



FCC SAR TEST REPORT

Report No. : FA672113

	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	DSI 6	21100	2535	21.85	23.50	1.462	-	-	0.15	0.354	0.518	
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	21.88	23.50	1.452	-	-	-0.01	1.080	1.568	
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	21.85	23.50	1.462	-	-	0.14	0.870	1.272	
	LTE Band 7	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	21100	2535	21.88	23.50	1.452	-	-	-0.04	1.290	1.873	
	LTE Band 7	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	21100	2535	21.85	23.50	1.462	-	-	0.01	0.972	1.421	
	LTE Band 7	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	21100	2535	21.88	23.50	1.452	-	-	0.03	0.659	0.957	
	LTE Band 7	20M	QPSK	50	0	-	Back Left	0mm	Ant 1	DSI 6	21100	2535	21.85	23.50	1.462	-	-	-0.05	0.516	0.754	
	LTE Band 7	20M	QPSK	1	0	-	Front	6mm	Ant 2	DSI 4	21100	2535	23.07	24.00	1.239	-	-	0.05	0.405	0.502	
	LTE Band 7	20M	QPSK	1	0	-	Back	6mm	Ant 2	DSI 4	21100	2535	23.07	24.00	1.239	-	-	0.08	0.538	0.667	
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	7mm	Ant 2	DSI 4	21100	2535	23.07	24.00	1.239	-	-	-0.14	0.697	0.864	
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	21100	2535	21.26	22.10	1.213	-	-	0.01	1.130	1.371	
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	21100	2535	21.24	22.10	1.219	-	-	-0.10	0.914	1.114	
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	21100	2535	21.26	22.10	1.213	-	-	0.00	1.410	1.710	
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	21100	2535	21.24	22.10	1.219	-	-	-0.09	1.140	1.390	
109	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	21100	2535	21.26	22.10	1.213	-	-	-0.02	2.590	3.142	
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	20850	2510	21.21	22.10	1.227	-	-	0.14	2.430	2.982	
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	21350	2560	21.23	22.10	1.222	-	-	-0.17	2.530	3.092	
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	21100	2535	21.24	22.10	1.219	-	-	-0.11	2.090	2.548	
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	20850	2510	21.18	22.10	1.236	-	-	-0.08	1.990	2.460	
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	21350	2560	21.21	22.10	1.227	-	-	0.05	2.000	2.454	
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 2	DSI 6	21100	2535	21.19	22.10	1.233	-	-	-0.08	2.090	2.577	
	LTE Band 7	20M	QPSK	1	0	-	Back	6mm	Ant 6	DSI 4	21100	2535	20.88	22.00	1.294	-	-	0.09	0.514	0.665	
	LTE Band 7	20M	QPSK	1	0	-	Right Side	9mm	Ant 6	DSI 4	21100	2535	20.88	22.00	1.294	-	-	0.01	0.490	0.634	
	LTE Band 7	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	21100	2535	20.88	21.20	1.076	-	-	0.14	1.970	2.120	
	LTE Band 7	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	20850	2510	20.57	21.20	1.156	-	-	-0.15	1.600	1.850	
	LTE Band 7	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	21350	2560	20.68	21.20	1.127	-	-	-0.12	1.870	2.107	
	LTE Band 7	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	21100	2535	20.63	21.20	1.140	-	-	0.11	1.640	1.870	
	LTE Band 7	20M	QPSK	100	0	-	Right Side	0mm	Ant 6	DSI 6	21100	2535	20.59	21.20	1.151	-	-	-0.08	1.620	1.865	
	LTE Band 7	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	21100	2535	20.88	21.20	1.076	-	-	-0.06	2.190	2.356	
	LTE Band 7	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	20850	2510	20.57	21.20	1.156	-	-	-0.04	1.650	1.907	
	LTE Band 7	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	21350	2560	20.68	21.20	1.127	-	-	0.06	2.030	2.288	
	LTE Band 7	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	21100	2535	20.63	21.20	1.140	-	-	-0.05	1.690	1.927	
	LTE Band 7	20M	QPSK	100	0	-	Back Right	0mm	Ant 6	DSI 6	21100	2535	20.59	21.20	1.151	-	-	0.06	1.560	1.796	
	LTE Band 13	10M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	23230	782	23.16	24.00	1.213	-	-	0.02	0.172	0.209	
110	LTE Band 13	10M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	23230	782	23.16	24.00	1.213	-	-	-0.03	1.040	1.262	
	LTE Band 13	10M	QPSK	25	0	-	Back Top	0mm	Ant 1	DSI 6	23230	782	22.94	24.00	1.276	-	-	-0.08	0.797	1.017	
	LTE Band 13	10M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	23230	782	23.16	24.00	1.213	-	-	0.11	0.841	1.020	
	LTE Band 13	10M	QPSK	25	0	-	Back Left	0mm	Ant 1	DSI 6	23230	782	22.94	24.00	1.276	-	-	-0.07	0.767	0.979	
	LTE Band 25	20M	QPSK	1	0	-	Front	6mm	Ant 1	DSI 4	26340	1880	22.61	24.00	1.377	-	-	0.02	0.850	1.170	
	LTE Band 25	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	26340	1880	22.61	24.00	1.377	-	-	0.08	0.576	0.793	
	LTE Band 25	20M	QPSK	1	0	-	Left Side	11mm	Ant 1	DSI 4	26340	1880	22.61	24.00	1.377	-	-	-0.14	0.428	0.589	
	LTE Band 25	20M	QPSK	1	0	-	Top Side	6mm	Ant 1	DSI 4	26340	1880	22.61	24.00	1.377	-	-	0.13	1.290	1.776	
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	26340	1880	20.01	21.80	1.510	-	-	-0.13	1.230	1.857	
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	26340	1880	19.98	21.80	1.521	-	-	0.03	1.000	1.521	
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	26340	1880	20.01	21.80	1.510	-	-	0.06	1.450	2.190	
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	26140	1860	19.96	21.80	1.528	-	-	0.06	1.400	2.139	
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	26590	1905	19.98	21.80	1.521	-	-	-0.12	1.470	2.236	
	LTE Band 25	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	DSI 6	26340	1880	19.98	21.80	1.521	-	-	0.07	1.200	1.825	
	LTE Band 25	20M	QPSK	100	0	-	Left Side	0mm	Ant 1	DSI 6	26340	1880	19.90	21.80	1.549	-	-	-0.18	1.160	1.797	
111	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	20.01	21.80	1.510	-	-	-0.17	2.120	3.201	
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26140	1860	19.96	21.80	1.528	-	-	0.17	2.070	3.163	
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26590	1905	19.98	21.80	1.521	-	-	-0.12	1.810	2.753	
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	19.98	21.80	1.521	-	-	-0.03	1.760	2.677	
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	26140	1860	19.95	21.80	1.531	-	-	0.14	1.710	2.618	
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	26590	1905	19.97	21.80	1.524	-	-	0.18	1.770	2.697	
