.30	1.178	-0.02	0.089	0.105
	LTE Band 13	10M	QPSK	1	25	-	Bottom Side	10mm	Ant 0	DSI18	23230	782	23.59	24.30	1.178	-0.12	0.102	0.120
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI18	23230	782	22.46	23.30	1.213	0.01	0.081	0.098
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI18	23230	782	22.46	23.30	1.213	0.1	0.129	0.157
	LTE Band 13	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	DSI18	23230	782	22.46	23.30	1.213	0.08	0.141	0.171
	LTE Band 13	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI18	23230	782	22.46	23.30	1.213	-0.04	0.068	0.083
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI18	23230	782	22.46	23.30	1.213	-0.15	0.075	0.091
	LTE Band 13	10M	QPSK	1	25	-	Front	10mm	Ant 1	DSI18	23230	782	23.41	24.30	1.227	0.04	0.150	0.184
28	LTE Band 13	10M	QPSK	1	25	-	Back	10mm	Ant 1	DSI18	23230	782	23.41	24.30	1.227	0.03	0.186	0.228
	LTE Band 13	10M	QPSK	1	25	-	Left Side	10mm	Ant 1	DSI18	23230	782	23.41	24.30	1.227	0.13	0.107	0.131
	LTE Band 13	10M	QPSK	1	25	-	Top Side	10mm	Ant 1	DSI18	23230	782	23.41	24.30	1.227	0.12	0.133	0.163
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI18	23230	782	22.35	23.30	1.245	0.01	0.119	0.148



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	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI18	23230	782	22.35	23.30	1.245	-0.04	0.144	0.179	
	LTE Band 13	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI18	23230	782	22.35	23.30	1.245	-0.06	0.085	0.106	
	LTE Band 13	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI18	23230	782	22.35	23.30	1.245	0.08	0.106	0.132	
835MHz																			
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 0	DSI18	189	836.4	27.56	28.30	1.186	-0.07	0.167	0.198	
29	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 0	DSI18	189	836.4	27.56	28.30	1.186	0.13	0.339	0.402	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 0	DSI18	189	836.4	27.56	28.30	1.186	0.01	0.148	0.175	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Side	10mm	Ant 0	DSI18	189	836.4	27.56	28.30	1.186	-0.13	0.104	0.123	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Bottom Side	10mm	Ant 0	DSI18	189	836.4	27.56	28.30	1.186	0.1	0.302	0.358	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 1	DSI18	189	836.4	27.14	28.30	1.306	-0.12	0.224	0.293	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 1	DSI18	189	836.4	27.14	28.30	1.306	-0.08	0.295	0.385	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 1	DSI18	189	836.4	27.14	28.30	1.306	0.05	0.144	0.188	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Top Side	10mm	Ant 1	DSI18	189	836.4	27.14	28.30	1.306	-0.12	0.219	0.286	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI18	4182	836.4	23.93	24.80	1.222	-0.05	0.148	0.181	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI18	4182	836.4	23.93	24.80	1.222	-0.06	0.329	0.402	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 0	DSI18	4182	836.4	23.93	24.80	1.222	0.03	0.165	0.202	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSI18	4182	836.4	23.93	24.80	1.222	0.01	0.112	0.137	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	4182	836.4	23.93	24.80	1.222	-0.15	0.296	0.362	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI18	4182	836.4	23.81	24.80	1.256	-0.07	0.266	0.334	
30	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI18	4182	836.4	23.81	24.80	1.256	-0.04	0.369	0.463	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI18	4182	836.4	23.81	24.80	1.256	-0.11	0.211	0.265	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI18	4182	836.4	23.81	24.80	1.256	0.14	0.284	0.357	
	LTE Band 26	15M	QPSK	1	37	-	Front	10mm	Ant 0	DSI18	26865	831.5	23.88	24.80	1.236	0.13	0.146	0.180	
	LTE Band 26	15M	QPSK	1	37	-	Back	10mm	Ant 0	DSI18	26865	831.5	23.88	24.80	1.236	0.1	0.297	0.367	
	LTE Band 26	15M	QPSK	1	37	-	Left Side	10mm	Ant 0	DSI18	26865	831.5	23.88	24.80	1.236	0.05	0.267	0.330	
	LTE Band 26	15M	QPSK	1	37	-	Right Side	10mm	Ant 0	DSI18	26865	831.5	23.88	24.80	1.236	-0.16	0.112	0.138	
	LTE Band 26	15M	QPSK	1	37	-	Bottom Side	10mm	Ant 0	DSI18	26865	831.5	23.88	24.80	1.236	-0.01	0.261	0.323	
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 0	DSI18	26865	831.5	22.80	23.80	1.259	-0.1	0.117	0.147	
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 0	DSI18	26865	831.5	22.80	23.80	1.259	-0.1	0.239	0.301	
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 0	DSI18	26865	831.5	22.80	23.80	1.259	-0.09	0.211	0.266	
	LTE Band 26	15M	QPSK	36	0	-	Right Side	10mm	Ant 0	DSI18	26865	831.5	22.80	23.80	1.259	-0.02	0.087	0.110	
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 0	DSI18	26865	831.5	22.80	23.80	1.259	-0.1	0.204	0.257	
	LTE Band 26	15M	QPSK	1	37	-	Front	10mm	Ant 1	DSI18	26865	831.5	23.83	24.80	1.250	0.03	0.280	0.350	
31	LTE Band 26	15M	QPSK	1	37	-	Back	10mm	Ant 1	DSI18	26865	831.5	23.83	24.80	1.250	-0.1	0.400	0.500	
	LTE Band 26	15M	QPSK	1	37	-	Left Side	10mm	Ant 1	DSI18	26865	831.5	23.83	24.80	1.250	-0.16	0.227	0.284	
	LTE Band 26	15M	QPSK	1	37	-	Top Side	10mm	Ant 1	DSI18	26865	831.5	23.83	24.80	1.250	0.03	0.276	0.345	
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 1	DSI18	26865	831.5	22.90	23.80	1.230	-0.13	0.184	0.226	
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 1	DSI18	26865	831.5	22.90	23.80	1.230	0.08	0.261	0.321	
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 1	DSI18	26865	831.5	22.90	23.80	1.230	-0.12	0.111	0.137	
	LTE Band 26	15M	QPSK	36	0	-	Top Side	10mm	Ant 1	DSI18	26865	831.5	22.90	23.80	1.230	-0.06	0.176	0.217	
1750MHz																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI18	1413	1732.6	20.73	21.60	1.222	0.11	0.313	0.382	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI18	1413	1732.6	20.73	21.60	1.222	-0.08	0.490	0.599	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 0	DSI18	1413	1732.6	20.73	21.60	1.222	0.06	0.068	0.083	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSI18	1413	1732.6	20.73	21.60	1.222	-0.15	0.114	0.139	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	1413	1732.6	20.73	21.60	1.222	0.09	0.755	0.922	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	1312	1712.4	20.72	21.60	1.225	0.08	0.699	0.856	
32	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	1513	1752.6	20.69	21.60	1.233	0.13	0.822	1.014	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI18	1413	1732.6	19.50	20.60	1.288	-0.1	0.268	0.345	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI18	1413	1732.6	19.50	20.60	1.288	-0.02	0.371	0.478	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI18	1413	1732.6	19.50	20.60	1.288	-0.06	0.101	0.130	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI18	1413	1732.6	19.50	20.60	1.288	-0.13	0.589	0.758	
	LTE Band 66	20M	QPSK	1	49	-	Front	10mm	Ant 0	DSI18	132322	1745	20.10	20.80	1.175	-0.15	0.248	0.291	
	LTE Band 66	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	132322	1745	20.10	20.80	1.175	-0.04	0.424	0.498	
	LTE Band 66	20M	QPSK	1	49	-	Left Side	10mm	Ant 0	DSI18	132322	1745	20.10	20.80	1.175	0.08	0.122	0.143	
	LTE Band 66	20M	QPSK	1	49	-	Right Side	10mm	Ant 0	DSI18	132322	1745	20.10	20.80	1.175	-0.03	0.093	0.109	



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	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	132322	1745	20.10	20.80	1.175	-0.02	0.612	0.719
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI18	132322	1745	20.05	20.80	1.189	0.03	0.246	0.292
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI18	132322	1745	20.05	20.80	1.189	0.03	0.421	0.500
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 0	DSI18	132322	1745	20.05	20.80	1.189	-0.07	0.120	0.143
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI18	132322	1745	20.05	20.80	1.189	0.03	0.091	0.108
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	132322	1745	20.05	20.80	1.189	0.06	0.606	0.720
	LTE Band 66	20M	QPSK	1	49	-	Front	10mm	Ant 1	DSI18	132322	1745	19.92	20.80	1.225	-0.09	0.297	0.364
	LTE Band 66	20M	QPSK	1	49	-	Back	10mm	Ant 1	DSI18	132322	1745	19.92	20.80	1.225	0.05	0.439	0.538
	LTE Band 66	20M	QPSK	1	49	-	Left Side	10mm	Ant 1	DSI18	132322	1745	19.92	20.80	1.225	-0.13	0.091	0.111
33	LTE Band 66	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	132322	1745	19.92	20.80	1.225	0.11	0.738	0.904
	LTE Band 66	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	132072	1720	19.72	20.80	1.282	0.02	0.703	0.901
	LTE Band 66	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	132572	1770	19.73	20.80	1.279	0.03	0.701	0.897
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI18	132322	1745	19.80	20.80	1.259	-0.07	0.267	0.336
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI18	132322	1745	19.80	20.80	1.259	0.12	0.406	0.511
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI18	132322	1745	19.80	20.80	1.259	-0.02	0.085	0.107
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	132322	1745	19.80	20.80	1.259	0.14	0.688	0.866
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	132072	1720	19.67	20.80	1.297	-0.05	0.656	0.851
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	132572	1770	19.65	20.80	1.303	0.03	0.630	0.821
	LTE Band 66	20M	QPSK	100	0	-	Top Side	10mm	Ant 1	DSI18	132322	1745	19.74	20.80	1.276	0.05	0.700	0.894
1900MHz																		
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 0	DSI18	661	1880	24.68	25.30	1.153	0.13	0.287	0.331
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 0	DSI18	661	1880	24.68	25.30	1.153	0.01	0.537	0.619
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 0	DSI18	661	1880	24.68	25.30	1.153	0.15	0.063	0.073
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Side	10mm	Ant 0	DSI18	661	1880	24.68	25.30	1.153	0.11	0.127	0.146
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Bottom Side	10mm	Ant 0	DSI18	661	1880	24.68	25.30	1.153	-0.12	0.810	0.934
34	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Bottom Side	10mm	Ant 0	DSI18	512	1850.2	24.62	25.30	1.169	-0.1	0.822	0.961
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Bottom Side	10mm	Ant 0	DSI18	810	1909.8	24.67	25.30	1.156	-0.11	0.797	0.921
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 1	DSI18	661	1880	21.59	22.30	1.178	-0.14	0.292	0.344
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 1	DSI18	661	1880	21.59	22.30	1.178	0.07	0.414	0.488
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 1	DSI18	661	1880	21.59	22.30	1.178	-0.07	0.060	0.071
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Top Side	10mm	Ant 1	DSI18	661	1880	21.59	22.30	1.178	-0.08	0.604	0.711
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI18	9400	1880	21.20	22.10	1.230	-0.05	0.275	0.338
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI18	9400	1880	21.20	22.10	1.230	-0.13	0.530	0.652
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 0	DSI18	9400	1880	21.20	22.10	1.230	-0.06	0.075	0.092
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSI18	9400	1880	21.20	22.10	1.230	-0.1	0.122	0.150
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	9400	1880	21.20	22.10	1.230	0.04	0.801	0.985
35	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	9262	1852.4	21.11	22.10	1.256	-0.05	0.849	1.066
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI18	9538	1907.6	21.16	22.10	1.242	-0.03	0.821	1.019
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI18	9400	1880	19.61	20.60	1.256	0.11	0.400	0.502
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI18	9400	1880	19.61	20.60	1.256	0.04	0.550	0.691
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI18	9400	1880	19.61	20.60	1.256	-0.07	0.144	0.181
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI18	9400	1880	19.61	20.60	1.256	-0.05	0.767	0.963
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI18	9262	1852.4	19.58	20.60	1.265	0.11	0.783	0.990
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI18	9538	1907.6	19.56	20.60	1.271	0.07	0.758	0.963
	LTE Band 25	20M	QPSK	1	49	-	Front	10mm	Ant 0	DSI18	26340	1880	21.10	21.80	1.175	-0.02	0.241	0.283
	LTE Band 25	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	26340	1880	21.10	21.80	1.175	-0.11	0.456	0.536
	LTE Band 25	20M	QPSK	1	49	-	Left Side	10mm	Ant 0	DSI18	26340	1880	21.10	21.80	1.175	-0.04	0.095	0.112
	LTE Band 25	20M	QPSK	1	49	-	Right Side	10mm	Ant 0	DSI18	26340	1880	21.10	21.80	1.175	0.07	0.123	0.145
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	26340	1880	21.10	21.80	1.175	-0.06	0.702	0.825
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	26140	1860	20.92	21.80	1.225	0.15	0.715	0.876
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	26590	1905	20.88	21.80	1.236	0.12	0.752	0.929
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI18	26340	1880	21.05	21.80	1.189	-0.07	0.260	0.309
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI18	26340	1880	21.05	21.80	1.189	0.03	0.500	0.594
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 0	DSI18	26340	1880	21.05	21.80	1.189	-0.11	0.128	0.152
	LTE Band 25	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI18	26340	1880	21.05	21.80	1.189	0.04	0.139	0.165
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	26340	1880	21.05	21.80	1.189	-0.1	0.712	0.846



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36	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	26140	1860	21.01	21.80	1.199	-0.04	0.805	0.966
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	26590	1905	20.86	21.80	1.242	-0.04	0.769	0.955
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 0	DSI18	26340	1880	20.95	21.80	1.216	-0.01	0.700	0.851
	LTE Band 25	20M	QPSK	1	49	-	Front	10mm	Ant 1	DSI18	26340	1880	19.51	20.30	1.199	-0.02	0.376	0.451
	LTE Band 25	20M	QPSK	1	49	-	Back	10mm	Ant 1	DSI18	26340	1880	19.51	20.30	1.199	-0.05	0.527	0.632
	LTE Band 25	20M	QPSK	1	49	-	Left Side	10mm	Ant 1	DSI18	26340	1880	19.51	20.30	1.199	0.05	0.057	0.068
	LTE Band 25	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	26340	1880	19.51	20.30	1.199	-0.11	0.748	0.897
	LTE Band 25	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	26140	1860	19.47	20.30	1.211	-0.04	0.708	0.857
	LTE Band 25	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	26590	1905	19.36	20.30	1.242	0.05	0.709	0.880
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI18	26340	1880	19.50	20.30	1.202	0.08	0.246	0.296
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI18	26340	1880	19.50	20.30	1.202	-0.06	0.329	0.396
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI18	26340	1880	19.50	20.30	1.202	0.08	0.059	0.071
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	26340	1880	19.50	20.30	1.202	0.1	0.774	0.931
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	26140	1860	19.43	20.30	1.222	0.03	0.727	0.888
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	26590	1905	19.42	20.30	1.225	-0.07	0.758	0.928
	LTE Band 25	20M	QPSK	100	0	-	Top Side	10mm	Ant 1	DSI18	26340	1880	19.47	20.30	1.211	0.06	0.753	0.912
	LTE Band 25	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI18	26340	1880	22.37	23.30	1.239	0.01	0.111	0.138
	LTE Band 25	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI18	26340	1880	22.37	23.30	1.239	-0.14	0.431	0.534
	LTE Band 25	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI18	26340	1880	22.37	23.30	1.239	-0.16	0.229	0.284
	LTE Band 25	20M	QPSK	1	49	-	Top Side	10mm	Ant 4	DSI18	26340	1880	22.37	23.30	1.239	-0.03	0.070	0.087
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI18	26340	1880	21.36	22.30	1.242	0.08	0.081	0.101
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI18	26340	1880	21.36	22.30	1.242	-0.03	0.323	0.401
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI18	26340	1880	21.36	22.30	1.242	-0.07	0.173	0.215
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI18	26340	1880	21.36	22.30	1.242	0.06	0.048	0.060

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2600MHz																			
	LTE Band 7	20M	QPSK	1	49	Front	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-	1.000	0.16	0.622	0.674
37	LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-	1.000	-0.09	0.916	0.993
	LTE Band 7	20M	QPSK	1	49	Left Side	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-	1.000	0.12	0.046	0.050
	LTE Band 7	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-	1.000	-0.08	0.360	0.390
	LTE Band 7	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-	1.000	0.11	0.410	0.444
	LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	20850	2510	23.20	23.60	1.096	-	1.000	-0.09	0.879	0.964
	LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	21350	2560	23.24	23.60	1.086	-	1.000	0.15	0.863	0.938
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 0	DSI18	21100	2535	22.28	22.60	1.076	-	1.000	-0.05	0.492	0.530
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 0	DSI18	21100	2535	22.28	22.60	1.076	-	1.000	-0.04	0.742	0.799
	LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 0	DSI18	21100	2535	22.28	22.60	1.076	-	1.000	-0.03	0.036	0.038
	LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 0	DSI18	21100	2535	22.28	22.60	1.076	-	1.000	-0.16	0.288	0.310
	LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 0	DSI18	21100	2535	22.28	22.60	1.076	-	1.000	-0.07	0.335	0.361
	LTE Band 7	20M	QPSK	100	0	Back	10mm	Ant 0	DSI18	21100	2535	22.21	22.60	1.094	-	1.000	0.09	0.728	0.796
	LTE Band 7	20M	QPSK	1	49	Front	10mm	Ant 1	DSI18	21100	2535	20.43	20.60	1.040	-	1.000	0.06	0.239	0.249
	LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 1	DSI18	21100	2535	20.43	20.60	1.040	-	1.000	-0.07	0.380	0.395
	LTE Band 7	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI18	21100	2535	20.43	20.60	1.040	-	1.000	-0.08	0.349	0.363
	LTE Band 7	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	21100	2535	20.43	20.60	1.040	-	1.000	-0.15	0.702	0.730
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 1	DSI18	21100	2535	20.32	20.60	1.067	-	1.000	-0.03	0.229	0.244
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 1	DSI18	21100	2535	20.32	20.60	1.067	-	1.000	-0.01	0.377	0.402
	LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 1	DSI18	21100	2535	20.32	20.60	1.067	-	1.000	-0.14	0.347	0.370
	LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	21100	2535	20.32	20.60	1.067	-	1.000	0.16	0.695	0.741
	LTE Band 38	20M	QPSK	1	49	Front	10mm	Ant 0	DSI18	38000	2595	23.35	23.80	1.109	62.9	1.006	-0.09	0.250	0.279
	LTE Band 38	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	38000	2595	23.35	23.80	1.109	62.9	1.006	0.11	0.329	0.367
	LTE Band 38	20M	QPSK	1	49	Left Side	10mm	Ant 0	DSI18	38000	2595	23.35	23.80	1.109	62.9	1.006	-0.04	0.032	0.036
	LTE Band 38	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI18	38000	2595	23.35	23.80	1.109	62.9	1.006	-0.06	0.189	0.211
	LTE Band 38	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI18	38000	2595	23.35	23.80	1.109	62.9	1.006	0.13	0.165	0.184
	LTE Band 38	20M	QPSK	50	0	Front	10mm	Ant 0	DSI18	38000	2595	22.27	22.80	1.130	62.9	1.006	-0.03	0.209	0.238



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	LTE Band 38	20M	QPSK	50	0	Back	10mm	Ant 0	DSI18	38000	2595	22.27	22.80	1.130	62.9	1.006	0.05	0.265	0.301
	LTE Band 38	20M	QPSK	50	0	Left Side	10mm	Ant 0	DSI18	38000	2595	22.27	22.80	1.130	62.9	1.006	-0.08	0.023	0.026
	LTE Band 38	20M	QPSK	50	0	Right Side	10mm	Ant 0	DSI18	38000	2595	22.27	22.80	1.130	62.9	1.006	0.16	0.135	0.153
	LTE Band 38	20M	QPSK	50	0	Bottom Side	10mm	Ant 0	DSI18	38000	2595	22.27	22.80	1.130	62.9	1.006	-0.11	0.127	0.144
	LTE Band 38	20M	QPSK	1	49	Front	10mm	Ant 1	DSI18	38000	2595	23.50	23.80	1.072	62.9	1.006	0.1	0.385	0.415
38	LTE Band 38	20M	QPSK	1	49	Back	10mm	Ant 1	DSI18	38000	2595	23.50	23.80	1.072	62.9	1.006	-0.12	0.544	0.586
	LTE Band 38	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI18	38000	2595	23.50	23.80	1.072	62.9	1.006	-0.14	0.467	0.503
	LTE Band 38	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	38000	2595	23.50	23.80	1.072	62.9	1.006	-0.08	0.448	0.483
	LTE Band 38	20M	QPSK	50	0	Front	10mm	Ant 1	DSI18	38000	2595	22.50	22.80	1.072	62.9	1.006	-0.08	0.295	0.318
	LTE Band 38	20M	QPSK	50	0	Back	10mm	Ant 1	DSI18	38000	2595	22.50	22.80	1.072	62.9	1.006	-0.07	0.409	0.441
	LTE Band 38	20M	QPSK	50	0	Left Side	10mm	Ant 1	DSI18	38000	2595	22.50	22.80	1.072	62.9	1.006	-0.16	0.329	0.355
	LTE Band 38	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	38000	2595	22.50	22.80	1.072	62.9	1.006	0.14	0.366	0.395
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 0	DSI18	40620	2593	22.59	23.80	1.321	62.9	1.006	-0.01	0.207	0.275
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	40620	2593	22.59	23.80	1.321	62.9	1.006	-0.15	0.291	0.387
	LTE Band 41C	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	40620 +40422	2593 +2573.2	22.52	23.80	1.343	62.9	1.006	0.12	0.283	0.382
	LTE Band 41	20M	QPSK	1	49	Left Side	10mm	Ant 0	DSI18	40620	2593	22.59	23.80	1.321	62.9	1.006	-0.04	0.023	0.031
	LTE Band 41	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI18	40620	2593	22.59	23.80	1.321	62.9	1.006	-0.07	0.128	0.170
	LTE Band 41	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI18	40620	2593	22.59	23.80	1.321	62.9	1.006	0.02	0.114	0.152
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 0	DSI18	40620	2593	21.70	22.80	1.288	62.9	1.006	-0.08	0.175	0.227
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 0	DSI18	40620	2593	21.70	22.80	1.288	62.9	1.006	0.01	0.223	0.289
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 0	DSI18	40620	2593	21.70	22.80	1.288	62.9	1.006	-0.13	0.019	0.025
	LTE Band 41	20M	QPSK	50	0	Right Side	10mm	Ant 0	DSI18	40620	2593	21.70	22.80	1.288	62.9	1.006	0.14	0.100	0.130
	LTE Band 41	20M	QPSK	50	0	Bottom Side	10mm	Ant 0	DSI18	40620	2593	21.70	22.80	1.288	62.9	1.006	-0.13	0.093	0.121
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 1	DSI18	40620	2593	22.58	23.80	1.324	62.9	1.006	-0.12	0.307	0.409
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 1	DSI18	40620	2593	22.58	23.80	1.324	62.9	1.006	-0.08	0.438	0.584
	LTE Band 41	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI18	40620	2593	22.58	23.80	1.324	62.9	1.006	-0.06	0.365	0.486
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	40620	2593	22.58	23.80	1.324	62.9	1.006	0.05	0.607	0.809
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	39750	2506	22.44	23.80	1.368	62.9	1.006	0.13	0.704	0.969
	LTE Band 41C	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	39750 +39948	2506 +2525.8	22.29	23.80	1.416	62.9	1.006	-0.02	0.669	0.953
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	40185	2549.5	22.49	23.80	1.352	62.9	1.006	-0.05	0.570	0.775
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	41055	2636.5	22.56	23.80	1.330	62.9	1.006	-0.02	0.576	0.771
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	41490	2680	22.47	23.80	1.358	62.9	1.006	0.03	0.450	0.615
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 1	DSI18	40620	2593	21.72	22.80	1.282	62.9	1.006	-0.06	0.228	0.294
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 1	DSI18	40620	2593	21.72	22.80	1.282	62.9	1.006	-0.16	0.323	0.417
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 1	DSI18	40620	2593	21.72	22.80	1.282	62.9	1.006	0.01	0.283	0.365
	LTE Band 41	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	40620	2593	21.72	22.80	1.282	62.9	1.006	0.03	0.458	0.591
	LTE Band 41	20M	QPSK	100	0	Top Side	10mm	Ant 1	DSI18	40620	2593	21.64	22.80	1.306	62.9	1.006	0.06	0.444	0.583
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 4	DSI18	40620	2593	19.79	20.30	1.125	62.9	1.006	0.16	0.082	0.093
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 4	DSI18	40620	2593	19.79	20.30	1.125	62.9	1.006	-0.05	0.313	0.354
	LTE Band 41	20M	QPSK	1	49	Left Side	10mm	Ant 4	DSI18	40620	2593	19.79	20.30	1.125	62.9	1.006	-0.14	0.184	0.208
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 4	DSI18	40620	2593	19.79	20.30	1.125	62.9	1.006	-0.04	0.081	0.092
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 4	DSI18	40620	2593	18.99	19.30	1.074	62.9	1.006	-0.16	0.073	0.079
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 4	DSI18	40620	2593	18.99	19.30	1.074	62.9	1.006	0.05	0.222	0.240
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSI18	40620	2593	18.99	19.30	1.074	62.9	1.006	0.07	0.146	0.158
	LTE Band 41	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSI18	40620	2593	18.99	19.30	1.074	62.9	1.006	0.08	0.046	0.050
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Front	10mm	Ant 0	DSI18	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.06	0.275	0.310
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Back	10mm	Ant 0	DSI18	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.1	0.363	0.409
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Side	10mm	Ant 0	DSI18	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.11	0.036	0.041
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI18	40620	2593	25.52	26.00	1.117	42.9	1.009	0.11	0.179	0.202
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI18	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.09	0.167	0.188
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Front	10mm	Ant 0	DSI18	40620	2593	24.61	25.00	1.094	42.9	1.009	0.08	0.200	0.221
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Back	10mm	Ant 0	DSI18	40620	2593	24.61	25.00	1.094	42.9	1.009	-0.14	0.274	0.302
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Side	10mm	Ant 0	DSI18	40620	2593	24.61	25.00	1.094	42.9	1.009	-0.12	0.027	0.030
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Right Side	10mm	Ant 0	DSI18	40620	2593	24.61	25.00	1.094	42.9	1.009	0.07	0.151	0.167
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Bottom Side	10mm	Ant 0	DSI18	40620	2593	24.61	25.00	1.094	42.9	1.009	-0.1	0.133	0.147



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	LTE Band 41 (HPUE)	20M	QPSK	1	49	Front	10mm	Ant 1	DSI18	40620	2593	25.50	26.00	1.122	42.9	1.009	-0.08	0.394	0.446
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Back	10mm	Ant 1	DSI18	40620	2593	25.50	26.00	1.122	42.9	1.009	0.13	0.520	0.589
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI18	40620	2593	25.50	26.00	1.122	42.9	1.009	0.11	0.454	0.514
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	40620	2593	25.50	26.00	1.122	42.9	1.009	0.08	0.737	0.834
39	LTE Band 41 (HPUE)	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	39750	2506	25.41	26.00	1.146	42.9	1.009	0.13	0.847	0.979
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	40185	2549.5	25.46	26.00	1.132	42.9	1.009	-0.05	0.718	0.820
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	41055	2636.5	25.41	26.00	1.146	42.9	1.009	-0.02	0.725	0.838
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Top Side	10mm	Ant 1	DSI18	41490	2680	25.36	26.00	1.159	42.9	1.009	0.03	0.567	0.663
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Front	10mm	Ant 1	DSI18	40620	2593	24.55	25.00	1.109	42.9	1.009	-0.16	0.327	0.366
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Back	10mm	Ant 1	DSI18	40620	2593	24.55	25.00	1.109	42.9	1.009	0.01	0.422	0.472
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Side	10mm	Ant 1	DSI18	40620	2593	24.55	25.00	1.109	42.9	1.009	0.11	0.369	0.413
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	40620	2593	24.55	25.00	1.109	42.9	1.009	-0.16	0.636	0.712
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	39750	2506	24.48	25.00	1.127	42.9	1.009	0.08	0.605	0.688
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	40185	2549.5	24.50	25.00	1.122	42.9	1.009	0.13	0.591	0.669
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	41055	2636.5	24.51	25.00	1.119	42.9	1.009	0.14	0.570	0.644
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI18	41490	2680	24.51	25.00	1.119	42.9	1.009	0.16	0.515	0.582
	LTE Band 41 (HPUE)	20M	QPSK	100	0	Top Side	10mm	Ant 1	DSI18	40620	2593	24.52	25.00	1.117	42.9	1.009	-0.08	0.626	0.705
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Front	10mm	Ant 4	DSI18	40620	2593	22.74	23.30	1.138	42.9	1.009	0.08	0.110	0.126
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Back	10mm	Ant 4	DSI18	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.15	0.423	0.486
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Left Side	10mm	Ant 4	DSI18	40620	2593	22.74	23.30	1.138	42.9	1.009	0.04	0.248	0.285
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Top Side	10mm	Ant 4	DSI18	40620	2593	22.74	23.30	1.138	42.9	1.009	0.01	0.092	0.106
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Front	10mm	Ant 4	DSI18	40620	2593	21.84	22.30	1.112	42.9	1.009	0.1	0.086	0.096
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Back	10mm	Ant 4	DSI18	40620	2593	21.84	22.30	1.112	42.9	1.009	0.04	0.283	0.317
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSI18	40620	2593	21.84	22.30	1.112	42.9	1.009	0.03	0.198	0.222
	LTE Band 41 (HPUE)	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSI18	40620	2593	21.84	22.30	1.112	42.9	1.009	0.1	0.070	0.079

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	1g SAR (W/kg)	Reported 1g SAR (W/kg)	
750MHz																			
	N71	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	0.06	0.126	0.158	
	N71	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	0.06	0.171	0.215	
	N71	20M	BPSK	1	53	DFT-15	Left Side	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	0.12	0.165	0.207	
	N71	20M	BPSK	1	53	DFT-15	Right Side	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	-0.02	0.118	0.148	
	N71	20M	BPSK	1	53	DFT-15	Bottom Side	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	-0.12	0.089	0.112	
	N71	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.06	0.132	0.166	
	N71	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.16	0.180	0.227	
	N71	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	0.1	0.170	0.214	
	N71	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.02	0.122	0.154	
	N71	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.15	0.093	0.117	
	N71	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	-0.09	0.190	0.240	
	N71	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	0.06	0.229	0.289	
	N71	20M	BPSK	1	53	DFT-15	Left Side	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	0.02	0.264	0.333	
	N71	20M	BPSK	1	53	DFT-15	Top Side	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	0.09	0.111	0.140	
	N71	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	0.12	0.191	0.242	
	N71	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	0.07	0.236	0.298	
40	N71	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	0.1	0.275	0.348	
	N71	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	-0.15	0.114	0.144	
1750MHz																			
	N66	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 0	DSI18	349000	1745	21.50	22.20	1.175	-0.12	0.272	0.320	
	N66	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 0	DSI18	349000	1745	21.50	22.20	1.175	0.12	0.454	0.533	
	N66	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 0	DSI18	349000	1745	21.50	22.20	1.175	-0.01	0.066	0.078	
	N66	40M	BPSK	1	108	DFT-15	Right Side	10mm	Ant 0	DSI18	349000	1745	21.50	22.20	1.175	0.07	0.107	0.126	
	N66	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 0	DSI18	349000	1745	21.50	22.20	1.175	-0.02	0.702	0.825	
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI18	349000	1745	21.48	22.20	1.180	-0.01	0.285	0.336	
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI18	349000	1745	21.48	22.20	1.180	-0.14	0.461	0.544	
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 0	DSI18	349000	1745	21.48	22.20	1.180	0.13	0.068	0.080	



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	N66	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI18	349000	1745	21.48	22.20	1.180	-0.04	0.112	0.132
	N66	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI18	349000	1745	21.48	22.20	1.180	-0.16	0.753	0.889
	N66	40M	BPSK	216	0	DFT-15	Bottom Side	10mm	Ant 0	DSI18	349000	1745	21.22	22.20	1.253	0.07	0.712	0.892
	N66	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 1	DSI18	349000	1745	21.40	22.20	1.202	-0.06	0.481	0.578
	N66	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 1	DSI18	349000	1745	21.40	22.20	1.202	0.08	0.531	0.638
	N66	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 1	DSI18	349000	1745	21.40	22.20	1.202	0.14	0.156	0.156
41	N66	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 1	DSI18	349000	1745	21.40	22.20	1.202	-0.13	0.866	1.041
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI18	349000	1745	21.38	22.20	1.208	-0.12	0.448	0.541
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI18	349000	1745	21.38	22.20	1.208	0.08	0.526	0.635
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI18	349000	1745	21.38	22.20	1.208	-0.1	0.131	0.158
	N66	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI18	349000	1745	21.38	22.20	1.208	0.16	0.842	1.017
	N66	40M	BPSK	216	0	DFT-15	Top Side	10mm	Ant 1	DSI18	349000	1745	21.03	22.20	1.309	0.13	0.781	1.022

1900MHz

	N25	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 0	DSI18	376500	1882.5	21.54	22.20	1.164	-0.02	0.207	0.241
	N25	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 0	DSI18	376500	1882.5	21.54	22.20	1.164	-0.08	0.382	0.445
	N25	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 0	DSI18	376500	1882.5	21.54	22.20	1.164	-0.03	0.073	0.085
	N25	40M	BPSK	1	108	DFT-15	Right Side	10mm	Ant 0	DSI18	376500	1882.5	21.54	22.20	1.164	-0.14	0.106	0.123
	N25	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 0	DSI18	376500	1882.5	21.54	22.20	1.164	-0.01	0.575	0.669
	N25	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI18	376500	1882.5	21.53	22.20	1.167	-0.02	0.209	0.244
	N25	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI18	376500	1882.5	21.53	22.20	1.167	0.16	0.389	0.454
	N25	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 0	DSI18	376500	1882.5	21.53	22.20	1.167	0.13	0.078	0.091
	N25	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI18	376500	1882.5	21.53	22.20	1.167	0.14	0.110	0.128
	N25	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI18	376500	1882.5	21.53	22.20	1.167	0.12	0.594	0.693
	N25	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 1	DSI18	376500	1882.5	21.04	21.70	1.164	-0.14	0.431	0.502
	N25	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 1	DSI18	376500	1882.5	21.04	21.70	1.164	-0.1	0.496	0.577
	N25	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 1	DSI18	376500	1882.5	21.04	21.70	1.164	-0.13	0.082	0.095
	N25	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 1	DSI18	376500	1882.5	21.04	21.70	1.164	0.11	0.745	0.867
	N25	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI18	376500	1882.5	21.00	21.70	1.175	0.16	0.366	0.430
	N25	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI18	376500	1882.5	21.00	21.70	1.175	0.13	0.524	0.616
	N25	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI18	376500	1882.5	21.00	21.70	1.175	0.05	0.082	0.096
42	N25	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI18	376500	1882.5	21.00	21.70	1.175	0.13	0.821	0.965
	N25	40M	BPSK	216	0	DFT-15	Top Side	10mm	Ant 1	DSI18	376500	1882.5	20.90	21.70	1.202	0.06	0.797	0.958
	N25	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 4	DSI18	376500	1882.5	21.89	22.70	1.205	0.09	0.077	0.093
	N25	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 4	DSI18	376500	1882.5	21.89	22.70	1.205	-0.02	0.355	0.428
	N25	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 4	DSI18	376500	1882.5	21.89	22.70	1.205	0.14	0.196	0.236
	N25	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 4	DSI18	376500	1882.5	21.89	22.70	1.205	0.11	0.064	0.077
	N25	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI18	376500	1882.5	21.88	22.70	1.208	0.16	0.072	0.087
	N25	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI18	376500	1882.5	21.88	22.70	1.208	-0.06	0.426	0.515
	N25	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 4	DSI18	376500	1882.5	21.88	22.70	1.208	0.06	0.186	0.225
	N25	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 4	DSI18	376500	1882.5	21.88	22.70	1.208	-0.02	0.068	0.082

2600MHz

	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 0	DSI18	518598	2592.99	21.70	22.40	1.175	0.13	0.221	0.260
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	21.70	22.40	1.175	-0.09	0.486	0.571
	N41	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 0	DSI18	518598	2592.99	21.70	22.40	1.175	0.07	0.027	0.032
	N41	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 0	DSI18	518598	2592.99	21.70	22.40	1.175	-0.03	0.158	0.186
	N41	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 0	DSI18	518598	2592.99	21.70	22.40	1.175	0.06	0.145	0.170
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 0	DSI18	518598	2592.99	21.67	22.40	1.183	-0.09	0.240	0.284
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	21.67	22.40	1.183	-0.09	0.511	0.605
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 0	DSI18	518598	2592.99	21.67	22.40	1.183	0.07	0.029	0.034
	N41	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 0	DSI18	518598	2592.99	21.67	22.40	1.183	-0.14	0.162	0.192
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 0	DSI18	518598	2592.99	21.67	22.40	1.183	-0.14	0.150	0.177
	N41	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	21.48	22.40	1.236	0.03	0.440	0.544
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI18	518598	2592.99	16.18	16.90	1.180	0.12	0.143	0.169
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI18	518598	2592.99	16.18	16.90	1.180	0.15	0.183	0.216
	N41	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI18	518598	2592.99	16.18	16.90	1.180	-0.03	0.170	0.201
	N41	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 1	DSI18	518598	2592.99	16.18	16.90	1.180	-0.03	0.238	0.281



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	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI18	518598	2592.99	16.14	16.90	1.191	0.16	0.148	0.176
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI18	518598	2592.99	16.14	16.90	1.191	0.07	0.186	0.222
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI18	518598	2592.99	16.14	16.90	1.191	0.06	0.174	0.207
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 1	DSI18	518598	2592.99	16.14	16.90	1.191	-0.03	0.251	0.299
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI18	518598	2592.99	15.33	16.20	1.222	-0.02	0.098	0.120
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI18	518598	2592.99	15.33	16.20	1.222	0.04	0.205	0.250
	N41	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 3	DSI18	518598	2592.99	15.33	16.20	1.222	0.1	0.124	0.152
	N41	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI18	518598	2592.99	15.33	16.20	1.222	-0.03	0.044	0.054
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI18	518598	2592.99	15.30	16.20	1.230	-0.15	0.090	0.111
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI18	518598	2592.99	15.30	16.20	1.230	0.06	0.181	0.223
	N41	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 3	DSI18	518598	2592.99	15.30	16.20	1.230	0.04	0.121	0.149
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI18	518598	2592.99	15.30	16.20	1.230	-0.12	0.041	0.050
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	-0.05	0.071	0.088
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	-0.1	0.371	0.459
	N41	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	-0.06	0.110	0.136
	N41	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	-0.05	0.053	0.066
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	518598	2592.99	17.76	18.70	1.242	0.13	0.069	0.086
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	17.76	18.70	1.242	-0.07	0.342	0.425
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	518598	2592.99	17.76	18.70	1.242	-0.15	0.107	0.133
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	518598	2592.99	17.76	18.70	1.242	-0.14	0.050	0.062
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 0	DSI18	518598	2592.99	24.28	25.40	1.294	0.13	0.423	0.547
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	24.28	25.40	1.294	-0.03	0.687	0.889
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 0	DSI18	518598	2592.99	24.28	25.40	1.294	0.08	0.053	0.069
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 0	DSI18	518598	2592.99	24.28	25.40	1.294	-0.09	0.278	0.360
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 0	DSI18	518598	2592.99	24.28	25.40	1.294	-0.08	0.296	0.383
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 0	DSI18	518598	2592.99	24.23	25.40	1.309	-0.01	0.442	0.579
43	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	24.23	25.40	1.309	-0.09	0.731	0.957
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 0	DSI18	518598	2592.99	24.23	25.40	1.309	-0.03	0.061	0.080
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 0	DSI18	518598	2592.99	24.23	25.40	1.309	-0.06	0.296	0.388
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 0	DSI18	518598	2592.99	24.23	25.40	1.309	0.1	0.303	0.397
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	24.05	25.40	1.365	0.09	0.689	0.940
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI18	518598	2592.99	18.89	19.90	1.262	-0.03	0.240	0.303
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI18	518598	2592.99	18.89	19.90	1.262	0.14	0.303	0.382
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI18	518598	2592.99	18.89	19.90	1.262	-0.14	0.282	0.356
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 1	DSI18	518598	2592.99	18.89	19.90	1.262	0.09	0.396	0.500
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI18	518598	2592.99	18.81	19.90	1.285	0.03	0.244	0.314
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI18	518598	2592.99	18.81	19.90	1.285	-0.08	0.310	0.398
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI18	518598	2592.99	18.81	19.90	1.285	-0.09	0.284	0.365
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 1	DSI18	518598	2592.99	18.81	19.90	1.285	0.02	0.414	0.532
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI18	518598	2592.99	18.12	19.20	1.282	-0.06	0.152	0.195
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI18	518598	2592.99	18.12	19.20	1.282	0.02	0.312	0.400
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 3	DSI18	518598	2592.99	18.12	19.20	1.282	0.1	0.183	0.235
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI18	518598	2592.99	18.12	19.20	1.282	0.03	0.072	0.092
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI18	518598	2592.99	18.02	19.20	1.312	0.02	0.141	0.185
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI18	518598	2592.99	18.02	19.20	1.312	0.01	0.307	0.403
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 3	DSI18	518598	2592.99	18.02	19.20	1.312	-0.12	0.162	0.213
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI18	518598	2592.99	18.02	19.20	1.312	-0.07	0.069	0.091
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	518598	2592.99	20.88	21.70	1.208	-0.02	0.143	0.173
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	20.88	21.70	1.208	0.12	0.759	0.917
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	518598	2592.99	20.88	21.70	1.208	0.04	0.226	0.273
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	518598	2592.99	20.88	21.70	1.208	0.03	0.102	0.123
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	518598	2592.99	20.87	21.70	1.211	-0.02	0.141	0.171
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	20.87	21.70	1.211	-0.16	0.721	0.873
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	518598	2592.99	20.87	21.70	1.211	0.1	0.224	0.271
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	518598	2592.99	20.87	21.70	1.211	0.16	0.097	0.117
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	20.61	21.70	1.285	-0.02	0.723	0.929