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	19.90	21.80	1.549	-	-	0.01	1.750	2.711	



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LTE Band 25	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	26340	1880	20.01	21.80	1.510	-	-	-0.14	1.930	2.914	
LTE Band 25	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	26140	1860	19.96	21.80	1.528	-	-	-0.11	1.710	2.613	
LTE Band 25	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	26590	1905	19.98	21.80	1.521	-	-	-0.17	1.160	1.764	
LTE Band 25	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	26340	1880	19.98	21.80	1.521	-	-	0.12	1.460	2.221	
LTE Band 25	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	26140	1860	19.95	21.80	1.531	-	-	0.19	1.300	1.990	
LTE Band 25	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	26590	1905	19.97	21.80	1.524	-	-	0.11	1.300	1.981	
LTE Band 25	20M	QPSK	100	0	-	Back Top	0mm	Ant 1	DSI 6	26340	1880	19.90	21.80	1.549	-	-	0.09	1.340	2.076	
LTE Band 25	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	26340	1880	20.01	21.80	1.510	-	-	-0.01	1.530	2.310	
LTE Band 25	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	26140	1860	19.96	21.80	1.528	-	-	0.03	1.620	2.475	
LTE Band 25	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	26590	1905	19.98	21.80	1.521	-	-	-0.16	1.540	2.342	
LTE Band 25	20M	QPSK	50	0	-	Back Left	0mm	Ant 1	DSI 6	26340	1880	19.98	21.80	1.521	-	-	-0.07	1.300	1.977	
LTE Band 25	20M	QPSK	100	0	-	Back Left	0mm	Ant 1	DSI 6	26340	1880	19.90	21.80	1.549	-	-	0.09	1.450	2.246	
LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	20.01	21.80	1.510	-	-	0.16	1.870	2.824	Cover
LTE Band 25	20M	QPSK	1	0	-	Front	6mm	Ant 2	DSI 4	26340	1880	23.01	24.00	1.256	-	-	-0.16	0.855	1.074	
LTE Band 25	20M	QPSK	1	0	-	Back	6mm	Ant 2	DSI 4	26340	1880	23.01	24.00	1.256	-	-	0.05	0.885	1.112	
LTE Band 25	20M	QPSK	1	0	-	Bottom Side	7mm	Ant 2	DSI 4	26340	1880	23.01	24.00	1.256	-	-	0.03	1.030	1.294	
LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	26340	1880	23.01	23.70	1.172	-	-	0.05	2.590	3.035	
LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	26140	1860	22.98	23.70	1.180	-	-	-0.04	2.590	3.056	
LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	26590	1905	22.87	23.70	1.211	-	-	0.07	2.620	3.173	
LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	26340	1880	22.74	23.70	1.247	-	-	0.03	2.120	2.644	
LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	26140	1860	22.70	23.70	1.259	-	-	-0.04	2.100	2.644	
LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	26590	1905	22.56	23.70	1.300	-	-	-0.18	2.160	2.808	
LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 2	DSI 6	26340	1880	22.66	23.70	1.271	-	-	-0.09	2.130	2.707	
LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	26340	1880	23.01	23.70	1.172	-	-	-0.17	1.970	2.309	
LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	26140	1860	22.98	23.70	1.180	-	-	0.14	1.990	2.348	
LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	26590	1905	22.87	23.70	1.211	-	-	-0.02	1.940	2.349	
LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	26340	1880	22.74	23.70	1.247	-	-	-0.12	1.620	2.020	
LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	26140	1860	22.70	23.70	1.259	-	-	-0.17	1.630	2.052	
LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	26590	1905	22.56	23.70	1.300	-	-	-0.07	1.580	2.054	
LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI 6	26340	1880	22.66	23.70	1.271	-	-	0.18	1.590	2.021	
LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	26340	1880	23.01	23.70	1.172	-	-	0.12	2.310	2.707	
LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	26140	1860	22.98	23.70	1.180	-	-	-0.04	2.300	2.714	
LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	26590	1905	22.87	23.70	1.211	-	-	-0.16	2.250	2.725	
LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	26340	1880	22.74	23.70	1.247	-	-	0.16	1.820	2.270	
LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	26140	1860	22.70	23.70	1.259	-	-	0.10	1.850	2.329	
LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	26590	1905	22.56	23.70	1.300	-	-	0.12	1.810	2.353	
LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 2	DSI 6	26340	1880	22.66	23.70	1.271	-	-	0.14	1.860	2.364	
LTE Band 25	20M	QPSK	1	0	-	Back	6mm	Ant 6	DSI 4	26340	1880	21.23	22.50	1.340	-	-	0.18	0.575	0.771	
LTE Band 25	20M	QPSK	1	0	-	Right Side	9mm	Ant 6	DSI 4	26340	1880	21.23	22.50	1.340	-	-	0.10	0.492	0.659	
LTE Band 25	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	26340	1880	20.71	21.50	1.199	-	-	-0.03	1.240	1.487	
LTE Band 25	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	26340	1880	20.67	21.50	1.211	-	-	0.03	1.040	1.259	
LTE Band 25	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	26340	1880	20.71	21.50	1.199	-	-	0.12	1.130	1.355	
LTE Band 25	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	26340	1880	20.67	21.50	1.211	-	-	-0.12	0.918	1.112	
LTE Band 66	20M	QPSK	1	0	-	Front	6mm	Ant 1	DSI 4	132322	1745	22.53	24.00	1.403	-	-	-0.08	0.490	0.687	
LTE Band 66	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	132322	1745	22.53	24.00	1.403	-	-	0.08	0.407	0.571	
LTE Band 66	20M	QPSK	1	0	-	Left Side	11mm	Ant 1	DSI 4	132322	1745	22.53	24.00	1.403	-	-	0.17	0.228	0.320	
LTE Band 66	20M	QPSK	1	0	-	Top Side	6mm	Ant 1	DSI 4	132322	1745	22.53	24.00	1.403	-	-	0.08	0.920	1.291	
LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	21.05	22.10	1.274	-	-	-0.04	1.170	1.491	
LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	21.02	22.10	1.282	-	-	-0.16	0.956	1.226	
LTE Band 66	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	132322	1745	21.05	22.10	1.274	-	-	-0.14	1.690	2.153	
LTE Band 66	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	132072	1720	21.01	22.10	1.285	-	-	0.17	1.650	2.120	
LTE Band 66	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	132572	1770	21.03	22.10	1.279	-	-	0.12	1.460	1.867	
LTE Band 66	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	DSI 6	132322	1745	21.02	22.10	1.282	-	-	0.06	1.360	1.744	