3000MHz-4000MHz																	
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI18	656000	3840	10.17	10.70	1.130	0.16	0.033	0.037
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI18	656000	3840	10.17	10.70	1.130	0	0.059	0.067
N77	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 3	DSI18	656000	3840	10.17	10.70	1.130	0.01	0.115	0.130
N77	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI18	656000	3840	10.17	10.70	1.130	0.11	0.005	0.006
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI18	656000	3840	10.11	10.70	1.146	0.09	0.036	0.041
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI18	656000	3840	10.11	10.70	1.146	-0.04	0.067	0.077
N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 3	DSI18	656000	3840	10.11	10.70	1.146	0.14	0.117	0.134
N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI18	656000	3840	10.11	10.70	1.146	0.04	0.006	0.007
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI18	633334	3500.01	10.14	10.70	1.138	0.03	0.052	0.059
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI18	633334	3500.01	10.14	10.70	1.138	-0.06	0.098	0.111
N77	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 3	DSI18	633334	3500.01	10.14	10.70	1.138	-0.14	0.175	0.199
N77	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI18	633334	3500.01	10.14	10.70	1.138	-0.11	0.004	0.005
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI18	633334	3500.01	10.12	10.70	1.143	-0.07	0.060	0.069
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI18	633334	3500.01	10.12	10.70	1.143	-0.06	0.101	0.115
N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 3	DSI18	633334	3500.01	10.12	10.70	1.143	0.13	0.188	0.215
N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI18	633334	3500.01	10.12	10.70	1.143	-0.09	0.008	0.009
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	656000	3840	11.34	12.20	1.219	-0.13	0.031	0.038
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	656000	3840	11.34	12.20	1.219	0.07	0.351	0.428
N77	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	656000	3840	11.34	12.20	1.219	-0.08	0.163	0.199
N77	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	656000	3840	11.34	12.20	1.219	0.13	0.030	0.037
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	656000	3840	11.26	12.20	1.242	-0.06	0.027	0.034
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	656000	3840	11.26	12.20	1.242	-0.13	0.362	0.449
N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	656000	3840	11.26	12.20	1.242	-0.14	0.158	0.196
N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	656000	3840	11.26	12.20	1.242	-0.07	0.035	0.043
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	633334	3500.01	11.15	12.20	1.274	-0.08	0.013	0.017
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	633334	3500.01	11.15	12.20	1.274	-0.16	0.139	0.177
N77	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	633334	3500.01	11.15	12.20	1.274	0.06	0.096	0.122
N77	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	633334	3500.01	11.15	12.20	1.274	-0.14	0.011	0.014
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	633334	3500.01	11.03	12.20	1.309	0.05	0.015	0.020
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	633334	3500.01	11.03	12.20	1.309	0.15	0.142	0.186
N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	633334	3500.01	11.03	12.20	1.309	-0.11	0.107	0.140
N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	633334	3500.01	11.03	12.20	1.309	-0.07	0.012	0.016
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI18	656000	3840	16.28	17.20	1.236	-0.15	0.075	0.093
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI18	656000	3840	16.28	17.20	1.236	-0.08	0.178	0.220
N77	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI18	656000	3840	16.28	17.20	1.236	0.05	0.129	0.159
N77	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 5	DSI18	656000	3840	16.28	17.20	1.236	-0.04	0.088	0.109
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI18	656000	3840	16.26	17.20	1.242	-0.01	0.071	0.088
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI18	656000	3840	16.26	17.20	1.242	-0.02	0.168	0.209
N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI18	656000	3840	16.26	17.20	1.242	-0.11	0.121	0.150
N77	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 5	DSI18	656000	3840	16.26	17.20	1.242	0.03	0.087	0.108
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI18	633334	3500.01	16.21	17.20	1.256	-0.16	0.045	0.057
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI18	633334	3500.01	16.21	17.20	1.256	0.09	0.167	0.210
N77	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI18	633334	3500.01	16.21	17.20	1.256	-0.01	0.063	0.079
N77	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 5	DSI18	633334	3500.01	16.21	17.20	1.256	0.08	0.076	0.095
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI18	633334	3500.01	16.10	17.20	1.288	0.04	0.041	0.053
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI18	633334	3500.01	16.10	17.20	1.288	0.09	0.159	0.205
N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI18	633334	3500.01	16.10	17.20	1.288	0.09	0.061	0.079
N77	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 5	DSI18	633334	3500.01	16.10	17.20	1.288	0.02	0.070	0.090
N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI18	656000	3840	17.03	17.70	1.167	-0.08	0.221	0.258
N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI18	656000	3840	17.03	17.70	1.167	0.01	0.263	0.307
N77	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 6	DSI18	656000	3840	17.03	17.70	1.167	0.08	0.132	0.154
N77	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI18	656000	3840	17.03	17.70	1.167	0.06	0.160	0.187
N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI18	656000	3840	16.96	17.70	1.186	-0.09	0.204	0.242
N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI18	656000	3840	16.96	17.70	1.186	0.08	0.258	0.306
N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI18	656000	3840	16.96	17.70	1.186	0.1	0.129	0.153



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	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI18	656000	3840	16.96	17.70	1.186	-0.11	0.158	0.187
	N77	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI18	633334	3500.01	16.86	17.70	1.213	0.08	0.112	0.136
	N77	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI18	633334	3500.01	16.86	17.70	1.213	-0.06	0.199	0.241
	N77	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 6	DSI18	633334	3500.01	16.86	17.70	1.213	0.07	0.058	0.070
	N77	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI18	633334	3500.01	16.86	17.70	1.213	0.03	0.108	0.131
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI18	633334	3500.01	16.80	17.70	1.230	0.03	0.108	0.133
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI18	633334	3500.01	16.80	17.70	1.230	-0.06	0.193	0.237
	N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI18	633334	3500.01	16.80	17.70	1.230	-0.15	0.054	0.066
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI18	633334	3500.01	16.80	17.70	1.230	0.07	0.102	0.125
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI18	656000	3840	12.71	13.70	1.256	-0.03	0.073	0.092
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI18	656000	3840	12.71	13.70	1.256	-0.05	0.130	0.163
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 3	DSI18	656000	3840	12.71	13.70	1.256	0.09	0.277	0.348
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI18	656000	3840	12.71	13.70	1.256	0.06	0.009	0.011
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI18	656000	3840	12.63	13.70	1.279	0.06	0.076	0.097
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI18	656000	3840	12.63	13.70	1.279	-0.14	0.140	0.179
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 3	DSI18	656000	3840	12.63	13.70	1.279	0.01	0.279	0.357
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI18	656000	3840	12.63	13.70	1.279	-0.12	0.010	0.013
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI18	633334	3500.01	13.13	13.70	1.140	-0.16	0.106	0.121
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI18	633334	3500.01	13.13	13.70	1.140	0.14	0.152	0.173
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 3	DSI18	633334	3500.01	13.13	13.70	1.140	0.14	0.394	0.449
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI18	633334	3500.01	13.13	13.70	1.140	-0.06	0.013	0.014
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI18	633334	3500.01	13.08	13.70	1.153	0.11	0.115	0.133
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI18	633334	3500.01	13.08	13.70	1.153	-0.08	0.159	0.183
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 3	DSI18	633334	3500.01	13.08	13.70	1.153	0.05	0.439	0.506
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI18	633334	3500.01	13.08	13.70	1.153	0.11	0.016	0.018
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	656000	3840	14.38	15.20	1.208	-0.13	0.061	0.074
44	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	656000	3840	14.38	15.20	1.208	0.07	0.770	0.930
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	656000	3840	14.38	15.20	1.208	-0.08	0.404	0.488
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	656000	3840	14.38	15.20	1.208	0.13	0.059	0.071
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	656000	3840	14.30	15.20	1.230	-0.06	0.058	0.071
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	656000	3840	14.30	15.20	1.230	-0.13	0.745	0.917
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	656000	3840	14.30	15.20	1.230	-0.14	0.396	0.487
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	656000	3840	14.30	15.20	1.230	-0.07	0.053	0.065
	N77 (HPUE)	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 4	DSI18	656000	3840	14.10	15.20	1.288	-0.13	0.715	0.921
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	633334	3500.01	14.14	15.20	1.276	-0.08	0.025	0.032
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	633334	3500.01	14.14	15.20	1.276	-0.16	0.258	0.329
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	633334	3500.01	14.14	15.20	1.276	0.06	0.181	0.231
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	633334	3500.01	14.14	15.20	1.276	-0.14	0.021	0.027
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	633334	3500.01	13.98	15.20	1.324	0.05	0.030	0.040
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	633334	3500.01	13.98	15.20	1.324	0.15	0.290	0.384
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	633334	3500.01	13.98	15.20	1.324	-0.11	0.182	0.241
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	633334	3500.01	13.98	15.20	1.324	-0.07	0.024	0.032
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI18	656000	3840	19.30	20.20	1.230	0.12	0.141	0.173
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI18	656000	3840	19.30	20.20	1.230	-0.03	0.303	0.373
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI18	656000	3840	19.30	20.20	1.230	0.14	0.223	0.274
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 5	DSI18	656000	3840	19.30	20.20	1.230	-0.08	0.118	0.145
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI18	656000	3840	19.22	20.20	1.253	0.05	0.136	0.170
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI18	656000	3840	19.22	20.20	1.253	0.1	0.296	0.371
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI18	656000	3840	19.22	20.20	1.253	-0.12	0.211	0.264
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 5	DSI18	656000	3840	19.22	20.20	1.253	0.07	0.109	0.137
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI18	633334	3500.01	19.24	20.20	1.247	-0.06	0.073	0.091
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI18	633334	3500.01	19.24	20.20	1.247	-0.06	0.301	0.375
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI18	633334	3500.01	19.24	20.20	1.247	0.03	0.116	0.145
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 5	DSI18	633334	3500.01	19.24	20.20	1.247	0.05	0.109	0.136
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI18	633334	3500.01	19.11	20.20	1.285	-0.03	0.068	0.087
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI18	633334	3500.01	19.11	20.20	1.285	-0.02	0.286	0.368



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N77 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DS118	633334	3500.01	19.11	20.20	1.285	-0.11	0.110	0.141
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 5	DS118	633334	3500.01	19.11	20.20	1.285	0.06	0.105	0.135
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DS118	656000	3840	19.93	20.70	1.194	0.07	0.492	0.587
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DS118	656000	3840	19.93	20.70	1.194	0.14	0.548	0.654
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 6	DS118	656000	3840	19.93	20.70	1.194	-0.06	0.274	0.327
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DS118	656000	3840	19.93	20.70	1.194	-0.04	0.288	0.344
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DS118	656000	3840	19.82	20.70	1.225	0.01	0.428	0.524
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DS118	656000	3840	19.82	20.70	1.225	0.02	0.536	0.656
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DS118	656000	3840	19.82	20.70	1.225	0.09	0.264	0.323
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DS118	656000	3840	19.82	20.70	1.225	0.04	0.281	0.344
N77 (HPUE)	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 6	DS118	656000	3840	19.71	20.70	1.256	0.07	0.511	0.642
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DS118	633334	3500.01	19.86	20.70	1.213	0.14	0.241	0.292
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DS118	633334	3500.01	19.86	20.70	1.213	0.03	0.405	0.491
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 6	DS118	633334	3500.01	19.86	20.70	1.213	0.08	0.116	0.141
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DS118	633334	3500.01	19.86	20.70	1.213	0.16	0.238	0.289
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DS118	633334	3500.01	19.73	20.70	1.250	-0.04	0.232	0.290
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DS118	633334	3500.01	19.73	20.70	1.250	0.07	0.398	0.498
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DS118	633334	3500.01	19.73	20.70	1.250	0.16	0.112	0.140
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DS118	633334	3500.01	19.73	20.70	1.250	0.07	0.222	0.278

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.12	0.029	0.055
45	Bluetooth	DH5 1Mbps	Back	10mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.1	0.041	0.078
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.04	0.035	0.066
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.18	0.017	0.032
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Reduced	6	2437	18.96	20.00	1.271	99.64	1.004	0.1	0.358	0.457
46	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Reduced	6	2437	18.96	20.00	1.271	99.64	1.004	-0.11	0.369	0.471
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7	Reduced	6	2437	18.96	20.00	1.271	99.64	1.004	0.05	0.317	0.404
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 7	Reduced	6	2437	18.96	20.00	1.271	99.64	1.004	0.15	0.353	0.450
5000MHz-6000Mhz																
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	10mm	Ant 7	Reduced	46	5230	12.70	14.00	1.349	95.59	1.046	-0.14	0.192	0.271
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	10mm	Ant 7	Reduced	46	5230	12.70	14.00	1.349	95.59	1.046	0.09	0.288	0.406
47	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 7	Reduced	46	5230	12.70	14.00	1.349	95.59	1.046	0.02	0.338	0.477
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 7	Reduced	46	5230	12.70	14.00	1.349	95.59	1.046	-0.06	0.272	0.384
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7	Reduced	155	5775	12.87	14.50	1.455	88.89	1.125	-0.15	0.120	0.196
48	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7	Reduced	155	5775	12.87	14.50	1.455	88.89	1.125	-0.14	0.277	0.454
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7	Reduced	155	5775	12.87	14.50	1.455	88.89	1.125	-0.06	0.201	0.329
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 7	Reduced	155	5775	12.87	14.50	1.455	88.89	1.125	0.11	0.199	0.326



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
ENDC																		
750MHz																		
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Front	10mm	Ant 0	DSI18	23095	707.5	24.10	24.80	1.175	-0.13	0.116	0.136
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Back	10mm	Ant 0	DSI18	23095	707.5	24.10	24.80	1.175	-0.1	0.216	0.254
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Side	10mm	Ant 0	DSI18	23095	707.5	24.10	24.80	1.175	0.13	0.203	0.239
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Right Side	10mm	Ant 0	DSI18	23095	707.5	24.10	24.80	1.175	-0.09	0.148	0.174
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Bottom Side	10mm	Ant 0	DSI18	23095	707.5	24.10	24.80	1.175	-0.02	0.117	0.137
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI18	23095	707.5	22.99	23.80	1.205	-0.04	0.101	0.122
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI18	23095	707.5	22.99	23.80	1.205	0.07	0.175	0.211
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	DSI18	23095	707.5	22.99	23.80	1.205	0.1	0.163	0.196
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI18	23095	707.5	22.99	23.80	1.205	0.11	0.120	0.145
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI18	23095	707.5	22.99	23.80	1.205	-0.01	0.091	0.110
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Front	10mm	Ant 1	DSI18	23095	707.5	24.02	24.80	1.197	-0.09	0.192	0.230
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Back	10mm	Ant 1	DSI18	23095	707.5	24.02	24.80	1.197	0.1	0.238	0.285
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Left Side	10mm	Ant 1	DSI18	23095	707.5	24.02	24.80	1.197	-0.14	0.175	0.209
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Top Side	10mm	Ant 1	DSI18	23095	707.5	24.02	24.80	1.197	-0.11	0.101	0.121
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI18	23095	707.5	22.85	23.80	1.245	0.08	0.141	0.175
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI18	23095	707.5	22.85	23.80	1.245	-0.09	0.187	0.233
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI18	23095	707.5	22.85	23.80	1.245	0	0.139	0.173
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI18	23095	707.5	22.85	23.80	1.245	0.07	0.080	0.100
1750MHz																		
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	10mm	Ant 0	DSI18	132322	1745	16.38	16.80	1.102	0.16	0.084	0.093
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	132322	1745	16.38	16.80	1.102	-0.04	0.162	0.178
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Side	10mm	Ant 0	DSI18	132322	1745	16.38	16.80	1.102	0.01	0.061	0.067
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Right Side	10mm	Ant 0	DSI18	132322	1745	16.38	16.80	1.102	-0.11	0.047	0.052
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	132322	1745	16.38	16.80	1.102	-0.09	0.268	0.295
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI18	132322	1745	16.37	16.80	1.104	-0.15	0.080	0.088
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI18	132322	1745	16.37	16.80	1.104	-0.08	0.161	0.178
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Side	10mm	Ant 0	DSI18	132322	1745	16.37	16.80	1.104	0.14	0.060	0.066
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI18	132322	1745	16.37	16.80	1.104	0.03	0.046	0.051
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	132322	1745	16.37	16.80	1.104	-0.01	0.251	0.277
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	10mm	Ant 1	DSI18	132322	1745	15.80	16.80	1.259	-0.05	0.161	0.203
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	10mm	Ant 1	DSI18	132322	1745	15.80	16.80	1.259	0	0.221	0.278
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Side	10mm	Ant 1	DSI18	132322	1745	15.80	16.80	1.259	-0.08	0.046	0.058
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	132322	1745	15.80	16.80	1.259	0.12	0.273	0.344
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI18	132322	1745	15.71	16.80	1.285	0.03	0.153	0.197
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI18	132322	1745	15.71	16.80	1.285	-0.06	0.219	0.281
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI18	132322	1745	15.71	16.80	1.285	0.09	0.043	0.055
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	132322	1745	15.71	16.80	1.285	-0.06	0.241	0.310
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI18	132322	1745	19.48	20.30	1.208	-0.02	0.015	0.018
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI18	132322	1745	19.48	20.30	1.208	0.15	0.008	0.010
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Top Side	10mm	Ant 4	DSI18	132322	1745	19.48	20.30	1.208	0.15	0.005	0.006
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI18	132322	1745	19.37	20.30	1.239	0.03	0.004	0.005
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI18	132322	1745	19.37	20.30	1.239	0.01	0.014	0.017
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI18	132322	1745	19.37	20.30	1.239	-0.12	0.007	0.009
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI18	132322	1745	19.37	20.30	1.239	-0.14	0.004	0.005
1900MHz																		
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	10mm	Ant 0	DSI18	18900	1880	16.84	17.80	1.247	0.12	0.082	0.102
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	18900	1880	16.84	17.80	1.247	0.02	0.147	0.183
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Side	10mm	Ant 0	DSI18	18900	1880	16.84	17.80	1.247	0.13	0.035	0.044
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Right Side	10mm	Ant 0	DSI18	18900	1880	16.84	17.80	1.247	0.1	0.041	0.051
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 0	DSI18	18900	1880	16.84	17.80	1.247	0.16	0.236	0.294
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI18	18900	1880	16.81	17.80	1.256	-0.09	0.080	0.100



	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI18	18900	1880	16.81	17.80	1.256	0.01	0.144	0.181
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Side	10mm	Ant 0	DSI18	18900	1880	16.81	17.80	1.256	0.06	0.029	0.036
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI18	18900	1880	16.81	17.80	1.256	0.15	0.036	0.045
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI18	18900	1880	16.81	17.80	1.256	-0.07	0.221	0.278
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	10mm	Ant 1	DSI18	18900	1880	15.47	16.30	1.211	0.05	0.119	0.144
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	10mm	Ant 1	DSI18	18900	1880	15.47	16.30	1.211	-0.1	0.192	0.232
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Side	10mm	Ant 1	DSI18	18900	1880	15.47	16.30	1.211	-0.03	0.016	0.019
49	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI18	18900	1880	15.47	16.30	1.211	-0.07	0.280	0.339
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI18	18900	1880	15.42	16.30	1.225	-0.14	0.117	0.143
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI18	18900	1880	15.42	16.30	1.225	0.11	0.183	0.224
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI18	18900	1880	15.42	16.30	1.225	0	0.013	0.016
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI18	18900	1880	15.42	16.30	1.225	0.02	0.227	0.278
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI18	18900	1880	18.49	19.80	1.352	0.13	0.051	0.069
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI18	18900	1880	18.49	19.80	1.352	0.06	0.204	0.276
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI18	18900	1880	18.49	19.80	1.352	0.08	0.092	0.124
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Top Side	10mm	Ant 4	DSI18	18900	1880	18.49	19.80	1.352	-0.02	0.045	0.061
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI18	18900	1880	18.41	19.80	1.377	-0.14	0.045	0.062
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI18	18900	1880	18.41	19.80	1.377	0.11	0.147	0.202
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI18	18900	1880	18.41	19.80	1.377	0.09	0.089	0.123
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI18	18900	1880	18.41	19.80	1.377	0.09	0.041	0.056

NSA

750MHz

	N71_NSA	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	0.06	0.126	0.158
	N71_NSA	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	0.06	0.171	0.215
	N71_NSA	20M	BPSK	1	53	DFT-15	Left Side	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	0.12	0.165	0.207
	N71_NSA	20M	BPSK	1	53	DFT-15	Right Side	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	-0.02	0.118	0.148
	N71_NSA	20M	BPSK	1	53	DFT-15	Bottom Side	10mm	Ant 0	DSI18	136100	680.5	24.21	25.20	1.256	-0.12	0.089	0.112
	N71_NSA	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.06	0.132	0.166
	N71_NSA	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.16	0.180	0.227
	N71_NSA	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	0.1	0.170	0.214
	N71_NSA	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.02	0.122	0.154
	N71_NSA	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI18	136100	680.5	24.20	25.20	1.259	-0.15	0.093	0.117
	N71_NSA	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	-0.09	0.190	0.240
	N71_NSA	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	0.06	0.229	0.289
	N71_NSA	20M	BPSK	1	53	DFT-15	Left Side	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	0.02	0.264	0.333
	N71_NSA	20M	BPSK	1	53	DFT-15	Top Side	10mm	Ant 1	DSI18	136100	680.5	24.19	25.20	1.262	0.09	0.111	0.140
	N71_NSA	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	0.12	0.191	0.242
	N71_NSA	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	0.07	0.236	0.298
	N71_NSA	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	0.1	0.275	0.348
	N71_NSA	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 1	DSI18	136100	680.5	24.18	25.20	1.265	-0.15	0.114	0.144

1750MHz

	N66_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 0	DSI18	349000	1745	18.22	19.20	1.253	0.03	0.143	0.179
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 0	DSI18	349000	1745	18.22	19.20	1.253	0.05	0.239	0.300
	N66_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 0	DSI18	349000	1745	18.22	19.20	1.253	0.12	0.033	0.041
	N66_NSA	40M	BPSK	1	108	DFT-15	Right Side	10mm	Ant 0	DSI18	349000	1745	18.22	19.20	1.253	0.14	0.054	0.068
	N66_NSA	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 0	DSI18	349000	1745	18.22	19.20	1.253	0.07	0.355	0.445
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI18	349000	1745	18.20	19.20	1.259	-0.09	0.145	0.183
	N66_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI18	349000	1745	18.20	19.20	1.259	0.14	0.240	0.302
	N66_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 0	DSI18	349000	1745	18.20	19.20	1.259	0.12	0.034	0.043
	N66_NSA	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI18	349000	1745	18.20	19.20	1.259	-0.14	0.059	0.074
	N66_NSA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI18	349000	1745	18.20	19.20	1.259	-0.11	0.390	0.491
	N66_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 1	DSI18	349000	1745	22.07	23.20	1.297	-0.16	0.266	0.345
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 1	DSI18	349000	1745	22.07	23.20	1.297	0.06	0.318	0.413
	N66_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 1	DSI18	349000	1745	22.07	23.20	1.297	0.12	0.065	0.084
	N66_NSA	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 1	DSI18	349000	1745	22.07	23.20	1.297	-0.11	0.417	0.541
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI18	349000	1745	22.01	23.20	1.315	-0.13	0.245	0.322



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	N66_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI18	349000	1745	22.01	23.20	1.315	-0.14	0.309	0.406
	N66_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI18	349000	1745	22.01	23.20	1.315	0.03	0.061	0.080
	N66_NSA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI18	349000	1745	22.01	23.20	1.315	-0.05	0.366	0.481
	N66_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 4	DSI18	349000	1745	22.07	23.20	1.297	0.15	0.002	0.003
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 4	DSI18	349000	1745	22.07	23.20	1.297	-0.11	0.015	0.019
	N66_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 4	DSI18	349000	1745	22.07	23.20	1.297	0.16	0.008	0.010
	N66_NSA	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 4	DSI18	349000	1745	22.07	23.20	1.297	-0.1	0.003	0.004
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI18	349000	1745	22.01	23.20	1.315	0.11	0.002	0.003
	N66_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI18	349000	1745	22.01	23.20	1.315	0.05	0.014	0.018
	N66_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 4	DSI18	349000	1745	22.01	23.20	1.315	0.07	0.006	0.008
	N66_NSA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 4	DSI18	349000	1745	22.01	23.20	1.315	-0.03	0.002	0.003

1900MHz

	N25_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 0	DSI18	376500	1882.5	18.12	19.20	1.282	-0.06	0.106	0.136
	N25_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 0	DSI18	376500	1882.5	18.12	19.20	1.282	-0.16	0.245	0.314
	N25_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 0	DSI18	376500	1882.5	18.12	19.20	1.282	0.11	0.037	0.047
	N25_NSA	40M	BPSK	1	108	DFT-15	Right Side	10mm	Ant 0	DSI18	376500	1882.5	18.12	19.20	1.282	0.06	0.056	0.072
	N25_NSA	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 0	DSI18	376500	1882.5	18.12	19.20	1.282	-0.14	0.319	0.409
	N25_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI18	376500	1882.5	18.09	19.20	1.291	-0.12	0.109	0.141
	N25_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI18	376500	1882.5	18.09	19.20	1.291	0.12	0.249	0.322
	N25_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 0	DSI18	376500	1882.5	18.09	19.20	1.291	-0.02	0.039	0.050
	N25_NSA	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI18	376500	1882.5	18.09	19.20	1.291	0.02	0.061	0.079
	N25_NSA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI18	376500	1882.5	18.09	19.20	1.291	-0.14	0.329	0.425
	N25_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 1	DSI18	376500	1882.5	19.89	20.70	1.205	0.03	0.343	0.413
	N25_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 1	DSI18	376500	1882.5	19.89	20.70	1.205	-0.11	0.475	0.572
	N25_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 1	DSI18	376500	1882.5	19.89	20.70	1.205	-0.14	0.071	0.086
	N25_NSA	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 1	DSI18	376500	1882.5	19.89	20.70	1.205	-0.04	0.622	0.750
	N25_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI18	376500	1882.5	19.85	20.70	1.216	0.06	0.363	0.441
	N25_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI18	376500	1882.5	19.85	20.70	1.216	-0.01	0.488	0.593
	N25_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI18	376500	1882.5	19.85	20.70	1.216	0.13	0.082	0.100
	N25_NSA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI18	376500	1882.5	19.85	20.70	1.216	-0.02	0.637	0.775
	N25_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 4	DSI18	376500	1882.5	18.69	19.20	1.125	-0.07	0.034	0.038
	N25_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 4	DSI18	376500	1882.5	18.69	19.20	1.125	0.14	0.221	0.249
	N25_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 4	DSI18	376500	1882.5	18.69	19.20	1.125	-0.04	0.105	0.118
	N25_NSA	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 4	DSI18	376500	1882.5	18.69	19.20	1.125	0.06	0.029	0.033
	N25_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI18	376500	1882.5	18.68	19.20	1.127	0.09	0.032	0.036
	N25_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI18	376500	1882.5	18.68	19.20	1.127	-0.01	0.200	0.225
	N25_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 4	DSI18	376500	1882.5	18.68	19.20	1.127	0.15	0.091	0.103
	N25_NSA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 4	DSI18	376500	1882.5	18.68	19.20	1.127	-0.03	0.030	0.034

2600MHz

	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 0	DSI18	518598	2592.99	21.41	22.40	1.256	-0.03	0.248	0.311
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	21.41	22.40	1.256	-0.11	0.475	0.597
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 0	DSI18	518598	2592.99	21.41	22.40	1.256	-0.15	0.040	0.050
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 0	DSI18	518598	2592.99	21.41	22.40	1.256	-0.08	0.167	0.210
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 0	DSI18	518598	2592.99	21.41	22.40	1.256	0.09	0.162	0.203
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 0	DSI18	518598	2592.99	21.39	22.40	1.262	0.08	0.246	0.310
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 0	DSI18	518598	2592.99	21.39	22.40	1.262	0.09	0.469	0.592
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 0	DSI18	518598	2592.99	21.39	22.40	1.262	-0.12	0.035	0.044
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 0	DSI18	518598	2592.99	21.39	22.40	1.262	-0.09	0.162	0.204
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 0	DSI18	518598	2592.99	21.39	22.40	1.262	0.02	0.158	0.199
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI18	518598	2592.99	16.10	16.90	1.202	0.03	0.143	0.172
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI18	518598	2592.99	16.10	16.90	1.202	-0.12	0.183	0.220
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI18	518598	2592.99	16.10	16.90	1.202	-0.06	0.170	0.204
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 1	DSI18	518598	2592.99	16.10	16.90	1.202	0.16	0.238	0.286
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI18	518598	2592.99	15.98	16.90	1.236	-0.08	0.148	0.183
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI18	518598	2592.99	15.98	16.90	1.236	-0.12	0.186	0.230
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI18	518598	2592.99	15.98	16.90	1.236	0.03	0.174	0.215



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	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 1	DSI18	518598	2592.99	15.98	16.90	1.236	0.06	0.251	0.310
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI18	518598	2592.99	17.92	18.70	1.197	0.09	0.101	0.121
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	17.92	18.70	1.197	-0.15	0.383	0.458
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI18	518598	2592.99	17.92	18.70	1.197	-0.11	0.154	0.184
	N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI18	518598	2592.99	17.92	18.70	1.197	-0.02	0.069	0.083
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	-0.1	0.096	0.119
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	0.08	0.363	0.449
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	0.16	0.149	0.184
	N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI18	518598	2592.99	17.78	18.70	1.236	0.16	0.063	0.078



17.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
750MHz																			
	LTE Band 71	20M	QPSK	1	49	-	Front	15mm	Ant 0	DSI4/9	133297	680.5	24.30	24.80	1.122	-0.16	0.108	0.121	
	LTE Band 71	20M	QPSK	1	49	-	Back	15mm	Ant 0	DSI4/9	133297	680.5	24.30	24.80	1.122	-0.06	0.144	0.162	
	LTE Band 71	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4/9	133297	680.5	23.31	23.80	1.119	0.12	0.085	0.095	
	LTE Band 71	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4/9	133297	680.5	23.31	23.80	1.119	-0.06	0.113	0.126	
	LTE Band 71	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI4/9	133297	680.5	24.24	24.80	1.138	0.15	0.184	0.209	
50	LTE Band 71	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	133297	680.5	24.24	24.80	1.138	-0.03	0.231	0.263	
	LTE Band 71	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI4/9	133297	680.5	23.25	23.80	1.135	0.08	0.144	0.163	
	LTE Band 71	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI4/9	133297	680.5	23.25	23.80	1.135	0.15	0.173	0.196	
	LTE Band 12	10M	QPSK	1	25	-	Front	15mm	Ant 0	DSI4/9	23095	707.5	23.91	24.8	1.227	-0.04	0.130	0.160	
	LTE Band 12	10M	QPSK	1	25	-	Back	15mm	Ant 0	DSI4/9	23095	707.5	23.91	24.8	1.227	0.04	0.192	0.236	
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI4/9	23095	707.5	22.92	23.80	1.225	-0.01	0.101	0.124	
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI4/9	23095	707.5	22.92	23.80	1.225	-0.09	0.135	0.165	
	LTE Band 12	10M	QPSK	1	25	-	Front	15mm	Ant 1	DSI4/9	23095	707.5	23.91	24.80	1.227	-0.12	0.187	0.230	
51	LTE Band 12	10M	QPSK	1	25	-	Back	15mm	Ant 1	DSI4/9	23095	707.5	23.91	24.80	1.227	0.01	0.219	0.269	
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI4/9	23095	707.5	22.75	23.80	1.274	-0.14	0.147	0.187	
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI4/9	23095	707.5	22.75	23.80	1.274	-0.07	0.172	0.219	
	LTE Band 13	10M	QPSK	1	25	-	Front	15mm	Ant 0	DSI4/9	23230	782	23.59	24.30	1.178	0.16	0.123	0.145	
	LTE Band 13	10M	QPSK	1	25	-	Back	15mm	Ant 0	DSI4/9	23230	782	23.59	24.30	1.178	0.05	0.168	0.198	
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI4/9	23230	782	22.46	23.30	1.213	0.03	0.094	0.114	
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI4/9	23230	782	22.46	23.30	1.213	0.1	0.113	0.137	
	LTE Band 13	10M	QPSK	1	25	-	Front	15mm	Ant 1	DSI4/9	23230	782	23.41	24.30	1.227	0.06	0.156	0.191	
52	LTE Band 13	10M	QPSK	1	25	-	Back	15mm	Ant 1	DSI4/9	23230	782	23.41	24.30	1.227	-0.15	0.194	0.238	
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI4/9	23230	782	22.35	23.30	1.245	-0.09	0.117	0.146	
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI4/9	23230	782	22.35	23.30	1.245	0.04	0.140	0.174	
835MHz																			
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 0	DSI4/9	189	836.4	27.56	28.30	1.186	0.02	0.133	0.158	
53	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 0	DSI4/9	189	836.4	27.56	28.30	1.186	-0.15	0.148	0.175	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 1	DSI4/9	189	836.4	27.14	28.30	1.306	-0.16	0.122	0.159	
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 1	DSI4/9	189	836.4	27.14	28.30	1.306	-0.19	0.131	0.171	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI4/9	4182	836.4	23.93	24.80	1.222	-0.03	0.167	0.204	
54	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI4/9	4182	836.4	23.93	24.80	1.222	0.14	0.216	0.264	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI4/9	4182	836.4	23.81	24.80	1.256	0.11	0.160	0.201	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	4182	836.4	23.81	24.80	1.256	0.01	0.182	0.229	
	LTE Band 26	15M	QPSK	1	37	-	Front	15mm	Ant 0	DSI4/9	26865	831.5	23.88	24.80	1.236	0.11	0.155	0.192	
55	LTE Band 26	15M	QPSK	1	37	-	Back	15mm	Ant 0	DSI4/9	26865	831.5	23.88	24.80	1.236	0.09	0.210	0.260	
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 0	DSI4/9	26865	831.5	22.80	23.80	1.259	0.09	0.124	0.156	
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 0	DSI4/9	26865	831.5	22.80	23.80	1.259	0.02	0.145	0.183	
	LTE Band 26	15M	QPSK	1	37	-	Front	15mm	Ant 1	DSI4/9	26865	831.5	23.83	24.80	1.250	0.06	0.164	0.205	
	LTE Band 26	15M	QPSK	1	37	-	Back	15mm	Ant 1	DSI4/9	26865	831.5	23.83	24.80	1.250	-0.09	0.169	0.211	
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 1	DSI4/9	26865	831.5	22.90	23.80	1.230	0.06	0.143	0.176	
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 1	DSI4/9	26865	831.5	22.90	23.80	1.230	0.03	0.160	0.197	
1750MHz																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI4/9	1413	1732.6	23.86	24.60	1.186	-0.11	0.312	0.370	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI4/9	1413	1732.6	23.86	24.60	1.186	-0.01	0.553	0.656	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI4/9	1413	1732.6	23.62	24.60	1.253	0.02	0.412	0.516	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	1413	1732.6	23.62	24.60	1.253	-0.09	0.661	0.828	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	1312	1712.4	23.61	24.60	1.256	-0.03	0.491	0.617	
56	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	1513	1752.6	23.60	24.60	1.259	-0.08	0.732	0.922	
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 0	DSI4/9	132322	1745	23.58	24.30	1.180	-0.12	0.304	0.359	
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 0	DSI4/9	132322	1745	23.58	24.30	1.180	-0.02	0.547	0.646	
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4/9	132322	1745	22.53	23.30	1.194	0.06	0.245	0.293	



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	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4/9	132322	1745	22.53	23.30	1.194	-0.07	0.493	0.589
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI4/9	132322	1745	23.45	24.30	1.216	-0.04	0.413	0.502
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	132322	1745	23.45	24.30	1.216	-0.05	0.680	0.827
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	132072	1720	23.38	24.30	1.236	-0.12	0.580	0.717
57	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	132572	1770	23.37	24.30	1.239	-0.01	0.725	0.898
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI4/9	132322	1745	22.46	23.30	1.213	0.14	0.332	0.403
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI4/9	132322	1745	22.46	23.30	1.213	0.15	0.429	0.521
	LTE Band 66	20M	QPSK	100	0	-	Back	15mm	Ant 1	DSI4/9	132322	1745	22.37	23.30	1.239	-0.02	0.428	0.530
1900MHz																		
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 0	DSI4/9	661	1880	24.68	25.30	1.153	-0.07	0.157	0.181
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 0	DSI4/9	661	1880	24.68	25.30	1.153	-0.08	0.288	0.332
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 1	DSI4/9	661	1880	24.37	25.30	1.239	-0.01	0.336	0.416
58	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 1	DSI4/9	661	1880	24.37	25.30	1.239	-0.02	0.416	0.515
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI4/9	9400	1880	23.85	24.60	1.189	0.05	0.269	0.320
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI4/9	9400	1880	23.85	24.60	1.189	0.15	0.498	0.592
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI4/9	9400	1880	23.63	24.60	1.250	-0.05	0.467	0.584
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	9400	1880	23.63	24.60	1.250	-0.09	0.754	0.943
59	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	9262	1852.4	23.61	24.60	1.256	-0.16	0.785	0.986
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4/9	9538	1907.6	23.59	24.60	1.262	-0.01	0.666	0.840
	LTE Band 25	20M	QPSK	1	49	-	Front	15mm	Ant 0	DSI4/9	26340	1880	23.56	24.30	1.186	0.11	0.253	0.300
	LTE Band 25	20M	QPSK	1	49	-	Back	15mm	Ant 0	DSI4/9	26340	1880	23.56	24.30	1.186	-0.15	0.491	0.582
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4/9	26340	1880	22.60	23.30	1.175	-0.09	0.199	0.234
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4/9	26340	1880	22.60	23.30	1.175	-0.1	0.362	0.425
	LTE Band 25	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI4/9	26340	1880	23.54	24.30	1.191	-0.04	0.435	0.518
	LTE Band 25	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	26340	1880	23.54	24.30	1.191	-0.04	0.674	0.803
60	LTE Band 25	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	26140	1860	23.47	24.30	1.211	-0.1	0.741	0.897
	LTE Band 25	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4/9	26590	1905	23.35	24.30	1.245	0.14	0.536	0.667
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI4/9	26340	1880	22.58	23.30	1.180	0.13	0.359	0.424
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI4/9	26340	1880	22.58	23.30	1.180	0.06	0.491	0.580
	LTE Band 25	20M	QPSK	100	0	-	Back	15mm	Ant 1	DSI4/9	26340	1880	22.49	23.30	1.205	-0.12	0.477	0.575
	LTE Band 25	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI4/9	26340	1880	22.37	23.30	1.239	0.13	0.056	0.069
	LTE Band 25	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI4/9	26340	1880	22.37	23.30	1.239	-0.06	0.229	0.284
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI4/9	26340	1880	21.36	22.30	1.242	0.08	0.046	0.057
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4/9	26340	1880	21.36	22.30	1.242	-0.14	0.114	0.142