LTE Band 66	20M	QPSK	100	0	-	Left Side	0mm	Ant 1	DSI 6	132322	1745	20.91	22.10	1.315	-	-	0.08	1.170	1.539	
LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	21.05	22.10	1.274	-	-	0.03	2.120	2.701	
LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132072	1720	21.01	22.10	1.285	-	-	0.13	2.130	2.737	



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112	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132572	1770	21.03	22.10	1.279	-	-	-0.01	2.460	3.146	
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	21.02	22.10	1.282	-	-	0.05	1.730	2.218	
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132072	1720	20.95	22.10	1.303	-	-	0.11	1.760	2.293	
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132572	1770	20.98	22.10	1.294	-	-	-0.06	2.010	2.601	
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	20.91	22.10	1.315	-	-	0.04	1.730	2.275	
	LTE Band 66	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	132322	1745	21.05	22.10	1.274	-	-	-0.01	2.010	2.561	
	LTE Band 66	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	132072	1720	21.01	22.10	1.285	-	-	-0.06	2.060	2.647	
	LTE Band 66	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	132572	1770	21.03	22.10	1.279	-	-	0.11	2.240	2.865	
	LTE Band 66	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	132322	1745	21.02	22.10	1.282	-	-	0.03	1.530	1.961	
	LTE Band 66	20M	QPSK	100	0	-	Back Top	0mm	Ant 1	DSI 6	132322	1745	20.91	22.10	1.315	-	-	-0.06	1.440	1.894	
	LTE Band 66	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	132322	1745	21.05	22.10	1.274	-	-	0.06	2.370	3.019	
	LTE Band 66	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	132072	1720	21.01	22.10	1.285	-	-	-0.07	2.020	2.596	
	LTE Band 66	20M	QPSK	1	0	-	Back Left	0mm	Ant 1	DSI 6	132572	1770	21.03	22.10	1.279	-	-	0.07	2.400	3.070	
	LTE Band 66	20M	QPSK	50	0	-	Back Left	0mm	Ant 1	DSI 6	132322	1745	21.02	22.10	1.282	-	-	-0.12	1.820	2.333	
	LTE Band 66	20M	QPSK	50	0	-	Back Left	0mm	Ant 1	DSI 6	132072	1720	20.95	22.10	1.303	-	-	0.08	1.730	2.254	
	LTE Band 66	20M	QPSK	50	0	-	Back Left	0mm	Ant 1	DSI 6	132572	1770	20.98	22.10	1.294	-	-	0.16	1.950	2.523	
	LTE Band 66	20M	QPSK	100	0	-	Back Left	0mm	Ant 1	DSI 6	132322	1745	20.91	22.10	1.315	-	-	-0.19	1.960	2.577	
	LTE Band 66	20M	QPSK	1	0	-	Front	6mm	Ant 2	DSI 4	132322	1745	22.95	24.00	1.274	-	-	0.02	0.840	1.070	
	LTE Band 66	20M	QPSK	1	0	-	Back	6mm	Ant 2	DSI 4	132322	1745	22.95	24.00	1.274	-	-	-0.03	0.902	1.149	
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	7mm	Ant 2	DSI 4	132322	1745	22.95	24.00	1.274	-	-	0.07	1.230	1.567	
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	132322	1745	22.95	24.00	1.274	-	-	-0.14	2.190	2.790	
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	132072	1720	22.86	24.00	1.300	-	-	0.01	2.140	2.782	
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 6	132572	1770	22.92	24.00	1.282	-	-	-0.03	2.150	2.756	
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	132322	1745	22.92	24.00	1.282	-	-	0.18	1.800	2.308	
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	132072	1720	22.85	24.00	1.303	-	-	0.06	1.750	2.280	
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI 6	132572	1770	22.87	24.00	1.297	-	-	-0.18	1.760	2.283	
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 2	DSI 6	132322	1745	22.92	24.00	1.282	-	-	-0.16	1.800	2.308	
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	132322	1745	22.95	24.00	1.274	-	-	0.01	1.750	2.230	
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	132072	1720	22.86	24.00	1.300	-	-	-0.01	1.770	2.301	
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	132572	1770	22.92	24.00	1.282	-	-	-0.08	1.670	2.141	
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	132322	1745	22.92	24.00	1.282	-	-	-0.13	1.420	1.820	
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI 6	132322	1745	22.92	24.00	1.282	-	-	0.01	1.420	1.820	
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	132322	1745	22.95	24.00	1.274	-	-	0.14	2.340	2.981	
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	132072	1720	22.86	24.00	1.300	-	-	0.00	2.360	3.068	
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	132572	1770	22.92	24.00	1.282	-	-	0.08	2.160	2.769	
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	132322	1745	22.92	24.00	1.282	-	-	0.16	1.840	2.359	
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	132072	1720	22.85	24.00	1.303	-	-	-0.11	1.890	2.463	
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	132572	1770	22.87	24.00	1.297	-	-	-0.13	1.760	2.283	
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 2	DSI 6	132322	1745	22.92	24.00	1.282	-	-	-0.13	1.860	2.385	
	LTE Band 66	20M	QPSK	1	0	-	Back	6mm	Ant 6	DSI 4	132322	1745	21.57	22.50	1.239	-	-	-0.08	0.338	0.419	
	LTE Band 66	20M	QPSK	1	0	-	Right Side	9mm	Ant 6	DSI 4	132322	1745	21.57	22.50	1.239	-	-	-0.12	0.300	0.372	
	LTE Band 66	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	132322	1745	21.57	22.40	1.211	-	-	0.15	1.620	1.962	
	LTE Band 66	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	132322	1745	21.44	22.40	1.247	-	-	0.10	1.330	1.659	
	LTE Band 66	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	132322	1745	21.57	22.40	1.211	-	-	0.09	1.880	2.277	
	LTE Band 66	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	132072	1720	21.42	22.40	1.253	-	-	0.18	2.140	2.681	
	LTE Band 66	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	132572	1770	21.37	22.40	1.268	-	-	0.08	1.710	2.168	
	LTE Band 66	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	132322	1745	21.44	22.40	1.247	-	-	-0.17	1.560	1.945	
	LTE Band 66	20M	QPSK	100	0	-	Back Right	0mm	Ant 6	DSI 6	132322	1745	21.34	22.40	1.276	-	-	0.04	1.500	1.914	
	LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	40620	2593	23.48	24.00	1.127	62.9	1.006	0.05	0.265	0.300	
	LTE Band 41	20M	QPSK	1	0	-	Top Side	6mm	Ant 1	DSI 4	40620	2593	23.48	24.00	1.127	62.9	1.006	0.09	0.771	0.874	
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	22.67	24.00	1.358	62.9	1.006	0.01	1.590	2.172	
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	39750	2506	22.56	24.00	1.393	62.9	1.006	0.05	1.740	2.438	