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2600MHz																			
61	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 0	DSI4/9	21100	2535	23.25	23.60	1.084	-	1.000	-0.16	0.312	0.338
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 0	DSI4/9	21100	2535	23.25	23.60	1.084	-	1.000	-0.12	0.473	0.513
	LTE Band 7	20M	QPSK	50	0	Front	15mm	Ant 0	DSI4/9	21100	2535	22.28	22.60	1.076	-	1.000	-0.04	0.248	0.267
	LTE Band 7	20M	QPSK	50	0	Back	15mm	Ant 0	DSI4/9	21100	2535	22.28	22.60	1.076	-	1.000	-0.04	0.363	0.391
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 1	DSI4/9	21100	2535	23.47	23.60	1.030	-	1.000	0.1	0.354	0.365
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 1	DSI4/9	21100	2535	23.47	23.60	1.030	-	1.000	-0.17	0.492	0.507
	LTE Band 7	20M	QPSK	50	0	Front	15mm	Ant 1	DSI4/9	21100	2535	22.48	22.60	1.028	-	1.000	-0.08	0.274	0.282
	LTE Band 7	20M	QPSK	50	0	Back	15mm	Ant 1	DSI4/9	21100	2535	22.48	22.60	1.028	-	1.000	-0.09	0.367	0.377
62	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 0	DSI4/9	38000	2595	23.35	23.80	1.109	62.9	1.006	0.1	0.153	0.171
	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 0	DSI4/9	38000	2595	23.35	23.80	1.109	62.9	1.006	-0.13	0.247	0.276
	LTE Band 38	20M	QPSK	50	0	Front	15mm	Ant 0	DSI4/9	38000	2595	22.27	22.80	1.130	62.9	1.006	0.1	0.120	0.136
	LTE Band 38	20M	QPSK	50	0	Back	15mm	Ant 0	DSI4/9	38000	2595	22.27	22.80	1.130	62.9	1.006	-0.02	0.189	0.215
	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 1	DSI4/9	38000	2595	23.50	23.80	1.072	62.9	1.006	-0.09	0.191	0.206
	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 1	DSI4/9	38000	2595	23.50	23.80	1.072	62.9	1.006	0.03	0.229	0.247
	LTE Band 38	20M	QPSK	50	0	Front	15mm	Ant 1	DSI4/9	38000	2595	22.50	22.80	1.072	62.9	1.006	-0.12	0.145	0.156
	LTE Band 38	20M	QPSK	50	0	Back	15mm	Ant 1	DSI4/9	38000	2595	22.50	22.80	1.072	62.9	1.006	-0.06	0.155	0.167
63	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 0	DSI4/9	40620	2593	22.59	23.80	1.321	62.9	1.006	0.15	0.127	0.169
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 0	DSI4/9	40620	2593	22.59	23.80	1.321	62.9	1.006	-0.06	0.206	0.274
	LTE Band 41C	20M	QPSK	1	49	Back	15mm	Ant 0	DSI4/9	40620+40422	2593+2573.2	22.52	23.80	1.343	62.9	1.006	0.01	0.201	0.272
	LTE Band 41	20M	QPSK	50	0	Front	15mm	Ant 0	DSI4/9	40620	2593	21.70	22.80	1.288	62.9	1.006	0.12	0.101	0.131
	LTE Band 41	20M	QPSK	50	0	Back	15mm	Ant 0	DSI4/9	40620	2593	21.70	22.80	1.288	62.9	1.006	-0.04	0.166	0.215
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 1	DSI4/9	40620	2593	22.58	23.80	1.324	62.9	1.006	-0.11	0.147	0.196
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 1	DSI4/9	40620	2593	22.58	23.80	1.324	62.9	1.006	-0.05	0.248	0.330
	LTE Band 41C	20M	QPSK	1	49	Back	15mm	Ant 1	DSI4/9	40620+40422	2593+2573.2	22.55	23.80	1.334	62.9	1.006	0.02	0.233	0.313
	LTE Band 41	20M	QPSK	50	0	Front	15mm	Ant 1	DSI4/9	40620	2593	21.72	22.80	1.282	62.9	1.006	0.09	0.120	0.155
	LTE Band 41	20M	QPSK	50	0	Back	15mm	Ant 1	DSI4/9	40620	2593	21.72	22.80	1.282	62.9	1.006	0.04	0.146	0.188
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 4	DSI4/9	40620	2593	19.79	20.30	1.125	62.9	1.006	0.01	0.052	0.059
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 4	DSI4/9	40620	2593	19.79	20.30	1.125	62.9	1.006	-0.02	0.187	0.212
	LTE Band 41	20M	QPSK	50	0	Front	15mm	Ant 4	DSI4/9	40620	2593	18.99	19.30	1.074	62.9	1.006	0.1	0.040	0.043
	LTE Band 41	20M	QPSK	50	0	Back	15mm	Ant 4	DSI4/9	40620	2593	18.99	19.30	1.074	62.9	1.006	-0.1	0.098	0.106
	LTE Band 41 (HPUE)	20M	QPSK	1	49	Front	15mm	Ant 0	DSI4/9	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.05	0.179	0.202
LTE Band 41 (HPUE)	20M	QPSK	1	49	Back	15mm	Ant 0	DSI4/9	40620	2593	25.52	26.00	1.117	42.9	1.009	0.03	0.270	0.304	
LTE Band 41 (HPUE)	20M	QPSK	50	0	Front	15mm	Ant 0	DSI4/9	40620	2593	24.61	25.00	1.094	42.9	1.009	-0.05	0.140	0.155	
LTE Band 41 (HPUE)	20M	QPSK	50	0	Back	15mm	Ant 0	DSI4/9	40620	2593	24.61	25.00	1.094	42.9	1.009	-0.16	0.204	0.225	
LTE Band 41 (HPUE)	20M	QPSK	1	49	Front	15mm	Ant 1	DSI4/9	40620	2593	25.50	26.00	1.122	42.9	1.009	0.1	0.200	0.226	
LTE Band 41 (HPUE)	20M	QPSK	1	49	Back	15mm	Ant 1	DSI4/9	40620	2593	25.50	26.00	1.122	42.9	1.009	-0.02	0.269	0.305	
LTE Band 41 (HPUE)	20M	QPSK	50	0	Front	15mm	Ant 1	DSI4/9	40620	2593	24.55	25.00	1.109	42.9	1.009	0.06	0.162	0.181	
LTE Band 41 (HPUE)	20M	QPSK	50	0	Back	15mm	Ant 1	DSI4/9	40620	2593	24.55	25.00	1.109	42.9	1.009	0.14	0.148	0.166	
LTE Band 41 (HPUE)	20M	QPSK	1	49	Front	15mm	Ant 4	DSI4/9	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.03	0.067	0.077	
LTE Band 41 (HPUE)	20M	QPSK	1	49	Back	15mm	Ant 4	DSI4/9	40620	2593	22.74	23.30	1.138	42.9	1.009	-0.04	0.226	0.259	
LTE Band 41 (HPUE)	20M	QPSK	50	0	Front	15mm	Ant 4	DSI4/9	40620	2593	21.84	22.30	1.112	42.9	1.009	0.04	0.056	0.063	
LTE Band 41 (HPUE)	20M	QPSK	50	0	Back	15mm	Ant 4	DSI4/9	40620	2593	21.84	22.30	1.112	42.9	1.009	0.06	0.129	0.145	



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
750MHz																			
	N71	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI4/9	136100	680.5	24.21	25.20	1.256	0.05	0.109	0.137	
	N71	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI4/9	136100	680.5	24.21	25.20	1.256	0.08	0.136	0.171	
	N71	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI4/9	136100	680.5	24.20	25.20	1.259	0.07	0.101	0.127	
	N71	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI4/9	136100	680.5	24.20	25.20	1.259	0.03	0.134	0.169	
	N71	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 1	DSI4/9	136100	680.5	24.19	25.20	1.262	-0.08	0.186	0.235	
64	N71	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 1	DSI4/9	136100	680.5	24.19	25.20	1.262	-0.03	0.213	0.269	
	N71	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 1	DSI4/9	136100	680.5	24.18	25.20	1.265	0.04	0.182	0.230	
	N71	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 1	DSI4/9	136100	680.5	24.18	25.20	1.265	-0.06	0.210	0.266	
1750MHz																			
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI4/9	349000	1745	23.98	24.70	1.180	-0.01	0.273	0.322	
	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI4/9	349000	1745	23.98	24.70	1.180	-0.09	0.485	0.572	
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI4/9	349000	1745	23.95	24.70	1.189	-0.16	0.279	0.332	
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI4/9	349000	1745	23.95	24.70	1.189	0.07	0.457	0.543	
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI4/9	349000	1745	23.82	24.70	1.225	-0.13	0.373	0.457	
65	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI4/9	349000	1745	23.82	24.70	1.225	-0.1	0.591	0.724	
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI4/9	349000	1745	23.81	24.70	1.227	-0.12	0.377	0.463	
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI4/9	349000	1745	23.81	24.70	1.227	-0.01	0.501	0.615	
1900MHz																			
	N25	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI4/9	376500	1882.5	24.04	24.70	1.164	-0.04	0.213	0.248	
	N25	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI4/9	376500	1882.5	24.04	24.70	1.164	-0.09	0.454	0.529	
	N25	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI4/9	376500	1882.5	24.02	24.70	1.169	0.12	0.208	0.243	
	N25	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI4/9	376500	1882.5	24.02	24.70	1.169	0.16	0.374	0.437	
	N25	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI4/9	376500	1882.5	24.00	24.70	1.175	0.16	0.407	0.478	
66	N25	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI4/9	376500	1882.5	24.00	24.70	1.175	-0.11	0.707	0.831	
	N25	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI4/9	376500	1882.5	23.98	24.70	1.180	0.08	0.424	0.500	
	N25	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI4/9	376500	1882.5	23.98	24.70	1.180	0.06	0.569	0.672	
	N25	40M	BPSK	216	0	DFT-15	Back	15mm	Ant 1	DSI4/9	376500	1882.5	23.40	24.20	1.202	0.01	0.520	0.625	
	N25	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI4/9	376500	1882.5	21.89	22.70	1.205	0.11	0.063	0.076	
	N25	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI4/9	376500	1882.5	21.89	22.70	1.205	-0.15	0.216	0.260	
	N25	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI4/9	376500	1882.5	21.88	22.70	1.208	-0.11	0.050	0.060	
	N25	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI4/9	376500	1882.5	21.88	22.70	1.208	-0.14	0.156	0.188	
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 0	DSI4/9	518598	2592.99	22.59	23.40	1.205	-0.13	0.205	0.247	
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 0	DSI4/9	518598	2592.99	22.59	23.40	1.205	-0.07	0.311	0.375	
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 0	DSI4/9	518598	2592.99	22.54	23.40	1.219	0.14	0.193	0.235	
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 0	DSI4/9	518598	2592.99	22.54	23.40	1.219	-0.12	0.258	0.314	
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI4	518598	2592.99	22.17	22.90	1.183	-0.01	0.244	0.289	
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	22.17	22.90	1.183	0.13	0.321	0.380	
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI4	518598	2592.99	22.11	22.90	1.199	-0.09	0.233	0.279	
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	22.11	22.90	1.199	0.14	0.271	0.325	
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI9	518598	2592.99	21.21	21.90	1.172	-0.01	0.196	0.230	
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI9	518598	2592.99	21.21	21.90	1.172	0.13	0.258	0.302	
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI9	518598	2592.99	21.16	21.90	1.186	-0.09	0.187	0.222	
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI9	518598	2592.99	21.16	21.90	1.186	0.14	0.218	0.258	
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI4/9	518598	2592.99	15.33	16.20	1.222	-0.16	0.052	0.064	
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI4/9	518598	2592.99	15.33	16.20	1.222	-0.03	0.105	0.128	
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI4/9	518598	2592.99	15.30	16.20	1.230	-0.05	0.045	0.055	
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI4/9	518598	2592.99	15.30	16.20	1.230	0.04	0.074	0.091	
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	518598	2592.99	18.30	19.20	1.230	0.11	0.063	0.078	
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	518598	2592.99	18.30	19.20	1.230	0.03	0.221	0.272	
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	518598	2592.99	18.24	19.20	1.247	-0.08	0.057	0.071	
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	518598	2592.99	18.24	19.20	1.247	0.06	0.155	0.193	
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	518598	2592.99	16.33	17.20	1.222	0.11	0.040	0.049	



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	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	518598	2592.99	16.33	17.20	1.222	0.03	0.141	0.172
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	518598	2592.99	16.15	17.20	1.274	-0.08	0.035	0.045
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	518598	2592.99	16.15	17.20	1.274	0.06	0.095	0.121
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 0	DSI4/9	518598	2592.99	25.23	26.40	1.309	0.11	0.313	0.410
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 0	DSI4/9	518598	2592.99	25.23	26.40	1.309	0.15	0.561	0.734
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 0	DSI4/9	518598	2592.99	25.18	26.40	1.324	0.16	0.298	0.395
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 0	DSI4/9	518598	2592.99	25.18	26.40	1.324	0.11	0.467	0.618
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 0	DSI4/9	518598	2592.99	25.15	25.90	1.189	0.03	0.420	0.499
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI4	518598	2592.99	24.89	25.90	1.262	-0.14	0.426	0.538
67	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	24.89	25.90	1.262	-0.08	0.583	0.736
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI4	518598	2592.99	24.88	25.90	1.265	0	0.419	0.530
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	24.88	25.90	1.265	-0.13	0.441	0.558
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	24.65	25.90	1.334	0.03	0.421	0.561
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI9	518598	2592.99	23.88	24.90	1.265	-0.14	0.329	0.416
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI9	518598	2592.99	23.88	24.90	1.265	-0.08	0.357	0.452
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI9	518598	2592.99	23.83	24.90	1.279	0	0.325	0.416
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI9	518598	2592.99	23.83	24.90	1.279	-0.13	0.343	0.439
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI4/9	518598	2592.99	18.12	19.20	1.282	0.08	0.098	0.126
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI4/9	518598	2592.99	18.12	19.20	1.282	0.12	0.191	0.245
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI4/9	518598	2592.99	18.02	19.20	1.312	-0.1	0.071	0.093
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI4/9	518598	2592.99	18.02	19.20	1.312	-0.14	0.125	0.164
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	518598	2592.99	21.39	22.20	1.205	-0.07	0.117	0.141
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	518598	2592.99	21.39	22.20	1.205	0.13	0.419	0.505
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	518598	2592.99	21.33	22.20	1.222	0.05	0.113	0.138
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	518598	2592.99	21.33	22.20	1.222	0.11	0.329	0.402
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	518598	2592.99	19.34	20.20	1.219	-0.07	0.073	0.089
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	518598	2592.99	19.34	20.20	1.219	0.13	0.259	0.316
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	518598	2592.99	19.17	20.20	1.268	0.05	0.069	0.087
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	518598	2592.99	19.17	20.20	1.268	0.11	0.178	0.226
3000MHz-4000MHz																		
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI4	656000	3840	10.17	11.20	1.268	-0.12	0.022	0.028
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI4	656000	3840	10.17	11.20	1.268	-0.14	0.044	0.056
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI4	656000	3840	10.11	11.20	1.285	-0.1	0.021	0.027
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI4	656000	3840	10.11	11.20	1.285	-0.14	0.041	0.053
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI4	633334	3500.01	10.67	11.20	1.130	0.15	0.041	0.046
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI4	633334	3500.01	10.67	11.20	1.130	-0.1	0.081	0.092
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI4	633334	3500.01	10.63	11.20	1.140	-0.03	0.040	0.046
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI4	633334	3500.01	10.63	11.20	1.140	-0.01	0.074	0.084
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI9	656000	3840	10.17	10.70	1.130	0.11	0.019	0.021
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI9	656000	3840	10.17	10.70	1.130	0.05	0.035	0.040
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI9	656000	3840	10.11	10.70	1.146	-0.09	0.018	0.021
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI9	656000	3840	10.11	10.70	1.146	-0.11	0.033	0.038
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI9	633334	3500.01	10.14	10.70	1.138	-0.04	0.036	0.041
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI9	633334	3500.01	10.14	10.70	1.138	0	0.071	0.081
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI9	633334	3500.01	10.12	10.70	1.143	0.14	0.035	0.040
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI9	633334	3500.01	10.12	10.70	1.143	0.1	0.065	0.074
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	656000	3840	14.38	15.20	1.208	0.12	0.025	0.030
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	656000	3840	14.38	15.20	1.208	-0.09	0.338	0.408
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	656000	3840	14.30	15.20	1.230	-0.14	0.021	0.026
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	656000	3840	14.30	15.20	1.230	-0.14	0.312	0.384
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	633334	3500.01	14.14	15.20	1.276	0.1	0.014	0.018
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	633334	3500.01	14.14	15.20	1.276	0.07	0.114	0.146
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	633334	3500.01	13.98	15.20	1.324	0.15	0.016	0.021
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	633334	3500.01	13.98	15.20	1.324	0.05	0.116	0.154
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	656000	3840	12.38	13.20	1.208	-0.06	0.016	0.019
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	656000	3840	12.38	13.20	1.208	-0.07	0.213	0.257



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	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	656000	3840	12.29	13.20	1.233	0.16	0.013	0.016
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	656000	3840	12.29	13.20	1.233	0.15	0.197	0.243
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	633334	3500.01	12.19	13.20	1.262	-0.09	0.009	0.011
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	633334	3500.01	12.19	13.20	1.262	-0.04	0.072	0.091
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	633334	3500.01	12.05	13.20	1.303	0.11	0.010	0.013
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	633334	3500.01	12.05	13.20	1.303	0.14	0.075	0.098
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI4	656000	3840	17.32	18.20	1.225	-0.01	0.043	0.053
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI4	656000	3840	17.32	18.20	1.225	-0.07	0.072	0.088
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI4	656000	3840	17.19	18.20	1.262	0.15	0.041	0.052
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI4	656000	3840	17.19	18.20	1.262	0.01	0.071	0.090
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI4	633334	3500.01	17.26	18.20	1.242	-0.15	0.029	0.036
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI4	633334	3500.01	17.26	18.20	1.242	0.15	0.068	0.084
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI4	633334	3500.01	17.14	18.20	1.276	0.16	0.025	0.032
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI4	633334	3500.01	17.14	18.20	1.276	0	0.067	0.086
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI9	656000	3840	16.28	17.20	1.236	-0.06	0.035	0.043
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI9	656000	3840	16.28	17.20	1.236	0.1	0.057	0.070
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI9	656000	3840	16.26	17.20	1.242	0.16	0.033	0.041
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI9	656000	3840	16.26	17.20	1.242	-0.07	0.056	0.070
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI9	633334	3500.01	16.21	17.20	1.256	0.09	0.022	0.028
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI9	633334	3500.01	16.21	17.20	1.256	-0.14	0.055	0.069
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI9	633334	3500.01	16.10	17.20	1.288	0.13	0.019	0.024
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI9	633334	3500.01	16.10	17.20	1.288	0.15	0.054	0.070
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI4	656000	3840	17.98	18.70	1.180	-0.01	0.130	0.153
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI4	656000	3840	17.98	18.70	1.180	-0.05	0.221	0.261
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI4	656000	3840	17.97	18.70	1.183	0.15	0.119	0.141
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI4	656000	3840	17.97	18.70	1.183	-0.08	0.158	0.187
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI4	633334	3500.01	17.82	18.70	1.225	-0.06	0.068	0.083
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI4	633334	3500.01	17.82	18.70	1.225	0.12	0.109	0.133
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI4	633334	3500.01	17.73	18.70	1.250	0.15	0.067	0.084
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI4	633334	3500.01	17.73	18.70	1.250	0.08	0.106	0.133
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI9	656000	3840	17.03	17.70	1.167	0.09	0.103	0.120
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI9	656000	3840	17.03	17.70	1.167	-0.08	0.175	0.204
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI9	656000	3840	16.96	17.70	1.186	-0.04	0.094	0.111
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI9	656000	3840	16.96	17.70	1.186	0.16	0.125	0.148
	N77	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI9	633334	3500.01	16.86	17.70	1.213	0.16	0.053	0.064
	N77	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI9	633334	3500.01	16.86	17.70	1.213	0.04	0.085	0.103
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI9	633334	3500.01	16.80	17.70	1.230	-0.08	0.052	0.064
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI9	633334	3500.01	16.80	17.70	1.230	0.12	0.082	0.101
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI4	656000	3840	13.18	14.20	1.265	-0.01	0.039	0.049
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI4	656000	3840	13.18	14.20	1.265	-0.06	0.069	0.087
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI4	656000	3840	13.10	14.20	1.288	-0.16	0.044	0.057
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI4	656000	3840	13.10	14.20	1.288	-0.03	0.079	0.102
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI4	633334	3500.01	13.66	14.20	1.132	0.1	0.039	0.044
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI4	633334	3500.01	13.66	14.20	1.132	0.14	0.098	0.111
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI4	633334	3500.01	13.60	14.20	1.148	0.02	0.046	0.053
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI4	633334	3500.01	13.60	14.20	1.148	0.11	0.126	0.145
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI9	656000	3840	12.71	13.70	1.256	-0.01	0.035	0.044
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI9	656000	3840	12.71	13.70	1.256	-0.06	0.061	0.077
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI9	656000	3840	12.63	13.70	1.279	-0.16	0.039	0.050
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI9	656000	3840	12.63	13.70	1.279	-0.03	0.070	0.090
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI9	633334	3500.01	13.13	13.70	1.140	0.1	0.035	0.040
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI9	633334	3500.01	13.13	13.70	1.140	0.14	0.087	0.099
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI9	633334	3500.01	13.08	13.70	1.153	0.02	0.041	0.047
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI9	633334	3500.01	13.08	13.70	1.153	0.11	0.112	0.129
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	656000	3840	17.35	18.20	1.216	-0.03	0.064	0.078
68	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	656000	3840	17.35	18.20	1.216	-0.16	0.704	0.856



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N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	656000	3840	17.31	18.20	1.227	-0.08	0.063	0.077
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	656000	3840	17.31	18.20	1.227	-0.09	0.670	0.822
N77 (HPUE)	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 4	DSI4	656000	3840	17.29	18.20	1.233	-0.09	0.661	0.815
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	633334	3500.01	17.19	18.20	1.262	-0.05	0.029	0.037
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	633334	3500.01	17.19	18.20	1.262	0.13	0.286	0.361
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	633334	3500.01	16.97	18.20	1.327	0.11	0.026	0.035
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	633334	3500.01	16.97	18.20	1.327	-0.12	0.267	0.354
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	656000	3840	15.38	16.20	1.208	0.05	0.040	0.048
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	656000	3840	15.38	16.20	1.208	-0.02	0.447	0.540
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	656000	3840	15.24	16.20	1.247	0.02	0.039	0.049
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	656000	3840	15.24	16.20	1.247	0.15	0.431	0.538
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	633334	3500.01	15.17	16.20	1.268	-0.14	0.018	0.023
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	633334	3500.01	15.17	16.20	1.268	-0.16	0.179	0.227
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	633334	3500.01	14.97	16.20	1.327	-0.07	0.016	0.021
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	633334	3500.01	14.97	16.20	1.327	-0.13	0.169	0.224
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI4	656000	3840	20.32	21.20	1.225	-0.1	0.086	0.105
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI4	656000	3840	20.32	21.20	1.225	-0.02	0.144	0.176
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI4	656000	3840	20.18	21.20	1.265	-0.15	0.082	0.104
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI4	656000	3840	20.18	21.20	1.265	0.09	0.142	0.180
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI4	633334	3500.01	20.26	21.20	1.242	0.09	0.058	0.072
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI4	633334	3500.01	20.26	21.20	1.242	0.07	0.136	0.169
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI4	633334	3500.01	20.12	21.20	1.282	-0.08	0.050	0.064
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI4	633334	3500.01	20.12	21.20	1.282	0.11	0.134	0.172
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI9	656000	3840	19.30	20.20	1.230	-0.1	0.070	0.086
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI9	656000	3840	19.30	20.20	1.230	-0.02	0.114	0.140
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI9	656000	3840	19.22	20.20	1.253	-0.15	0.066	0.083
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI9	656000	3840	19.22	20.20	1.253	0.09	0.112	0.140
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI9	633334	3500.01	19.24	20.20	1.247	0.09	0.044	0.055
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI9	633334	3500.01	19.24	20.20	1.247	0.07	0.110	0.137
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI9	633334	3500.01	19.11	20.20	1.285	-0.08	0.038	0.049
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI9	633334	3500.01	19.11	20.20	1.285	0.11	0.108	0.139
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI4	656000	3840	21.03	21.70	1.167	0.16	0.252	0.294
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI4	656000	3840	21.03	21.70	1.167	-0.02	0.455	0.531
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI4	656000	3840	21.00	21.70	1.175	-0.16	0.244	0.287
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI4	656000	3840	21.00	21.70	1.175	0.06	0.431	0.506
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI4	633334	3500.01	20.83	21.70	1.222	-0.12	0.151	0.184
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI4	633334	3500.01	20.83	21.70	1.222	0.15	0.254	0.310
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI4	633334	3500.01	20.73	21.70	1.250	0.07	0.142	0.178
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI4	633334	3500.01	20.73	21.70	1.250	-0.09	0.239	0.299
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI9	656000	3840	19.93	20.70	1.194	0.16	0.200	0.239
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI9	656000	3840	19.93	20.70	1.194	-0.02	0.361	0.431
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI9	656000	3840	19.82	20.70	1.225	-0.16	0.194	0.238
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI9	656000	3840	19.82	20.70	1.225	0.06	0.342	0.419
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI9	633334	3500.01	19.86	20.70	1.213	-0.12	0.120	0.146
N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI9	633334	3500.01	19.86	20.70	1.213	0.15	0.202	0.245
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI9	633334	3500.01	19.73	20.70	1.250	0.07	0.113	0.141
N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI9	633334	3500.01	19.73	20.70	1.250	-0.09	0.190	0.238



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.18	0.015	0.028
69	Bluetooth	DH5 1Mbps	Back	15mm	Ant 7	Full	78	2480	10.33	12.00	1.469	77.07	1.298	0.05	0.017	0.033
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7	Full	6	2437	22.06	23.00	1.242	99.64	1.004	-0.16	0.279	0.348
70	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7	Full	6	2437	22.06	23.00	1.242	99.64	1.004	-0.07	0.331	0.413
5000MHz-6000MHz																
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7	Standalone	54	5270	17.80	19.00	1.318	95.59	1.046	-0.12	0.271	0.374
71	WLAN5.3GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7	Standalone	54	5270	17.80	19.00	1.318	95.59	1.046	-0.05	0.592	0.816
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7	Standalone	62	5310	13.94	15.00	1.276	95.59	1.046	-0.07	0.257	0.343
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7	Simultaneous	54	5270	15.67	17.00	1.358	88.89	1.125	-0.04	0.158	0.241
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7	Simultaneous	54	5270	15.67	17.00	1.358	88.89	1.125	-0.05	0.326	0.498
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7	Standalone	122	5610	16.63	18.50	1.538	88.89	1.125	0.16	0.244	0.422
72	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7	Standalone	122	5610	16.63	18.50	1.538	88.89	1.125	-0.11	0.592	1.024
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7	Standalone	106	5530	10.17	11.50	1.358	88.89	1.125	-0.02	0.130	0.199
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7	Simultaneous	122	5610	13.59	15.50	1.552	88.89	1.125	-0.16	0.111	0.194
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7	Simultaneous	122	5610	13.59	15.50	1.552	88.89	1.125	-0.05	0.235	0.410
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7	Standalone	159	5795	17.76	19.00	1.330	95.59	1.046	-0.06	0.218	0.303
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7	Standalone	159	5795	17.76	19.00	1.330	95.59	1.046	0.01	0.650	0.905
73	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7	Standalone	151	5755	17.64	19.00	1.368	95.59	1.046	-0.11	0.686	0.981
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7	Simultaneous	155	5775	14.76	16.50	1.493	88.89	1.125	0.15	0.116	0.195
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7	Simultaneous	155	5775	14.76	16.50	1.493	88.89	1.125	-0.12	0.274	0.460



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
ENDC																			
750MHz																			
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Front	15mm	Ant 0	DSI4/9	23095	707.5	24.10	24.80	1.175	-0.12	0.174	0.204	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Back	15mm	Ant 0	DSI4/9	23095	707.5	24.10	24.80	1.175	-0.04	0.214	0.251	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI4/9	23095	707.5	22.99	23.80	1.205	0.05	0.142	0.171	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI4/9	23095	707.5	22.99	23.80	1.205	-0.05	0.181	0.218	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Front	15mm	Ant 1	DSI4/9	23095	707.5	24.02	24.80	1.197	0.03	0.203	0.243	
	LTE Band 12(ENDC)	10M	QPSK	1	25	-	Back	15mm	Ant 1	DSI4/9	23095	707.5	24.02	24.80	1.197	-0.1	0.213	0.255	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI4/9	23095	707.5	22.85	23.80	1.245	-0.16	0.154	0.192	
	LTE Band 12(ENDC)	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI4/9	23095	707.5	22.85	23.80	1.245	0.13	0.171	0.213	
1750MHz																			
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 0	DSI4	132322	1745	20.50	21.30	1.202	0.07	0.127	0.153	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 0	DSI4	132322	1745	20.50	21.30	1.202	0.11	0.296	0.356	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4	132322	1745	20.45	21.30	1.216	0.06	0.121	0.147	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4	132322	1745	20.45	21.30	1.216	0	0.248	0.302	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 0	DSI9	132322	1745	20.02	20.80	1.197	0.15	0.114	0.136	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 0	DSI9	132322	1745	20.02	20.80	1.197	-0.08	0.224	0.268	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI9	132322	1745	20.00	20.80	1.202	-0.14	0.110	0.132	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI9	132322	1745	20.00	20.80	1.202	0.08	0.222	0.267	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI4	132322	1745	22.33	23.30	1.250	-0.11	0.354	0.443	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4	132322	1745	22.33	23.30	1.250	-0.05	0.495	0.619	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI4	132322	1745	21.64	22.30	1.164	-0.02	0.291	0.339	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI4	132322	1745	21.64	22.30	1.164	-0.16	0.377	0.439	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI9	132322	1745	19.86	20.80	1.242	-0.11	0.210	0.261	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI9	132322	1745	19.86	20.80	1.242	-0.03	0.268	0.333	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI9	132322	1745	19.82	20.80	1.253	-0.03	0.204	0.256	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI9	132322	1745	19.82	20.80	1.253	-0.07	0.262	0.328	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI4/9	132322	1745	20.35	21.30	1.245	-0.12	0.002	0.002	
	LTE Band 66(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI4/9	132322	1745	20.35	21.30	1.245	0.11	0.008	0.010	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI4/9	132322	1745	20.25	21.30	1.274	0.13	0.002	0.003	
	LTE Band 66(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4/9	132322	1745	20.25	21.30	1.274	0.06	0.007	0.009	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 0	DSI4/9	18900	1880	21.53	22.30	1.194	0.02	0.130	0.155	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 0	DSI4/9	18900	1880	21.53	22.30	1.194	0.05	0.219	0.261	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4/9	18900	1880	21.51	22.30	1.199	-0.06	0.141	0.169	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4/9	18900	1880	21.51	22.30	1.199	0.01	0.309	0.371	
1900MHz																			
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI4	18900	1880	22.51	23.30	1.199	-0.04	0.242	0.290	
74	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI4	18900	1880	22.51	23.30	1.199	-0.06	0.533	0.639	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI4	18900	1880	21.45	22.30	1.216	-0.03	0.200	0.243	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI4	18900	1880	21.45	22.30	1.216	0.12	0.334	0.406	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 1	DSI9	18900	1880	20.02	20.80	1.197	0.04	0.148	0.177	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 1	DSI9	18900	1880	20.02	20.80	1.197	0.14	0.201	0.241	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI9	18900	1880	19.93	20.80	1.222	0.15	0.137	0.167	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI9	18900	1880	19.93	20.80	1.222	0.01	0.190	0.232	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI4/9	18900	1880	18.49	19.80	1.352	0.15	0.023	0.031	
	LTE Band 2(ENDC)	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI4/9	18900	1880	18.49	19.80	1.352	-0.11	0.057	0.077	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI4/9	18900	1880	18.41	19.80	1.377	0.09	0.018	0.025	
	LTE Band 2(ENDC)	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4/9	18900	1880	18.41	19.80	1.377	-0.04	0.053	0.073	
NSA																			
750MHz																			
	N71_NSA	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI4/9	136100	680.5	24.21	25.20	1.256	0.05	0.109	0.137	
	N71_NSA	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI4/9	136100	680.5	24.21	25.20	1.256	0.08	0.136	0.171	
	N71_NSA	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI4/9	136100	680.5	24.20	25.20	1.259	0.07	0.101	0.127	



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N71_NSA	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI4/9	136100	680.5	24.20	25.20	1.259	0.03	0.134	0.169
N71_NSA	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 1	DSI4/9	136100	680.5	24.19	25.20	1.262	-0.08	0.186	0.235
N71_NSA	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 1	DSI4/9	136100	680.5	24.19	25.20	1.262	-0.03	0.213	0.269
N71_NSA	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 1	DSI4/9	136100	680.5	24.18	25.20	1.265	0.04	0.182	0.230
N71_NSA	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 1	DSI4/9	136100	680.5	24.18	25.20	1.265	-0.06	0.210	0.266
1750MHz																	
N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI4	349000	1745	23.77	24.70	1.239	-0.01	0.276	0.342
N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI4	349000	1745	23.77	24.70	1.239	0.15	0.464	0.575
N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI4	349000	1745	23.71	24.70	1.256	0.14	0.282	0.354
N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI4	349000	1745	23.71	24.70	1.256	-0.1	0.557	0.700
N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI9	349000	1745	22.12	23.20	1.282	0.11	0.193	0.247
N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI9	349000	1745	22.12	23.20	1.282	-0.03	0.319	0.409
N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI9	349000	1745	22.06	23.20	1.300	-0.03	0.195	0.254
N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI9	349000	1745	22.06	23.20	1.300	0.14	0.336	0.437
N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI4/9	349000	1745	23.82	24.70	1.225	-0.12	0.157	0.192
N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI4/9	349000	1745	23.82	24.70	1.225	-0.1	0.225	0.276
N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI4/9	349000	1745	23.81	24.70	1.227	0.05	0.145	0.178
N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI4/9	349000	1745	23.81	24.70	1.227	-0.1	0.216	0.265
N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI4	349000	1745	22.52	23.70	1.312	-0.15	0.003	0.004
N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI4	349000	1745	22.52	23.70	1.312	-0.04	0.010	0.014
N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI4	349000	1745	22.47	23.70	1.327	0.07	0.003	0.004
N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI4	349000	1745	22.47	23.70	1.327	-0.08	0.007	0.009
N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI9	349000	1745	22.07	23.20	1.297	0.12	0.002	0.003
N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI9	349000	1745	22.07	23.20	1.297	0.06	0.008	0.010
N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI9	349000	1745	22.01	23.20	1.315	-0.07	0.002	0.003
N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI9	349000	1745	22.01	23.20	1.315	-0.07	0.005	0.007
1900MHz																	
N25_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI4	376500	1882.5	23.77	24.70	1.239	0.06	0.218	0.270
N25_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI4	376500	1882.5	23.77	24.70	1.239	0.1	0.494	0.612
N25_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI4	376500	1882.5	23.74	24.70	1.247	-0.04	0.210	0.262
N25_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI4	376500	1882.5	23.74	24.70	1.247	-0.11	0.372	0.464
N25_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI9	376500	1882.5	23.02	24.20	1.312	0.15	0.184	0.241
N25_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI9	376500	1882.5	23.02	24.20	1.312	0.07	0.412	0.541
N25_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI9	376500	1882.5	23.01	24.20	1.315	-0.11	0.175	0.230
N25_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI9	376500	1882.5	23.01	24.20	1.315	-0.15	0.327	0.430
N25_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI4	376500	1882.5	23.98	24.70	1.180	0.05	0.385	0.454
N25_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI4	376500	1882.5	23.98	24.70	1.180	0.16	0.531	0.627
N25_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI4	376500	1882.5	23.83	24.70	1.222	0.05	0.395	0.483
N25_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI4	376500	1882.5	23.83	24.70	1.222	-0.1	0.539	0.659
N25_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI9	376500	1882.5	22.28	23.20	1.236	-0.14	0.269	0.332
N25_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI9	376500	1882.5	22.28	23.20	1.236	-0.14	0.397	0.491
N25_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI9	376500	1882.5	22.13	23.20	1.279	-0.15	0.276	0.353
N25_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI9	376500	1882.5	22.13	23.20	1.279	0.14	0.396	0.507
N25_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI4	376500	1882.5	20.70	21.20	1.122	-0.06	0.031	0.035
N25_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI4	376500	1882.5	20.70	21.20	1.122	-0.05	0.100	0.112
N25_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI4	376500	1882.5	20.55	21.20	1.161	-0.02	0.039	0.045
N25_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI4	376500	1882.5	20.55	21.20	1.161	0	0.136	0.158
N25_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI9	376500	1882.5	18.69	19.20	1.125	-0.01	0.020	0.022
N25_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI9	376500	1882.5	18.69	19.20	1.125	0.06	0.063	0.071
N25_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI9	376500	1882.5	18.68	19.20	1.127	-0.08	0.025	0.028
N25_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI9	376500	1882.5	18.68	19.20	1.127	0.09	0.071	0.080
2600MHz																	
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 0	DSI4	518598	2592.99	25.45	26.40	1.245	0.03	0.361	0.449
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 0	DSI4	518598	2592.99	25.45	26.40	1.245	0.13	0.478	0.595
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 0	DSI4	518598	2592.99	25.42	26.40	1.253	0.03	0.368	0.461
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 0	DSI4	518598	2592.99	25.42	26.40	1.253	0.14	0.472	0.591



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N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 0	DSI9	518598	2592.99	24.90	25.90	1.259	0.03	0.362	0.456
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 0	DSI9	518598	2592.99	24.90	25.90	1.259	-0.1	0.451	0.568
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 0	DSI9	518598	2592.99	24.87	25.90	1.268	-0.03	0.356	0.451
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 0	DSI9	518598	2592.99	24.87	25.90	1.268	-0.08	0.449	0.569
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI4	518598	2592.99	24.37	24.90	1.130	0.12	0.356	0.402
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	24.37	24.90	1.130	0.14	0.452	0.511
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI4	518598	2592.99	24.36	24.90	1.132	0.07	0.352	0.399
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI4	518598	2592.99	24.36	24.90	1.132	0.16	0.398	0.451
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI9	518598	2592.99	21.09	21.90	1.205	-0.01	0.178	0.214
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI9	518598	2592.99	21.09	21.90	1.205	0.05	0.208	0.251
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI9	518598	2592.99	20.98	21.90	1.236	0.09	0.170	0.210
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI9	518598	2592.99	20.98	21.90	1.236	-0.06	0.202	0.250
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI4	518598	2592.99	19.84	20.70	1.219	-0.1	0.080	0.098
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI4	518598	2592.99	19.84	20.70	1.219	0.02	0.263	0.321
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI4	518598	2592.99	19.83	20.70	1.222	0.03	0.075	0.092
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI4	518598	2592.99	19.83	20.70	1.222	-0.09	0.257	0.314
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI9	518598	2592.99	17.92	18.70	1.197	-0.14	0.051	0.061
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI9	518598	2592.99	17.92	18.70	1.197	0.12	0.148	0.177
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI9	518598	2592.99	17.78	18.70	1.236	0.02	0.048	0.059
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI9	518598	2592.99	17.78	18.70	1.236	-0.14	0.142	0.176



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	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI2	26340	1880	21.58	22.30	1.180	0.08	1.370	1.617
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 0	DSI7	26340	1880	20.60	21.30	1.175	-0.12	1.100	1.292
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI7	26340	1880	20.59	21.30	1.178	0.14	1.090	1.284
	LTE Band 25	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI1	26340	1880	21.50	22.30	1.202	-0.14	2.020	2.429
	LTE Band 25	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI1	26140	1860	21.49	22.30	1.205	-0.1	1.810	2.181
	LTE Band 25	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI1	26590	1905	21.37	22.30	1.239	-0.05	1.800	2.230
79	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI1	26340	1880	21.50	22.30	1.202	0.03	2.320	2.789
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI1	26140	1860	21.49	22.30	1.205	-0.05	2.250	2.711
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI1	26590	1905	21.37	22.30	1.239	-0.08	2.020	2.502
	LTE Band 25	20M	QPSK	1	49	-	Top Side	9mm	Ant 1	DSI4	26340	1880	23.54	24.30	1.191	0.07	0.990	1.179
	LTE Band 25	20M	QPSK	1	49	-	Back	8mm	Ant 1	DSI4	26340	1880	23.54	24.30	1.191	-0.11	0.947	1.128
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	26340	1880	21.48	22.30	1.208	0.11	1.920	2.319
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	26140	1860	21.39	22.30	1.233	-0.07	1.760	2.170
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	26590	1905	21.43	22.30	1.222	0.12	1.700	2.077
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI1	26340	1880	21.48	22.30	1.208	0.06	2.190	2.645
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI1	26140	1860	21.39	22.30	1.233	-0.1	2.240	2.762
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI1	26590	1905	21.43	22.30	1.222	-0.09	1.970	2.407
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI1	26340	1880	21.47	22.30	1.211	0.06	1.960	2.373
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 1	DSI1	26340	1880	21.47	22.30	1.211	0.02	2.110	2.554
	LTE Band 25	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI6	26340	1880	19.51	20.30	1.199	0.15	1.110	1.331
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI6	26340	1880	19.51	20.30	1.199	-0.08	1.420	1.703
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	26340	1880	19.50	20.30	1.202	0.01	1.200	1.443
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	26340	1880	19.50	20.30	1.202	0.06	1.500	1.803
2600MHz																		
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI1	21100	2535	22.40	22.60	1.047	-0.03	2.120	2.220
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI1	20850	2510	22.34	22.60	1.062	0.13	2.280	2.421
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI1	21350	2560	22.34	22.60	1.062	0.1	1.990	2.113
	LTE Band 7	20M	QPSK	1	49	-	Top Side	9mm	Ant 1	DSI4	20850	2510	23.33	23.60	1.064	0.05	0.588	0.626
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	21100	2535	22.38	22.60	1.052	0.15	2.150	2.262
80	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	20850	2510	22.35	22.60	1.059	0.14	2.300	2.436
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	21350	2560	22.31	22.60	1.069	0.04	2.090	2.234
	LTE Band 7	20M	QPSK	50	0	-	Top Side	9mm	Ant 1	DSI4	20850	2510	22.27	22.60	1.079	0.14	0.468	0.505
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI1	21100	2535	22.37	22.60	1.054	0.03	2.060	2.172
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI6	21100	2535	20.93	21.10	1.040	-0.01	1.510	1.570
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	21100	2535	20.82	21.10	1.067	0.14	1.580	1.685