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	40185	2549.5	22.63	24.00	1.371	62.9	1.006	-0.05	1.800	2.483	
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	41055	2636.5	22.65	24.00	1.365	62.9	1.006	-0.06	1.330	1.826	
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	41490	2680	22.59	24.00	1.384	62.9	1.006	0.15	1.120	1.559	
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	22.45	23.00	1.135	62.9	1.006	0.16	1.280	1.462	



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	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	22.36	23.00	1.159	62.9	1.006	0.09	1.250	1.457	
	LTE Band 41	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	40620	2593	22.67	24.00	1.358	62.9	1.006	0.05	1.850	2.527	
	LTE Band 41	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	39750	2506	22.56	24.00	1.393	62.9	1.006	0.07	1.940	2.719	
	LTE Band 41	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	40185	2549.5	22.63	24.00	1.371	62.9	1.006	-0.04	2.140	2.952	
	LTE Band 41	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	41055	2636.5	22.65	24.00	1.365	62.9	1.006	0.08	1.600	2.197	
	LTE Band 41	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	41490	2680	22.59	24.00	1.384	62.9	1.006	-0.17	1.340	1.866	
	LTE Band 41	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	40620	2593	22.45	23.00	1.135	62.9	1.006	0.16	1.530	1.747	
	LTE Band 41	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	39750	2506	22.15	23.00	1.216	62.9	1.006	0.08	1.590	1.945	
	LTE Band 41	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	40185	2549.5	22.34	23.00	1.164	62.9	1.006	-0.02	1.650	1.932	
	LTE Band 41	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	41055	2636.5	22.38	23.00	1.153	62.9	1.006	0.11	1.330	1.543	
	LTE Band 41	20M	QPSK	50	0	-	Back Top	0mm	Ant 1	DSI 6	41490	2680	22.16	23.00	1.213	62.9	1.006	0.07	1.070	1.306	
	LTE Band 41	20M	QPSK	100	0	-	Back Top	0mm	Ant 1	DSI 6	40620	2593	22.36	23.00	1.159	62.9	1.006	0.18	1.590	1.854	
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back Top	0mm	Ant 1	DSI 6	40185	2549.5	24.25	25.80	1.429	42.9	1.009	-0.12	2.200	3.172	
	LTE Band 41	20M	QPSK	1	0	-	Back	6mm	Ant 2	DSI 4	40620	2593	23.75	24.00	1.059	62.9	1.006	0.13	0.356	0.379	
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	7mm	Ant 2	DSI 4	40620	2593	23.75	24.00	1.059	62.9	1.006	-0.18	0.434	0.462	
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	40620	2593	23.75	24.00	1.059	62.9	1.006	0.07	1.440	1.534	
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	39750	2506	23.35	24.00	1.161	62.9	1.006	0.16	1.220	1.425	
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	40185	2549.5	23.63	24.00	1.089	62.9	1.006	-0.12	1.340	1.468	
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	41055	2636.5	23.71	24.00	1.069	62.9	1.006	0.14	1.660	1.785	
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	41490	2680	23.73	24.00	1.064	62.9	1.006	-0.13	1.810	1.937	
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	40620	2593	22.64	23.00	1.086	62.9	1.006	-0.01	1.180	1.289	
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	40620	2593	23.75	24.00	1.059	62.9	1.006	-0.09	2.160	2.301	
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	39750	2506	23.35	24.00	1.161	62.9	1.006	0.13	2.270	2.651	
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	40185	2549.5	23.63	24.00	1.089	62.9	1.006	-0.06	2.450	2.684	
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	41055	2636.5	23.71	24.00	1.069	62.9	1.006	-0.12	2.230	2.398	
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	41490	2680	23.73	24.00	1.064	62.9	1.006	-0.15	1.910	2.044	
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	40620	2593	22.64	23.00	1.086	62.9	1.006	-0.17	1.640	1.792	
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	39750	2506	22.23	23.00	1.194	62.9	1.006	-0.17	1.850	2.222	
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	40185	2549.5	22.45	23.00	1.135	62.9	1.006	-0.13	2.050	2.341	
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	41055	2636.5	22.47	23.00	1.130	62.9	1.006	0.08	1.600	1.819	
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI 6	41490	2680	22.59	23.00	1.099	62.9	1.006	-0.12	1.410	1.559	
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 2	DSI 6	40620	2593	22.62	23.00	1.091	62.9	1.006	0.15	1.660	1.822	
113	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI 6	40185	2549.5	25.15	26.20	1.274	42.9	1.009	-0.03	2.470	3.175	
	LTE Band 41	20M	QPSK	1	0	-	Back	6mm	Ant 6	DSI 4	40620	2593	21.79	22.50	1.178	62.9	1.006	-0.14	0.291	0.345	
	LTE Band 41	20M	QPSK	1	0	-	Right Side	9mm	Ant 6	DSI 4	40620	2593	21.79	22.50	1.178	62.9	1.006	-0.11	0.259	0.307	
	LTE Band 41	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	40620	2593	21.79	22.50	1.178	62.9	1.006	0.01	1.490	1.766	
	LTE Band 41	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	39750	2506	21.61	22.50	1.227	62.9	1.006	0.06	1.420	1.753	
	LTE Band 41	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	40185	2549.5	21.76	22.50	1.186	62.9	1.006	0.11	1.570	1.873	
	LTE Band 41	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	41055	2636.5	21.59	22.50	1.233	62.9	1.006	0.10	1.550	1.923	
	LTE Band 41	20M	QPSK	1	0	-	Right Side	0mm	Ant 6	DSI 6	41490	2680	21.65	22.50	1.216	62.9	1.006	0.02	1.550	1.896	
	LTE Band 41	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	40620	2593	20.87	22.50	1.455	62.9	1.006	0.18	1.220	1.786	
	LTE Band 41	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	39750	2506	20.67	22.50	1.524	62.9	1.006	0.06	1.110	1.702	
	LTE Band 41	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	40185	2549.5	20.81	22.50	1.476	62.9	1.006	0.16	1.270	1.886	
	LTE Band 41	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	41055	2636.5	20.84	22.50	1.466	62.9	1.006	0.19	1.240	1.829	
	LTE Band 41	20M	QPSK	50	0	-	Right Side	0mm	Ant 6	DSI 6	41490	2680	20.76	22.50	1.493	62.9	1.006	-0.05	1.240	1.862	
	LTE Band 41	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	40620	2593	21.79	22.50	1.178	62.9	1.006	-0.07	1.690	2.003	
	LTE Band 41	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	39750	2506	21.61	22.50	1.227	62.9	1.006	0.07	1.560	1.926	
	LTE Band 41	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	40185	2549.5	21.76	22.50	1.186	62.9	1.006	0.17	1.790	2.136	
	LTE Band 41	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	41055	2636.5	21.59	22.50	1.233	62.9	1.006	0.05	1.860	2.307	
	LTE Band 41	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	41490	2680	21.65	22.50	1.216	62.9	1.006	0.02	1.830	2.239	
	LTE Band 41	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	40620	2593	20.87	22.50	1.455	62.9	1.006	0.10	1.390	2.035	
	LTE Band 41	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	39750	2506	20.67	22.50	1.524	62.9	1.006	-0.09	1.280	1.962	
	LTE Band 41	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	40185	2549.5	20.81	22.50	1.476	62.9	1.006	-0.05	1.470	2.183	
	LTE Band 41	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	41055	2636.5	20.84	22.50	1.466	62.9	1.006	-0.07	1.510	2.227	
	LTE Band 41	20M	QPSK	50	0	-	Back Right	0mm	Ant 6	DSI 6	41490	2680	20.76	22.50	1.493	62.9	1.006	0.06	1.490	2.238	
	LTE Band 41	20M	QPSK	100	0	-	Back Right	0mm	Ant 6	DSI 6	40620	2593	20.84	22.50	1.466	62.9	1.006	0.17	1.380	2.035	



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	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back Right	0mm	Ant 6	DSI 6	41055	2636.5	23.87	25.00	1.297	42.9	1.009	-0.03	2.090	2.735	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Back	6mm	Ant 5	DSI 4	42590	3500	23.21	24.00	1.199	62.9	1.006	0.12	0.471	0.568	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Right Side	9mm	Ant 5	DSI 4	42590	3500	23.21	24.00	1.199	62.9	1.006	0.05	0.305	0.368	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	42590	3500	23.21	24.00	1.199	62.9	1.006	0.03	1.710	2.063	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	42190	3460	23.19	24.00	1.205	62.9	1.006	0.12	1.610	1.952	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	42990	3540	23.14	24.00	1.219	62.9	1.006	0.05	1.870	2.293	
	LTE Band 42 (27Q)	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	DSI 6	42590	3500	23.12	24.00	1.225	62.9	1.006	0.10	1.380	1.701	
	LTE Band 42 (27Q)	20M	QPSK	100	0	-	Right Side	0mm	Ant 5	DSI 6	42590	3500	23.04	24.00	1.247	62.9	1.006	-0.01	1.400	1.756	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	42590	3500	23.21	24.00	1.199	62.9	1.006	-0.03	2.330	2.810	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	42190	3460	23.19	24.00	1.205	62.9	1.006	0.16	2.160	2.618	
114	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	42990	3540	23.14	24.00	1.219	62.9	1.006	0.12	2.490	3.054	
	LTE Band 42 (27Q)	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	42590	3500	23.12	24.00	1.225	62.9	1.006	0.02	1.920	2.366	
	LTE Band 42 (27Q)	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	42190	3460	23.06	24.00	1.242	62.9	1.006	-0.06	1.810	2.262	
	LTE Band 42 (27Q)	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	42990	3540	23.04	24.00	1.247	62.9	1.006	0.11	1.900	2.384	
	LTE Band 42 (27Q)	20M	QPSK	100	0	-	Back Right	0mm	Ant 5	DSI 6	42590	3500	23.04	24.00	1.247	62.9	1.006	-0.14	1.920	2.409	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Back	12mm	Ant 7	DSI 4	42590	3500	23.63	24.00	1.089	62.9	1.006	0.04	0.061	0.067	
	LTE Band 42 (27Q)	20M	QPSK	1	0	-	Back Left	0mm	Ant 7	DSI 6	42590	3500	23.63	24.00	1.089	62.9	1.006	-0.14	1.650	1.808	
	LTE Band 42 (27Q)	20M	QPSK	50	0	-	Back Left	0mm	Ant 7	DSI 6	42590	3500	23.61	24.00	1.094	62.9	1.006	-0.10	1.140	1.255	
	LTE Band 48	20M	QPSK	1	0	-	Back	6mm	Ant 5	DSI 4	55830	3609	23.56	24.00	1.107	62.9	1.006	-0.10	0.545	0.607	
	LTE Band 48	20M	QPSK	1	0	-	Right Side	9mm	Ant 5	DSI 4	55830	3609	23.56	24.00	1.107	62.9	1.006	-0.06	0.368	0.410	
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	55830	3609	23.56	24.00	1.107	62.9	1.006	-0.07	1.640	1.826	
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	55340	3560	23.45	24.00	1.135	62.9	1.006	0.00	1.690	1.930	
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	56150	3641	23.51	24.00	1.119	62.9	1.006	0.17	1.440	1.621	
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	DSI 6	56640	3690	23.43	24.00	1.140	62.9	1.006	-0.02	1.270	1.456	
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	DSI 6	55830	3609	23.53	24.00	1.114	62.9	1.006	0.03	1.280	1.434	
	LTE Band 48	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	55830	3609	23.56	24.00	1.107	62.9	1.006	-0.10	2.030	2.261	
115	LTE Band 48	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	55340	3560	23.45	24.00	1.135	62.9	1.006	0.05	2.300	2.626	
	LTE Band 48	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	56150	3641	23.51	24.00	1.119	62.9	1.006	-0.12	1.950	2.195	
	LTE Band 48	20M	QPSK	1	0	-	Back Right	0mm	Ant 5	DSI 6	56640	3690	23.43	24.00	1.140	62.9	1.006	0.08	1.690	1.938	
	LTE Band 48	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	55830	3609	23.53	24.00	1.114	62.9	1.006	-0.12	1.770	1.984	
	LTE Band 48	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	55340	3560	23.48	24.00	1.127	62.9	1.006	0.06	1.850	2.097	
	LTE Band 48	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	56150	3641	23.46	24.00	1.132	62.9	1.006	-0.01	1.440	1.640	
	LTE Band 48	20M	QPSK	50	0	-	Back Right	0mm	Ant 5	DSI 6	56640	3690	23.41	24.00	1.146	62.9	1.006	0.17	1.280	1.476	
	FR1 n7	50M	BPSK	1	1	-	Front	6mm	Ant 1	DSI 4	507000	2535	22.61	24.00	1.377	-	-	0.05	0.423	0.582	
	FR1 n7	50M	BPSK	1	1	-	Back	12mm	Ant 1	DSI 4	507000	2535	22.61	24.00	1.377	-	-	-0.04	0.365	0.503	
	FR1 n7	50M	BPSK	1	1	-	Left Side	11mm	Ant 1	DSI 4	507000	2535	22.61	24.00	1.377	-	-	-0.12	0.180	0.248	
	FR1 n7	50M	BPSK	1	1	-	Top Side	6mm	Ant 1	DSI 4	507000	2535	22.61	24.00	1.377	-	-	-0.11	0.950	1.308	
	FR1 n7	50M	BPSK	1	1	-	Front	0mm	Ant 1	DSI 6	507000	2535	21.16	22.70	1.426	-	-	0.12	1.420	2.025	
	FR1 n7	50M	BPSK	135	68	-	Front	0mm	Ant 1	DSI 6	507000	2535	21.08	22.70	1.452	-	-	-0.06	1.430	2.076	
	FR1 n7	50M	BPSK	270	0	-	Front	0mm	Ant 1	DSI 6	507000	2535	21.04	22.70	1.466	-	-	0.11	1.360	1.994	
	FR1 n7	50M	BPSK	1	1	-	Left Side	0mm	Ant 1	DSI 6	507000	2535	21.16	22.70	1.426	-	-	-0.09	1.380	1.968	
	FR1 n7	50M	BPSK	135	68	-	Left Side	0mm	Ant 1	DSI 6	507000	2535	21.08	22.70	1.452	-	-	0.13	1.300	1.888	
116	FR1 n7	50M	BPSK	1	1	-	Top Side	0mm	Ant 1	DSI 6	507000	2535	21.16	22.70	1.426	-	-	0.04	2.220	3.166	
	FR1 n7	50M	BPSK	135	68	-	Top Side	0mm	Ant 1	DSI 6	507000	2535	21.08	22.70	1.452	-	-	0.01	2.060	2.991	
	FR1 n7	50M	BPSK	270	0	-	Top Side	0mm	Ant 1	DSI 6	507000	2535	21.04	22.70	1.466	-	-	-0.16	2.120	3.108	
	FR1 n7	50M	BPSK	1	1	-	Back Top	0mm	Ant 1	DSI 6	507000	2535	21.16	22.70	1.426	-	-	0.15	2.150	3.066	
	FR1 n7	50M	BPSK	135	68	-	Back Top	0mm	Ant 1	DSI 6	507000	2535	21.08	22.70	1.452	-	-	0.05	2.120	3.078	
	FR1 n7	50M	BPSK	270	0	-	Back Top	0mm	Ant 1	DSI 6	507000	2535	21.04	22.70	1.466	-	-	-0.17	2.000	2.932	
	FR1 n7	50M	BPSK	1	1	-	Back Left	0mm	Ant 1	DSI 6	507000	2535	21.16	22.70	1.426	-	-	0.03	1.700	2.424	
	FR1 n7	50M	BPSK	135	68	-	Back Left	0mm	Ant 1	DSI 6	507000	2535	21.08	22.70	1.452	-	-	0.09	1.430	2.076	
	FR1 n7	50M	BPSK	270	0	-	Back Left	0mm	Ant 1	DSI 6	507000	2535	21.04	22.70	1.466	-	-	0.15	1.470	2.155	
	FR1 n7	50M	BPSK	1	1	-	Front	6mm	Ant 2	DSI 4	507000	2535	23.08	24.00	1.236	-	-	-0.12	0.239	0.295	



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	FR1 n7	50M	BPSK	1	1	-	Back	6mm	Ant 2	DSI 4	507000	2535	23.08	24.00	1.236	-	-	-0.16	0.307	0.379	
	FR1 n7	50M	BPSK	1	1	-	Bottom Side	7mm	Ant 2	DSI 4	507000	2535	23.08	24.00	1.236	-	-	0.17	0.450	0.556	
	FR1 n7	50M	BPSK	1	1	-	Front	0mm	Ant 2	DSI 6	507000	2535	21.58	22.40	1.208	-	-	0.12	1.190	1.438	
	FR1 n7	50M	BPSK	135	68	-	Front	0mm	Ant 2	DSI 6	507000	2535	21.55	22.40	1.216	-	-	0.16	1.180	1.435	
	FR1 n7	50M	BPSK	1	1	-	Back	0mm	Ant 2	DSI 6	507000	2535	21.58	22.40	1.208	-	-	0.07	1.230	1.486	
	FR1 n7	50M	BPSK	135	68	-	Back	0mm	Ant 2	DSI 6	507000	2535	21.55	22.40	1.216	-	-	-0.05	1.280	1.556	
	FR1 n7	50M	BPSK	1	1	-	Bottom Side	0mm	Ant 2	DSI 6	507000	2535	21.58	22.40	1.208	-	-	0.18	2.560	3.092	
	FR1 n7	50M	BPSK	135	68	-	Bottom Side	0mm	Ant 2	DSI 6	507000	2535	21.55	22.40	1.216	-	-	0.17	2.550	3.101	
	FR1 n7	50M	BPSK	270	0	-	Bottom Side	0mm	Ant 2	DSI 6	507000	2535	21.48	22.40	1.236	-	-	0.04	2.540	3.139	
	FR1 n7	50M	BPSK	1	1	-	Front	6mm	Ant 6	DSI 4	507000	2535	21.11	22.00	1.227	-	-	0.17	0.193	0.237	
	FR1 n7	50M	BPSK	1	1	-	Back	6mm	Ant 6	DSI 4	507000	2535	21.11	22.00	1.227	-	-	0.19	0.448	0.550	
	FR1 n7	50M	BPSK	1	1	-	Top Side	6mm	Ant 6	DSI 4	507000	2535	21.11	22.00	1.227	-	-	-0.06	0.077	0.094	
	FR1 n7	50M	BPSK	1	1	-	Right Side	9mm	Ant 6	DSI 4	507000	2535	21.11	22.00	1.227	-	-	-0.11	0.391	0.480	
	FR1 n7	50M	BPSK	1	1	-	Front	0mm	Ant 6	DSI 6	507000	2535	21.11	21.20	1.021	-	-	0.11	1.130	1.154	
	FR1 n7	50M	BPSK	135	68	-	Front	0mm	Ant 6	DSI 6	507000	2535	21.08	21.20	1.028	-	-	0.11	1.110	1.141	
	FR1 n7	50M	BPSK	1	1	-	Right Side	0mm	Ant 6	DSI 6	507000	2535	21.11	21.20	1.021	-	-	-0.10	2.280	2.328	
	FR1 n7	50M	BPSK	135	68	-	Right Side	0mm	Ant 6	DSI 6	507000	2535	21.08	21.20	1.028	-	-	0.15	2.170	2.231	
	FR1 n7	50M	BPSK	270	0	-	Right Side	0mm	Ant 6	DSI 6	507000	2535	20.94	21.20	1.062	-	-	0.05	2.140	2.273	
	FR1 n7	50M	BPSK	1	1	-	Top Side	0mm	Ant 6	DSI 6	507000	2535	21.11	21.20	1.021	-	-	-0.03	2.140	2.185	
	FR1 n7	50M	BPSK	135	68	-	Top Side	0mm	Ant 6	DSI 6	507000	2535	21.08	21.20	1.028	-	-	0.06	2.030	2.087	
	FR1 n7	50M	BPSK	270	0	-	Top Side	0mm	Ant 6	DSI 6	507000	2535	20.94	21.20	1.062	-	-	-0.14	2.050	2.177	
	FR1 n7	50M	BPSK	1	1	-	Back Right	0mm	Ant 6	DSI 6	507000	2535	21.11	21.20	1.021	-	-	-0.03	2.240	2.287	
	FR1 n7	50M	BPSK	135	68	-	Back Right	0mm	Ant 6	DSI 6	507000	2535	21.08	21.20	1.028	-	-	-0.01	2.250	2.313	
	FR1 n7	50M	BPSK	270	0	-	Back Right	0mm	Ant 6	DSI 6	507000	2535	20.94	21.20	1.062	-	-	0.14	2.180	2.315	
	FR1 n25	40M	BPSK	1	1	-	Front	6mm	Ant 1	DSI 4	376500	1882.5	22.69	24.00	1.352	-	-	0.03	0.512	0.692	
	FR1 n25	40M	BPSK	108	54	-	Front	6mm	Ant 1	DSI 4	376500	1882.5	22.67	24.00	1.358	-	-	-0.11	0.491	0.667	
	FR1 n25	40M	BPSK	1	1	-	Back	12mm	Ant 1	DSI 4	376500	1882.5	22.69	24.00	1.352	-	-	-0.14	0.345	0.466	
	FR1 n25	40M	BPSK	108	54	-	Back	12mm	Ant 1	DSI 4	376500	1882.5	22.67	24.00	1.358	-	-	-0.17	0.310	0.421	
	FR1 n25	40M	BPSK	1	1	-	Left Side	11mm	Ant 1	DSI 4	376500	1882.5	22.69	24.00	1.352	-	-	0.05	0.305	0.412	
	FR1 n25	40M	BPSK	108	54	-	Left Side	11mm	Ant 1	DSI 4	376500	1882.5	22.67	24.00	1.358	-	-	0.06	0.289	0.392	
	FR1 n25	40M	BPSK	1	1	-	Top Side	6mm	Ant 1	DSI 4	376500	1882.5	22.69	24.00	1.352	-	-	0.08	0.867	1.172	
	FR1 n25	40M	BPSK	108	54	-	Top Side	6mm	Ant 1	DSI 4	376500	1882.5	22.67	24.00	1.358	-	-	-0.10	0.836	1.135	
	FR1 n25	40M	BPSK	1	1	-	Front	0mm	Ant 1	DSI 6	376500	1882.5	21.12	22.40	1.343	-	-	0.18	1.260	1.692	
	FR1 n25	40M	BPSK	108	54	-	Front	0mm	Ant 1	DSI 6	376500	1882.5	21.10	22.40	1.349	-	-	0.12	1.820	2.455	
	FR1 n25	40M	BPSK	216	0	-	Front	0mm	Ant 1	DSI 6	376500	1882.5	21.08	22.40	1.355	-	-	-0.09	1.310	1.775	
	FR1 n25	40M	BPSK	1	1	-	Left Side	0mm	Ant 1	DSI 6	376500	1882.5	21.12	22.40	1.343	-	-	-0.15	1.420	1.907	
	FR1 n25	40M	BPSK	108	54	-	Left Side	0mm	Ant 1	DSI 6	376500	1882.5	21.10	22.40	1.349	-	-	-0.16	1.290	1.740	
	FR1 n25	40M	BPSK	1	1	-	Top Side	0mm	Ant 1	DSI 6	376500	1882.5	21.12	22.40	1.343	-	-	-0.01	1.870	2.511	
	FR1 n25	40M	BPSK	108	54	-	Top Side	0mm	Ant 1	DSI 6	376500	1882.5	21.10	22.40	1.349	-	-	-0.10	2.300	3.103	
	FR1 n25	40M	BPSK	216	0	-	Top Side	0mm	Ant 1	DSI 6	376500	1882.5	21.08	22.40	1.355	-	-	-0.03	2.330	3.157	
	FR1 n25	40M	BPSK	1	1	-	Back Top	0mm	Ant 1	DSI 6	376500	1882.5	21.12	22.40	1.343	-	-	0.19	1.080	1.450	
	FR1 n25	40M	BPSK	108	54	-	Back Top	0mm	Ant 1	DSI 6	376500	1882.5	21.10	22.40	1.349	-	-	0.09	1.790	2.415	
	FR1 n25	40M	BPSK	216	0	-	Back Top	0mm	Ant 1	DSI 6	376500	1882.5	21.08	22.40	1.355	-	-	0.04	1.840	2.493	
	FR1 n25	40M	BPSK	1	1	-	Back Left	0mm	Ant 1	DSI 6	376500	1882.5	21.12	22.40	1.343	-	-	-0.16	1.680	2.256	
	FR1 n25	40M	BPSK	108	54	-	Back Left	0mm	Ant 1	DSI 6	376500	1882.5	21.10	22.40	1.349	-	-	-0.10	1.960	2.644	
	FR1 n25	40M	BPSK	216	0	-	Back Left	0mm	Ant 1	DSI 6	376500	1882.5	21.08	22.40	1.355	-	-	0.07	1.930	2.615	
	FR1 n25	40M	BPSK	1	1	-	Front	6mm	Ant 2	DSI 4	376500	1882.5	22.75	24.00	1.334	-	-	0.18	0.614	0.819	
	FR1 n25	40M	BPSK	1	1	-	Back	6mm	Ant 2	DSI 4	376500	1882.5	22.75	24.00	1.334	-	-	0.16	0.633	0.844	
	FR1 n25	40M	BPSK	1	1	-	Bottom Side	7mm	Ant 2	DSI 4	376500	1882.5	22.75	24.00	1.334	-	-	-0.10	0.890	1.187	
	FR1 n25	40M	BPSK	1	1	-	Front	0mm	Ant 2	DSI 6	376500	1882.5	22.37	24.00	1.455	-	-	-0.10	2.000	2.910	
	FR1 n25	40M	BPSK	108	54	-	Front	0mm	Ant 2	DSI 6	376500	1882.5	22.32	24.00	1.472	-	-	-0.12	2.170	3.194	
	FR1 n25	40M	BPSK	216	0	-	Front	0mm	Ant 2	DSI 6	376500	1882.5	22.28	24.00	1.486	-	-	-0.15	2.100	3.121	
	FR1 n25	40M	BPSK	1	1	-	Back	0mm	Ant 2	DSI 6	376500	1882.5	22.37	24.00	1.455	-	-	-0.04	1.950	2.837	
	FR1 n25	40M	BPSK	108	54	-	Back	0mm	Ant 2	DSI 6	376500	1882.5	22.32	24.00	1.472	-	-	-0.16	1.870	2.753	
	FR1 n25	40M	BPSK	216	0	-	Back	0mm	Ant 2	DSI 6	376500	1882.5	22.28	24.00	1.486	-	-	0.05	1.800	2.675	
117	FR1 n25	40M	BPSK	1	1	-	Bottom Side	0mm	Ant 2	DSI 6	376500	1882.5	22.37	24.00	1.455	-	-	-0.01	2.200	3.201	



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	FR1 n25	40M	BPSK	108	54	-	Bottom Side	0mm	Ant 2	DSI 6	376500	1882.5	22.32	24.00	1.472	-	-	-0.06	2.010	2.959	
	FR1 n25	40M	BPSK	216	0	-	Bottom Side	0mm	Ant 2	DSI 6	376500	1882.5	22.28	24.00	1.486	-	-	0.03	2.130	3.165	
	FR1 n26 HPUE	20M	BPSK	50	28	-	Back	12mm	Ant 1	DSI 4	166300	831.5	26.78	27.00	1.052	-	-	0.03	0.208	0.219	
118	FR1 n26 HPUE	20M	BPSK	1	1	-	Back Top	0mm	Ant 1	DSI 6	166300	831.5	26.82	27.00	1.042	-	-	-0.13	2.210	2.303	
	FR1 n26 HPUE	20M	BPSK	50	28	-	Back Top	0mm	Ant 1	DSI 6	166300	831.5	26.78	27.00	1.052	-	-	0.04	1.540	1.620	
	FR1 n26 HPUE	20M	BPSK	100	0	-	Back Top	0mm	Ant 1	DSI 6	166300	831.5	26.24	27.00	1.191	-	-	-0.02	1.430	1.703	
	FR1 n26 HPUE	20M	BPSK	1	1	-	Back Left	0mm	Ant 1	DSI 6	166300	831.5	26.82	27.00	1.042	-	-	0.06	1.500	1.563	
	FR1 n26 HPUE	20M	BPSK	50	28	-	Back Left	0mm	Ant 1	DSI 6	166300	831.5	26.78	27.00	1.052	-	-	-0.16	0.871	0.916	
	FR1 n66	45M	BPSK	1	1	-	Front	6mm	Ant 1	DSI 4	349000	1745	22.85	24.00	1.303	-	-	0.05	0.182	0.237	
	FR1 n66	45M	BPSK	120	60	-	Front	6mm	Ant 1	DSI 4	349000	1745	22.82	24.00	1.312	-	-	-0.14	0.179	0.235	
	FR1 n66	45M	BPSK	1	1	-	Back	12mm	Ant 1	DSI 4	349000	1745	22.85	24.00	1.303	-	-	-0.18	0.145	0.189	
	FR1 n66	45M	BPSK	120	60	-	Back	12mm	Ant 1	DSI 4	349000	1745	22.82	24.00	1.312	-	-	0.01	0.136	0.178	
	FR1 n66	45M	BPSK	1	1	-	Left Side	11mm	Ant 1	DSI 4	349000	1745	22.85	24.00	1.303	-	-	0.09	0.116	0.151	
	FR1 n66	45M	BPSK	120	60	-	Left Side	11mm	Ant 1	DSI 4	349000	1745	22.82	24.00	1.312	-	-	0.01	0.100	0.131	
	FR1 n66	45M	BPSK	1	1	-	Top Side	6mm	Ant 1	DSI 4	349000	1745	22.85	24.00	1.303	-	-	0.03	0.327	0.426	
	FR1 n66	45M	BPSK	120	60	-	Top Side	6mm	Ant 1	DSI 4	349000	1745	22.82	24.00	1.312	-	-	-0.10	0.312	0.409	
	FR1 n66	45M	BPSK	1	1	-	Front	0mm	Ant 1	DSI 6	349000	1745	19.99	21.50	1.416	-	-	0.10	1.310	1.855	
	FR1 n66	45M	BPSK	120	60	-	Front	0mm	Ant 1	DSI 6	349000	1745	19.98	21.50	1.419	-	-	0.11	1.340	1.901	
	FR1 n66	45M	BPSK	1	1	-	Left Side	0mm	Ant 1	DSI 6	349000	1745	19.99	21.50	1.416	-	-	-0.15	1.190	1.685	
	FR1 n66	45M	BPSK	120	60	-	Left Side	0mm	Ant 1	DSI 6	349000	1745	19.98	21.50	1.419	-	-	-0.05	1.130	1.603	
	FR1 n66	45M	BPSK	1	1	-	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.99	21.50	1.416	-	-	-0.02	2.120	3.002	
119	FR1 n66	45M	BPSK	120	60	-	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.98	21.50	1.419	-	-	-0.02	2.230	3.164	
	FR1 n66	45M	BPSK	240	0	-	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.95	21.50	1.429	-	-	0.13	2.130	3.044	
	FR1 n66	45M	BPSK	1	1	-	Back Top	0mm	Ant 1	DSI 6	349000	1745	19.99	21.50	1.416	-	-	-0.15	1.400	1.982	
	FR1 n66	45M	BPSK	120	60	-	Back Top	0mm	Ant 1	DSI 6	349000	1745	19.98	21.50	1.419	-	-	0.17	1.400	1.987	
	FR1 n66	45M	BPSK	1	1	-	Back Left	0mm	Ant 1	DSI 6	349000	1745	19.99	21.50	1.416	-	-	-0.06	1.450	2.053	
	FR1 n66	45M	BPSK	120	60	-	Back Left	0mm	Ant 1	DSI 6	349000	1745	19.98	21.50	1.419	-	-	-0.18	1.460	2.072	
	FR1 n66	45M	BPSK	240	0	-	Back Left	0mm	Ant 1	DSI 6	349000	1745	19.95	21.50	1.429	-	-	0.01	1.290	1.843	
	FR1 n66	45M	BPSK	1	1	-	Front	6mm	Ant 2	DSI 4	349000	1745	22.95	24.00	1.274	-	-	-0.14	0.618	0.787	
	FR1 n66	45M	BPSK	120	60	-	Front	6mm	Ant 2	DSI 4	349000	1745	22.91	24.00	1.285	-	-	-0.18	0.605	0.777	
	FR1 n66	45M	BPSK	1	1	-	Back	6mm	Ant 2	DSI 4	349000	1745	22.95	24.00	1.274	-	-	0.01	0.622	0.792	
	FR1 n66	45M	BPSK	120	60	-	Back	6mm	Ant 2	DSI 4	349000	1745	22.91	24.00	1.285	-	-	0.09	0.611	0.785	
	FR1 n66	45M	BPSK	1	1	-	Bottom Side	7mm	Ant 2	DSI 4	349000	1745	22.95	24.00	1.274	-	-	0.01	0.700	0.892	
	FR1 n66	45M	BPSK	120	60	-	Bottom Side	7mm	Ant 2	DSI 4	349000	1745	22.91	24.00	1.285	-	-	0.03	0.678	0.871	
	FR1 n66	45M	BPSK	1	1	-	Front	0mm	Ant 2	DSI 6	349000	1745	22.05	23.60	1.429	-	-	0.04	1.380	1.972	
	FR1 n66	45M	BPSK	120	60	-	Front	0mm	Ant 2	DSI 6	349000	1745	22.03	23.60	1.435	-	-	-0.09	1.390	1.995	
	FR1 n66	45M	BPSK	1	1	-	Back	0mm	Ant 2	DSI 6	349000	1745	22.05	23.60	1.429	-	-	0.08	1.300	1.858	
	FR1 n66	45M	BPSK	120	60	-	Back	0mm	Ant 2	DSI 6	349000	1745	22.03	23.60	1.435	-	-	0.03	1.200	1.722	
	FR1 n66	45M	BPSK	1	1	-	Bottom Side	0mm	Ant 2	DSI 6	349000	1745	22.05	23.60	1.429	-	-	0.03	1.470	2.101	
	FR1 n66	45M	BPSK	120	60	-	Bottom Side	0mm	Ant 2	DSI 6	349000	1745	22.03	23.60	1.435	-	-	0.03	1.490	2.138	
	FR1 n66	45M	BPSK	240	0	-	Bottom Side	0mm	Ant 2	DSI 6	349000	1745	21.97	23.60	1.455	-	-	0.09	1.330	1.935	
	FR1 n70	15M	BPSK	1	1	-	Front	6mm	Ant 1	DSI 4	340500	1702.5	22.82	24.00	1.312	-	-	0.09	0.365	0.479	
	FR1 n70	15M	BPSK	1	1	-	Back	12mm	Ant 1	DSI 4	340500	1702.5	22.82	24.00	1.312	-	-	-0.14	0.269	0.353	
	FR1 n70	15M	BPSK	1	1	-	Left Side	11mm	Ant 1	DSI 4	340500	1702.5	22.82	24.00	1.312	-	-	-0.14	0.199	0.261	
	FR1 n70	15M	BPSK	1	1	-	Top Side	6mm	Ant 1	DSI 4	340500	1702.5	22.82	24.00	1.312	-	-	-0.06	0.652	0.855	
	FR1 n70	15M	BPSK	1	1	-	Front	0mm	Ant 1	DSI 6	340500	1702.5	20.95	22.80	1.531	-	-	-0.07	1.210	1.853	
	FR1 n70	15M	BPSK	36	22	-	Front	0mm	Ant 1	DSI 6	340500	1702.5	20.93	22.80	1.538	-	-	0.05	1.250	1.923	
	FR1 n70	15M	BPSK	1	1	-	Left Side	0mm	Ant 1	DSI 6	340500	1702.5	20.95	22.80	1.531	-	-	-0.09	1.100	1.684	
	FR1 n70	15M	BPSK	36	22	-	Left Side	0mm	Ant 1	DSI 6	340500	1702.5	20.93	22.80	1.538	-	-	0.09	0.950	1.461	
120	FR1 n70	15M	BPSK	1	1	-	Top Side	0mm	Ant 1	DSI 6	340500	1702.5	20.95	22.80	1.531	-	-	0.14	2.000	3.062	
	FR1 n70	15M	BPSK	36	22	-	Top Side	0mm	Ant 1	DSI 6	340500	1702.5	20.93	22.80	1.538	-	-	-0.17	1.330	2.046	
	FR1 n70	15M	BPSK	75	0	-	Top Side	0mm	Ant 1	DSI 6	340500	1702.5	20.89	22.80	1.552	-	-	-0.06	1.220	1.893	
	FR1 n70	15M	BPSK	1	1	-	Back Top	0mm	Ant 1	DSI 6	340500	1702.5	20.95	22.80	1.531	-	-	0.16	1.220	1.868	
	FR1 n70	15M	BPSK	36	22	-	Back Top	0mm	Ant 1	DSI 6	340500	1702.5	20.93	22.80	1.538	-	-	0.11	0.908	1.397	
	FR1 n70	15M	BPSK	1	1	-	Back Left	0mm	Ant 1	DSI 6	340500	1702.5	20.95	22.80	1.531	-	-	0.12	1.430	2.189	



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	FR1 n70	15M	BPSK	36	22	-	Back Left	0mm	Ant 1	DSI 6	340500	1702.5	20.93	22.80	1.538	-	-	0.01	1.230	1.892	
	FR1 n70	15M	BPSK	75	0	-	Back Left	0mm	Ant 1	DSI 6	340500	1702.5	20.89	22.80	1.552	-	-	-0.06	1.150	1.785	
	FR1 n70	15M	BPSK	1	1	-	Front	6mm	Ant 2	DSI 4	340500	1702.5	22.75	24.00	1.334	-	-	-0.15	0.526	0.702	
	FR1 n70	15M	BPSK	36	22	-	Front	6mm	Ant 2	DSI 4	340500	1702.5	22.69	24.00	1.352	-	-	-0.10	0.512	0.692	
	FR1 n70	15M	BPSK	1	1	-	Back	6mm	Ant 2	DSI 4	340500	1702.5	22.75	24.00	1.334	-	-	0.06	0.238	0.317	
	FR1 n70	15M	BPSK	36	22	-	Back	6mm	Ant 2	DSI 4	340500	1702.5	22.69	24.00	1.352	-	-	0.08	0.527	0.713	
	FR1 n70	15M	BPSK	1	1	-	Bottom Side	7mm	Ant 2	DSI 4	340500	1702.5	22.75	24.00	1.334	-	-	0.02	0.531	0.708	
	FR1 n70	15M	BPSK	36	22	-	Bottom Side	7mm	Ant 2	DSI 4	340500	1702.5	22.69	24.00	1.352	-	-	0.07	0.514	0.695	
	FR1 n70	15M	BPSK	1	1	-	Front	0mm	Ant 2	DSI 6	340500	1702.5	22.75	24.00	1.334	-	-	-0.12	1.750	2.335	
	FR1 n70	15M	BPSK	36	22	-	Front	0mm	Ant 2	DSI 6	340500	1702.5	22.69	24.00	1.352	-	-	-0.07	1.820	2.461	
	FR1 n70	15M	BPSK	75	0	-	Front	0mm	Ant 2	DSI 6	340500	1702.5	22.64	24.00	1.368	-	-	0.19	1.720	2.353	
	FR1 n70	15M	BPSK	1	1	-	Back	0mm	Ant 2	DSI 6	340500	1702.5	22.75	24.00	1.334	-	-	0.08	1.830	2.441	
	FR1 n70	15M	BPSK	36	22	-	Back	0mm	Ant 2	DSI 6	340500	1702.5	22.69	24.00	1.352	-	-	0.19	1.870	2.528	
	FR1 n70	15M	BPSK	75	0	-	Back	0mm	Ant 2	DSI 6	340500	1702.5	22.64	24.00	1.368	-	-	0.10	1.770	2.421	
	FR1 n70	15M	BPSK	1	1	-	Bottom Side	0mm	Ant 2	DSI 6	340500	1702.5	22.75	24.00	1.334	-	-	0.03	1.920	2.561	
	FR1 n70	15M	BPSK	36	22	-	Bottom Side	0mm	Ant 2	DSI 6	340500	1702.5	22.69	24.00	1.352	-	-	-0.17	1.850	2.501	
	FR1 n70	15M	BPSK	75	0	-	Bottom Side	0mm	Ant 2	DSI 6	340500	1702.5	22.64	24.00	1.368	-	-	-0.14	1.800	2.462	
	FR1 n41	100M	BPSK	1	1	-	Front	6mm	Ant 0	DSI 4	518598	2592.99	23.45	24.00	1.135	-	-	0.02	0.398	0.452	
	FR1 n41	100M	BPSK	135	69	-	Front	6mm	Ant 0	DSI 4	518598	2592.99	23.44	24.00	1.138	-	-	-0.04	0.369	0.420	
	FR1 n41	100M	BPSK	1	1	-	Bottom Side	7mm	Ant 0	DSI 4	518598	2592.99	23.45	24.00	1.135	-	-	0.06	0.278	0.316	
	FR1 n41	100M	BPSK	135	69	-	Bottom Side	7mm	Ant 0	DSI 4	518598	2592.99	23.44	24.00	1.138	-	-	-0.17	0.271	0.308	
	FR1 n41	100M	BPSK	1	1	-	Front	0mm	Ant 0	DSI 6	518598	2592.99	23.45	24.00	1.135	-	-	-0.15	1.350	1.532	
	FR1 n41	100M	BPSK	135	69	-	Front	0mm	Ant 0	DSI 6	518598	2592.99	23.44	24.00	1.138	-	-	-0.02	1.240	1.411	
	FR1 n41	100M	BPSK	1	1	-	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	23.45	24.00	1.135	-	-	0.08	2.010	2.281	
	FR1 n41	100M	BPSK	135	69	-	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	23.44	24.00	1.138	-	-	0.17	2.210	2.515	
	FR1 n41	100M	BPSK	270	0	-	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	23.39	24.00	1.151	-	-	0.12	2.000	2.302	
	FR1 n41 HPUE	100M	BPSK	135	69	-	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	26.41	27.00	1.146	50.0	1.000	-0.04	2.140	2.452	
	FR1 n41	100M	BPSK	1	1	-	Front	6mm	Ant 1	DSI 4	518598	2592.99	23.22	24.00	1.197	-	-	-0.15	0.345	0.413	
	FR1 n41	100M	BPSK	135	69	-	Front	6mm	Ant 1	DSI 4	518598	2592.99	23.18	24.00	1.208	-	-	-0.10	0.333	0.402	
	FR1 n41	100M	BPSK	1	1	-	Back	12mm	Ant 1	DSI 4	518598	2592.99	23.22	24.00	1.197	-	-	0.00	0.287	0.344	
	FR1 n41	100M	BPSK	135	69	-	Back	12mm	Ant 1	DSI 4	518598	2592.99	23.18	24.00	1.208	-	-	0.07	0.267	0.323	
	FR1 n41	100M	BPSK	1	1	-	Left Side	11mm	Ant 1	DSI 4	518598	2592.99	23.22	24.00	1.197	-	-	0.02	0.125	0.150	
	FR1 n41	100M	BPSK	135	69	-	Left Side	11mm	Ant 1	DSI 4	518598	2592.99	23.18	24.00	1.208	-	-	0.04	0.106	0.128	
	FR1 n41	100M	BPSK	1	1	-	Top Side	6mm	Ant 1	DSI 4	518598	2592.99	23.22	24.00	1.197	-	-	-0.15	1.010	1.209	
	FR1 n41	100M	BPSK	135	69	-	Top Side	6mm	Ant 1	DSI 4	518598	2592.99	23.18	24.00	1.208	-	-	0.13	0.919	1.110	
	FR1 n41	100M	BPSK	1	1	-	Front	0mm	Ant 1	DSI 6	518598	2592.99	21.64	22.80	1.306	-	-	0.08	1.160	1.515	
	FR1 n41	100M	BPSK	135	69	-	Front	0mm	Ant 1	DSI 6	518598	2592.99	21.61	22.80	1.315	-	-	0.11	1.010	1.328	
	FR1 n41	100M	BPSK	1	1	-	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	21.64	22.80	1.306	-	-	-0.02	0.999	1.305	
	FR1 n41	100M	BPSK	135	69	-	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	21.61	22.80	1.315	-	-	-0.16	0.943	1.240	
	FR1 n41	100M	BPSK	1	1	-	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	21.64	22.80	1.306	-	-	-0.16	1.780	2.325	
	FR1 n41	100M	BPSK	135	69	-	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	21.61	22.80	1.315	-	-	-0.01	2.340	3.077	
121	FR1 n41	100M	BPSK	270	0	-	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	21.58	22.80	1.324	-	-	0.03	2.420	3.204	
	FR1 n41	100M	BPSK	1	1	-	Back Top	0mm	Ant 1	DSI 6	518598	2592.99	21.64	22.80	1.306	-	-	0.00	2.040	2.664	
	FR1 n41	100M	BPSK	135	69	-	Back Top	0mm	Ant 1	DSI 6	518598	2592.99	21.61	22.80	1.315	-	-	-0.11	1.840	2.420	
	FR1 n41	100M	BPSK	270	0	-	Back Top	0mm	Ant 1	DSI 6	518598	2592.99	21.58	22.80	1.324	-	-	0.07	1.750	2.317	
	FR1 n41	100M	BPSK	1	1	-	Back Left	0mm	Ant 1	DSI 6	518598	2592.99	21.64	22.80	1.306	-	-	-0.14	1.320	1.724	
	FR1 n41	100M	BPSK	135	69	-	Back Left	0mm	Ant 1	DSI 6	518598	2592.99	21.61	22.80	1.315	-	-	-0.14	1.080	1.420	
	FR1 n41 HPUE	100M	BPSK	270	0	-	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	24.59	