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	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	2mm	Ant 1	DSI4	518598	2592.99	24.88	25.90	1.265	0.07	1.560	1.973
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	9mm	Ant 1	DSI4	518598	2592.99	24.88	25.90	1.265	0.1	0.732	0.926
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 1	DSI1	518598	2592.99	19.19	20.40	1.321	-0.11	1.750	2.312
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Front	0mm	Ant 1	DSI6	518598	2592.99	17.40	18.40	1.259	-0.02	0.520	0.655
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 1	DSI6	518598	2592.99	17.40	18.40	1.259	0.1	1.120	1.410
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Left Side	0mm	Ant 1	DSI6	518598	2592.99	17.40	18.40	1.259	0.12	0.312	0.393
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 1	DSI6	518598	2592.99	17.40	18.40	1.259	0.08	0.468	0.589
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 1	DSI6	518598	2592.99	17.35	18.40	1.274	0.09	0.563	0.717
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 1	DSI6	518598	2592.99	17.35	18.40	1.274	-0.12	1.200	1.528
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 1	DSI6	518598	2592.99	17.35	18.40	1.274	-0.05	0.382	0.486
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 1	DSI6	518598	2592.99	17.35	18.40	1.274	-0.07	0.494	0.629
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 1	DSI6	518598	2592.99	17.15	18.40	1.334	-0.08	1.020	1.360
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI4	518598	2592.99	21.39	22.20	1.205	0.03	2.120	2.555
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI4	518598	2592.99	21.33	22.20	1.222	0.16	2.030	2.480
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 4	DSI4	518598	2592.99	21.09	22.20	1.291	0.01	1.940	2.505
	N41 (HPUE)	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI 9	518598	2592.99	19.34	20.20	1.219	-0.15	1.380	1.682
	N41 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI 9	518598	2592.99	19.17	20.20	1.268	-0.1	1.310	1.661
	N41 (HPUE)	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 4	DSI 9	518598	2592.99	19.02	20.20	1.312	0.02	1.260	1.653
3000MHz-4000MHz																		
	N77	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	14.38	15.20	1.208	0.06	1.070	1.292
	N77	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	14.30	15.20	1.230	-0.07	1.130	1.390
	N77	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI 9	656000	3840	12.38	13.20	1.208	-0.08	0.680	0.821
	N77	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI 9	656000	3840	12.29	13.20	1.233	0.15	0.700	0.863
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	17.35	18.20	1.216	0.06	2.140	2.603
84	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	17.31	18.20	1.227	-0.07	2.250	2.762
	N77 (HPUE)	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	17.29	18.20	1.233	0.07	2.120	2.614
	N77 (HPUE)	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI 9	656000	3840	15.38	16.20	1.208	-0.08	1.350	1.631
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI 9	656000	3840	15.24	16.20	1.247	0.15	1.430	1.784
	N77 (HPUE)	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 4	DSI 9	656000	3840	15.08	16.20	1.294	0.09	1.310	1.695



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Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
5000MHz-6000Mhz																
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7	Reduced	46	5230	16.24	17.50	1.337	95.59	1.046	0.12	0.885	1.237
85	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7	Reduced	46	5230	16.24	17.50	1.337	95.59	1.046	0.03	1.370	1.915
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7	Reduced	46	5230	16.24	17.50	1.337	95.59	1.046	-0.06	1.010	1.412
	WLAN5.2GHz	802.11a 6Mbps	Back	8mm	Ant 7	Full	48	5240	18.75	20.00	1.334	97.2	1.029	0.03	0.483	0.663
	WLAN5.2GHz	802.11a 6Mbps	Right Side	7mm	Ant 7	Full	48	5240	18.75	20.00	1.334	97.2	1.029	-0.05	0.708	0.972
	WLAN5.2GHz	802.11a 6Mbps	Top Side	5mm	Ant 7	Full	48	5240	18.75	20.00	1.334	97.2	1.029	0.04	0.814	1.117
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7	Reduced	46	5230	12.18	13.50	1.355	95.59	1.046	0.12	0.322	0.456
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7	Reduced	46	5230	12.18	13.50	1.355	95.59	1.046	0.03	0.526	0.746
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7	Reduced	46	5230	12.18	13.50	1.355	95.59	1.046	-0.06	0.397	0.563
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7	Reduced	54	5270	16.34	17.50	1.306	95.59	1.046	-0.11	0.740	1.011
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7	Reduced	54	5270	16.34	17.50	1.306	95.59	1.046	-0.12	0.908	1.241
86	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7	Reduced	54	5270	16.34	17.50	1.306	95.59	1.046	0.09	1.350	1.844
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7	Reduced	54	5270	16.34	17.50	1.306	95.59	1.046	-0.12	0.889	1.215
	WLAN5.3GHz	802.11a 6Mbps	Front	5mm	Ant 7	Full	60	5300	18.78	20.00	1.324	97.2	1.029	0.06	0.515	0.702
	WLAN5.3GHz	802.11a 6Mbps	Back	8mm	Ant 7	Full	60	5300	18.78	20.00	1.324	97.2	1.029	0.04	0.762	1.038
	WLAN5.3GHz	802.11a 6Mbps	Right Side	7mm	Ant 7	Full	60	5300	18.78	20.00	1.324	97.2	1.029	0.09	1.140	1.554
	WLAN5.3GHz	802.11a 6Mbps	Top Side	5mm	Ant 7	Full	60	5300	18.78	20.00	1.324	97.2	1.029	-0.05	0.858	1.169
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7	Reduced	54	5270	12.39	13.50	1.291	95.59	1.046	-0.11	0.284	0.384
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7	Reduced	54	5270	12.39	13.50	1.291	95.59	1.046	-0.12	0.357	0.482
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7	Reduced	54	5270	12.39	13.50	1.291	95.59	1.046	0.09	0.526	0.710
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7	Reduced	54	5270	12.39	13.50	1.291	95.59	1.046	-0.12	0.389	0.525
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7	Reduced	122	5610	16.17	18.00	1.524	88.89	1.125	0.05	0.510	0.874
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	Reduced	122	5610	16.17	18.00	1.524	88.89	1.125	-0.11	0.963	1.651
87	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	Reduced	122	5610	16.17	18.00	1.524	88.89	1.125	-0.14	1.170	2.006
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7	Reduced	122	5610	16.17	18.00	1.524	88.89	1.125	-0.01	0.991	1.699
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	Reduced	106	5530	10.17	11.50	1.358	88.89	1.125	-0.09	0.267	0.408
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Ant 7	Full	116	5580	18.39	20.00	1.449	97.2	1.029	-0.15	0.377	0.562
	WLAN5.5GHz	802.11a 6Mbps	Back	8mm	Ant 7	Full	116	5580	18.39	20.00	1.449	97.2	1.029	0.13	0.570	0.850
	WLAN5.5GHz	802.11a 6Mbps	Right Side	7mm	Ant 7	Full	116	5580	18.39	20.00	1.449	97.2	1.029	-0.16	0.863	1.287
	WLAN5.5GHz	802.11a 6Mbps	Top Side	5mm	Ant 7	Full	116	5580	18.39	20.00	1.449	97.2	1.029	0.09	0.714	1.064
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7	Reduced	122	5610	11.65	13.50	1.531	88.89	1.125	0.05	0.176	0.303
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	Reduced	122	5610	11.65	13.50	1.531	88.89	1.125	-0.11	0.342	0.589
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	Reduced	122	5610	11.65	13.50	1.531	88.89	1.125	-0.14	0.412	0.710
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7	Reduced	122	5610	11.65	13.50	1.531	88.89	1.125	-0.01	0.349	0.601
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	Reduced	155	5775	16.83	18.50	1.469	88.89	1.125	-0.04	0.817	1.350
88	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	Reduced	155	5775	16.83	18.50	1.469	88.89	1.125	0.01	0.911	1.505
	WLAN5.8GHz	802.11a 6Mbps	Back	8mm	Ant 7	Full	149	5745	18.50	20.00	1.413	97.2	1.029	-0.08	0.483	0.702
	WLAN5.8GHz	802.11a 6Mbps	Right Side	7mm	Ant 7	Full	149	5745	18.50	20.00	1.413	97.2	1.029	-0.02	0.609	0.885
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	Reduced	155	5775	14.76	16.50	1.493	88.89	1.125	0.01	0.537	0.902
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	Reduced	155	5775	14.76	16.50	1.493	88.89	1.125	-0.11	0.571	0.959



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N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 1	DSI1	518598	2592.99	21.09	21.90	1.205	0.03	1.540	1.856
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 1	DSI1	518598	2592.99	20.98	21.90	1.236	0.15	1.860	2.299
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 1	DSI1	518598	2592.99	20.98	21.90	1.236	0.07	1.970	2.435
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 1	DSI1	518598	2592.99	20.98	21.90	1.236	0.11	1.250	1.545
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 1	DSI1	518598	2592.99	20.98	21.90	1.236	-0.12	1.490	1.842
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	5mm	Ant 1	DSI4	518598	2592.99	24.36	24.90	1.132	0.02	0.901	1.020
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	8mm	Ant 1	DSI4	518598	2592.99	24.36	24.90	1.132	-0.16	1.070	1.212
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Side	2mm	Ant 1	DSI4	518598	2592.99	24.36	24.90	1.132	0.12	1.590	1.801
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Top Side	9mm	Ant 1	DSI4	518598	2592.99	24.36	24.90	1.132	-0.05	0.762	0.863
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Front	0mm	Ant 1	DSI1	518598	2592.99	20.74	21.90	1.306	0.02	1.680	2.194
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 1	DSI1	518598	2592.99	20.74	21.90	1.306	0.14	1.850	2.416
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Left Side	0mm	Ant 1	DSI1	518598	2592.99	20.74	21.90	1.306	0.05	1.180	1.541
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Top Side	0mm	Ant 1	DSI1	518598	2592.99	20.74	21.90	1.306	-0.09	1.370	1.789
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Front	0mm	Ant 1	DSI6	518598	2592.99	19.11	19.90	1.199	0.12	1.160	1.391
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 1	DSI6	518598	2592.99	19.11	19.90	1.199	-0.12	1.260	1.511
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Left Side	0mm	Ant 1	DSI6	518598	2592.99	19.11	19.90	1.199	-0.06	0.800	0.960
N41 (HPUE)_NSA	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 1	DSI6	518598	2592.99	19.11	19.90	1.199	0.11	0.970	1.164
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 1	DSI6	518598	2592.99	18.99	19.90	1.233	0.03	1.110	1.369
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 1	DSI6	518598	2592.99	18.99	19.90	1.233	-0.02	1.240	1.529
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 1	DSI6	518598	2592.99	18.99	19.90	1.233	0.16	0.790	0.974
N41 (HPUE)_NSA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 1	DSI6	518598	2592.99	18.99	19.90	1.233	0.09	0.940	1.159
N41 (HPUE)_NSA	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 1	DSI6	518598	2592.99	18.48	19.40	1.236	0.05	1.150	1.421



17.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI5	4132	826.4	22.21	23.30	1.285	0.09	0.909	1	1.168
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI5	4132	826.4	22.21	23.30	1.285	0.06	0.901	1.009	1.158
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	17.35	18.20	1.216	0.16	0.870	1	1.058
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	349000	1745	17.35	18.20	1.216	0.11	0.856	1.016	1.041
	N25	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	16.04	16.70	1.164	-0.08	1.000	1	1.164
	N25	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI5	376500	1882.5	16.04	16.70	1.164	-0.01	0.994	1.006	1.157
	LTE Band 7	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-0.09	0.916	1	0.993
	LTE Band 7	20M	QPSK	1	49	-	Back	10mm	Ant 0	DSI18	21100	2535	23.25	23.60	1.084	-0.01	0.910	1.007	0.986

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI2	1413	1732.6	21.67	22.60	1.239	0.06	2.180	1	2.701
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI2	1413	1732.6	21.67	22.60	1.239	0.04	2.150	1.014	2.663
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI1	26340	1880	21.50	22.30	1.202	0.03	2.320	1	2.789
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI1	26340	1880	21.50	22.30	1.202	0.01	2.290	1.013	2.753
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	20850	2510	22.35	22.60	1.059	0.14	2.300	1	2.436
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI1	20850	2510	22.35	22.60	1.059	0.11	2.280	1.009	2.415
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	17.31	18.20	1.227	-0.07	2.250	1	2.762
	N77 (HPUE)	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI4	656000	3840	17.31	18.20	1.227	0.09	2.210	1.018	2.713

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

18. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	WLAN 5GHz + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, WCDMA, and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. EUT will choose each GSM, WCDMA, LTE and 5G NR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. WWAN above includes 5G NR bands(SA) and EN-DC combination.
4. For 5G NR EN-DC mode, standalone SAR performed for 5G NR band with the maximum power, EN-DC SAR summed 5G NR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
7. WLAN2.4GHz and Bluetooth share the same antenna, and cannot transmit simultaneously.
8. According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
9. According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz cannot transmit simultaneously.
10. For simultaneously analysis, since the SAR summation of 4 transmitters can cover others combination of 2 and 3 transmitters, therefore in this section did not additional to evaluate 2TX and 3TX combination of simultaneously transmission.
11. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
12. All licensed modes share the same antenna part and cannot transmit simultaneously.
13. The Scaled SAR summation is calculated based on the same configuration and test position.
14. WWAN antenna always chose the worst position SAR among all WWAN bands base on head, hotspot, body and extremity to do co-located with WLAN/Bluetooth. It is the most conservatively evaluation.
15. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.



18.1 Head Exposure Conditions

WWAN Band	Exposure Position	1		3		6		9		1+3 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4GHz Ant 7	WLAN5GHz Ant 7	Bluetooth Ant 7	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
WWAN All Bands	Right Cheek	1.033	0.194	0.217	0.111	1.23	1.36				
	Right Tilted	0.948	0.218	0.234	0.106	1.17	1.29				
	Left Cheek	0.848	0.437	0.420	0.301	1.29	1.57				
	Left Tilted	0.945	0.334	0.311	0.212	1.28	1.47				

<EN-DC>

WWAN Band	Exposure Position	1		2		3		6		9		1+2+3 Summed 1g SAR (W/kg)	1+2+6+9 Summed 1g SAR (W/kg)
		WWAN	FR1	WLAN2.4GHz Ant 7	WLAN5GHz Ant 7	Bluetooth Ant 7	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
All LTE Bands	All NR Bands	Right Cheek	0.289	0.601	0.194	0.217	0.111	1.08	1.22				
		Right Tilted	0.328	0.457	0.218	0.234	0.106	1.00	1.13				
		Left Cheek	0.259	0.306	0.437	0.420	0.301	1.00	1.29				
		Left Tilted	0.251	0.269	0.334	0.311	0.212	0.85	1.04				

18.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1		3		6		9		1+3 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4GHz Ant 7	WLAN5GHz Ant 7	Bluetooth Ant 7	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
WWAN All Bands	Front	0.674	0.457	0.271	0.055	1.13	1.00				
	Back	0.993	0.471	0.454	0.078	1.46	1.53				
	Left side	0.514				0.51	0.51				
	Right side	0.506	0.404	0.477	0.066	0.91	1.05				
	Top side	1.041	0.450	0.384	0.032	1.49	1.46				
	Bottom side	1.066				1.07	1.07				

<EN-DC>

WWAN Band	Exposure Position	1		2		3		6		9		1+2+3 Summed 1g SAR (W/kg)	1+2+6+9 Summed 1g SAR (W/kg)
		WWAN	FR1	WLAN2.4GHz Ant 7	WLAN5GHz Ant 7	Bluetooth Ant 7	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
All LTE Bands	All NR Bands	Front	0.230	0.441	0.457	0.271	0.055	1.13	1.00				
		Back	0.285	0.597	0.471	0.454	0.078	1.35	1.41				
		Left side	0.239	0.348				0.59	0.59				
		Right side	0.174	0.210	0.404	0.477	0.066	0.79	0.93				
		Top side	0.344	0.775	0.450	0.384	0.032	1.57	1.54				
		Bottom side	0.295	0.491				0.79	0.79				

18.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	3	6	9	1+3 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4GHz Ant 7	WLAN5GHz Ant 7	Bluetooth Ant 7		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
WWAN All Bands	Front	0.584	0.348	0.241	0.028	0.93	0.85
	Back	0.986	0.413	0.498	0.033	1.40	1.52

<EN-DC>

WWAN Band	Exposure Position	1	2	3	6	9	1+2+3 Summed 1g SAR (W/kg)	1+2+6+9 Summed 1g SAR (W/kg)	
		WWAN	FR1	WLAN2.4GHz Ant 7	WLAN5GHz Ant 7	Bluetooth Ant 7			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
All LTE Bands	All NR Bands	Front	0.261	0.456	0.348	0.241	0.028	1.07	0.99
		Back	0.371	0.569	0.413	0.498	0.033	1.35	1.47

18.4 Product Specific Exposure Conditions

WWAN Band	Exposure Position	1	6	1+6 Summed 10g SAR (W/kg)
		WWAN	WLAN5GHz Ant 7	
		10g SAR (W/kg)	10g SAR (W/kg)	
WWAN All Bands	Front	1.294	0.702	2.00
	Back	2.424	1.038	3.46
	Left side	1.973		1.97
	Right side		1.554	1.55
	Top side	1.688	1.169	2.86
	Bottom side	1.865		1.87

<EN-DC>

WWAN Band	Exposure Position	1	2	6	1+2+6 Summed 10g SAR (W/kg)	
		WWAN	FR1	WLAN5GHz Ant 7		
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
All LTE Bands	All NR Bands	Front			0.702	0.70
		Back	0.579	1.496	1.038	3.11
		Left side	1.801			1.80
		Right side			1.554	1.55
		Top side	0.736		1.169	1.91
		Bottom side		1.026		1.03

Note: 1. For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

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19. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.



20. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [6] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [9] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [10] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [14] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015

-----THE END-----



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz

DUT: D750V3-SN:1099

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

Medium: HSL_750_220228 Medium parameters used: $f = 750$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.534$; $\rho = 1000$ kg/m³

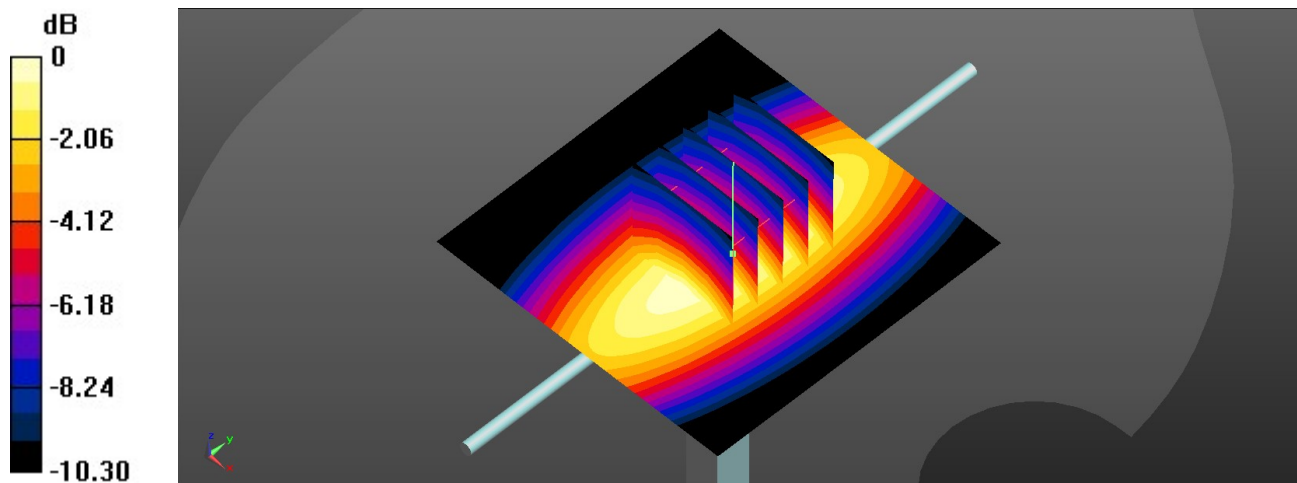
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(10.47, 10.47, 10.47); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.65 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.22 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.34 W/kg
Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.67 W/kg

System Check_Head_750MHz

DUT: D750V3-SN:1099

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

Medium: HSL_750_220311 Medium parameters used: $f = 750$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 40.957$; $\rho = 1000$ kg/m³

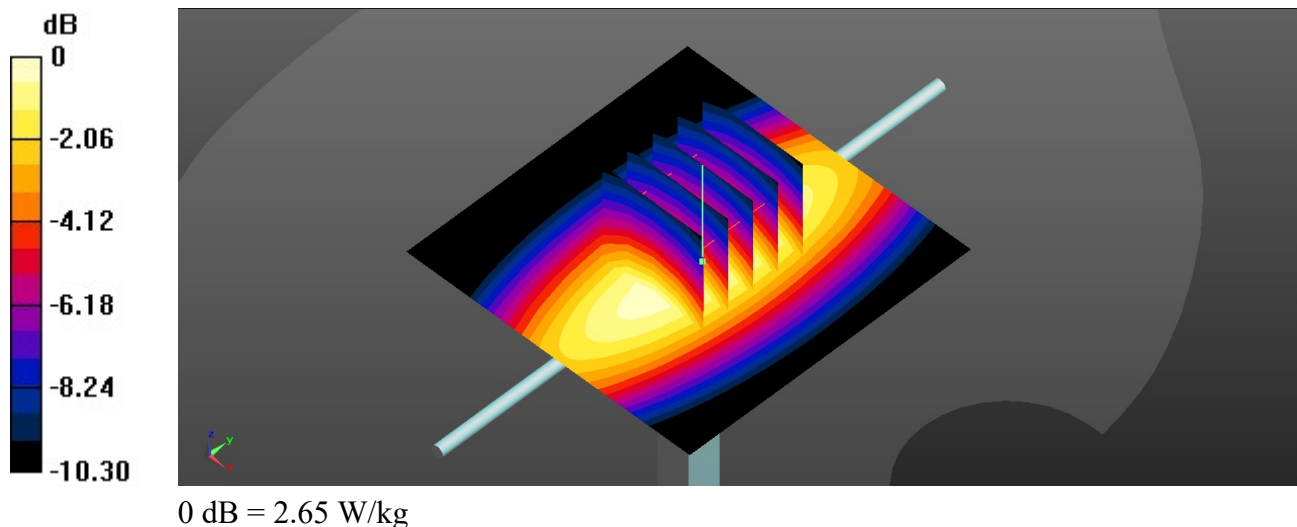
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(10.47, 10.47, 10.47); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.63 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.22 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 1.33 W/kg
Maximum value of SAR (measured) = 2.65 W/kg



System Check_Head_750MHz

DUT: D750V3-SN:1099

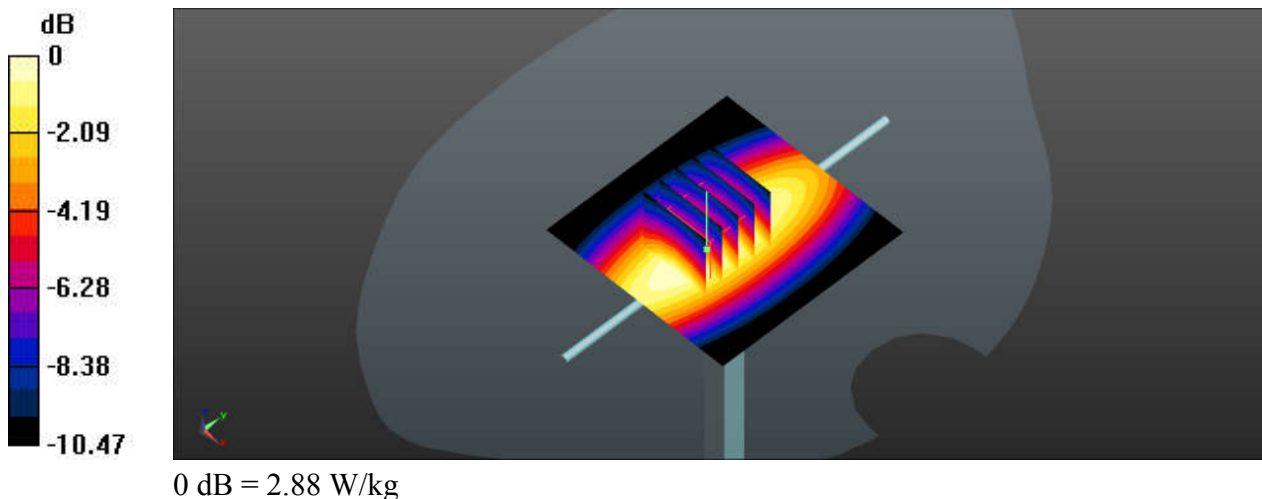
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium: HSL_750_220307 Medium parameters used: $f = 750$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.936$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.79, 9.79, 9.79); Calibrated: 2021/4/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2021/12/29
- Phantom: SAM (30deg probe tilt) with CRP v4.0; Type: QD000P40CC; Serial: TP: 1500
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.06 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 61.89 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.24 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.44 W/kg
Maximum value of SAR (measured) = 2.88 W/kg



System Check_Head_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220301 Medium parameters used: $f = 835$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 40.381$; $\rho = 1000$ kg/m³

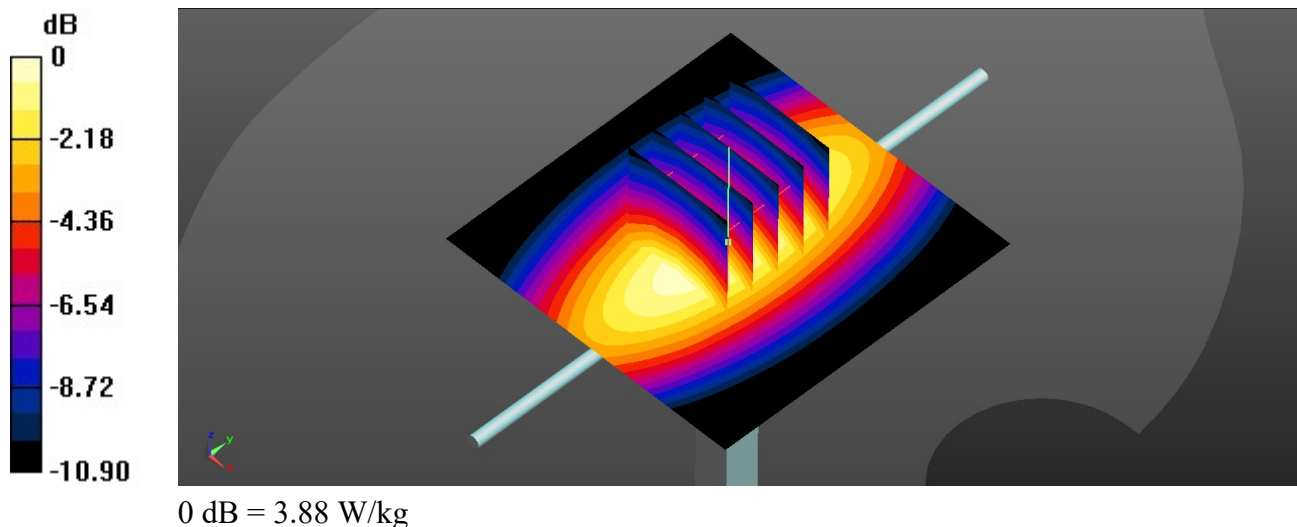
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(10.19, 10.19, 10.19); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.92 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 69.12 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.42 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.52 W/kg
Maximum value of SAR (measured) = 3.88 W/kg



System Check_Head_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220314 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 42.677$; $\rho = 1000 \text{ kg/m}^3$

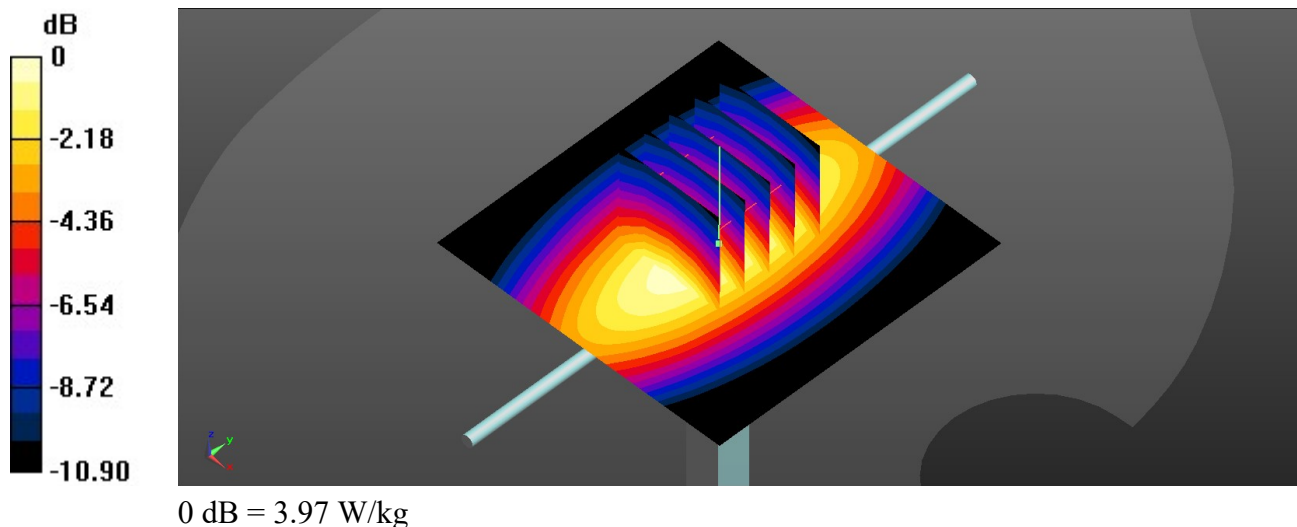
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(10.19, 10.19, 10.19); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.97 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 69.12 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.48 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.62 W/kg
Maximum value of SAR (measured) = 3.93 W/kg



System Check_Head_835MHz

DUT: D835V2-SN:4d162

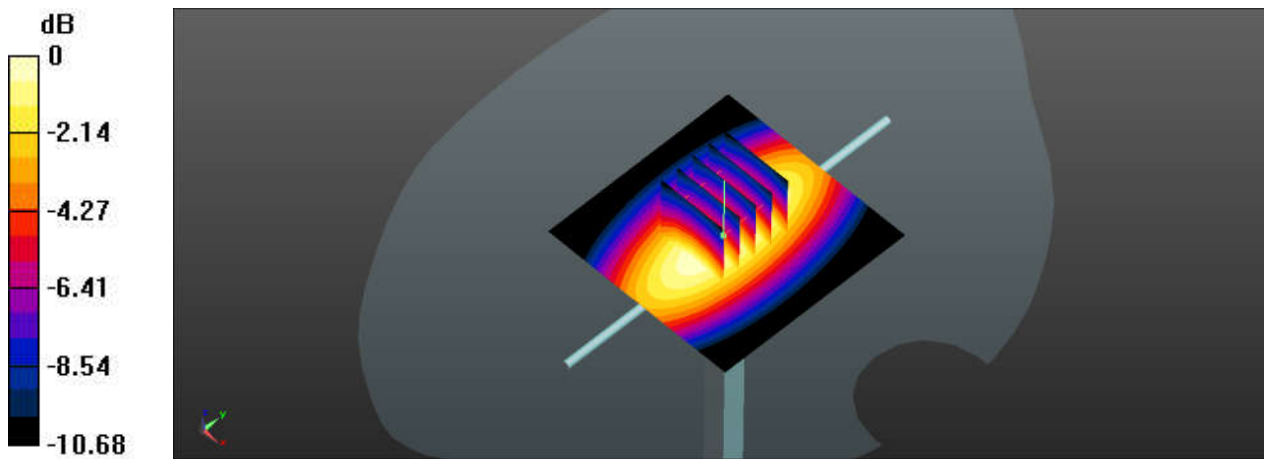
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium: HSL_835_220311 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.919 \text{ S/m}$; $\epsilon_r = 41.524$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2021/4/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2021/12/29
- Phantom: SAM (30deg probe tilt) with CRP v4.0; Type: QD000P40CC; Serial: TP: 1500
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.37 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 63.16 V/m ; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 3.87 W/kg
SAR(1 g) = 2.48 W/kg ; SAR(10 g) = 1.59 W/kg
Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.26 W/kg

System Check_Head_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220301 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 39.708$; $\rho = 1000$ kg/m³

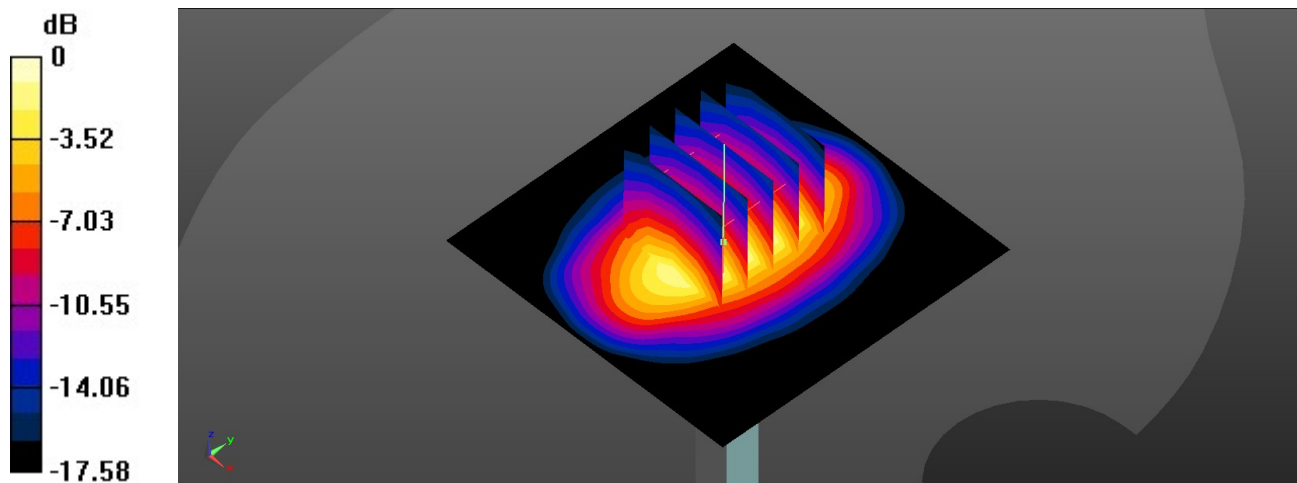
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(8.73, 8.73, 8.73); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 17.1 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 112.8 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 20.4 W/kg
SAR(1 g) = 9.43 W/kg; SAR(10 g) = 4.96 W/kg
Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 17.1 W/kg

System Check_Head_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220315 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 38.395$; $\rho = 1000$ kg/m³

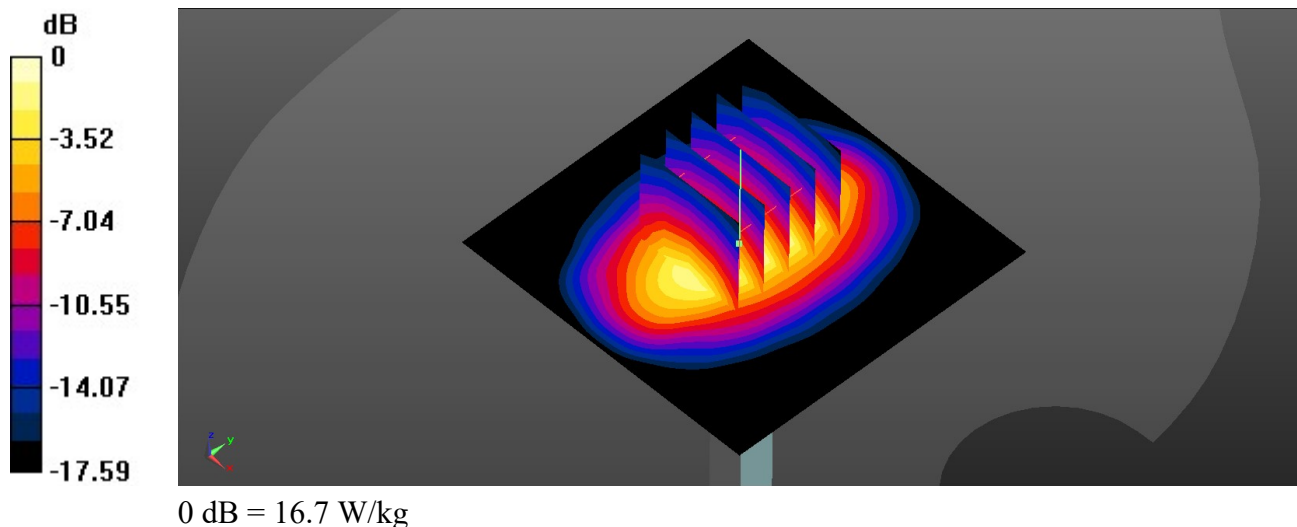
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(8.73, 8.73, 8.73); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 16.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 112.8 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 19.9 W/kg
SAR(1 g) = 9.51 W/kg; SAR(10 g) = 5.11 W/kg
Maximum value of SAR (measured) = 16.5 W/kg



System Check_Head_1750MHz

DUT: D1750V2-SN:1137

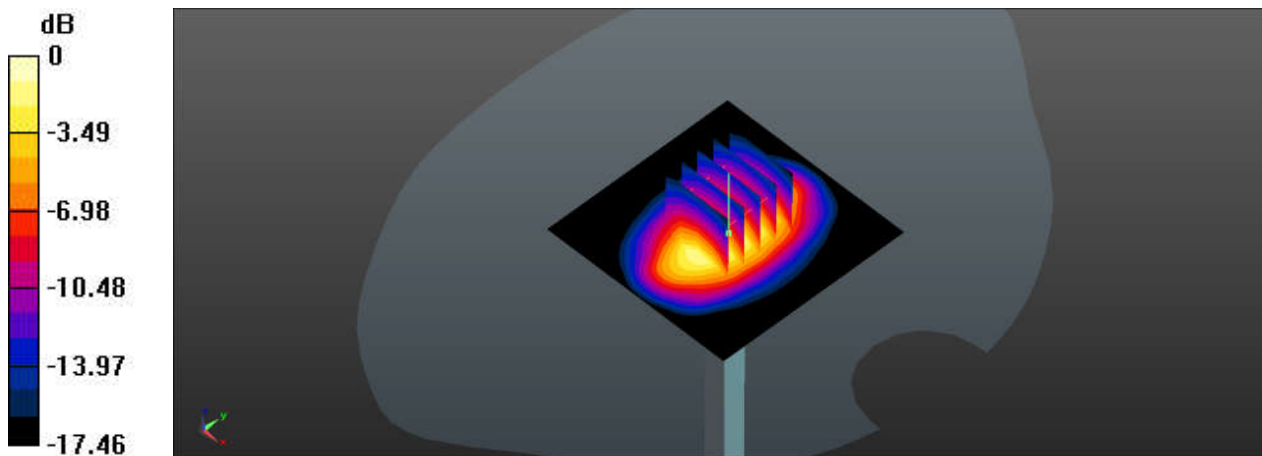
Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: HSL_1750_220309 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 39.895$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.53, 8.53, 8.53); Calibrated: 2021/4/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2021/12/29
- Phantom: SAM (30deg probe tilt) with CRP v4.0; Type: QD000P40CC; Serial: TP: 1500
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 105.4 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 9.26 W/kg; SAR(10 g) = 4.91 W/kg
Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg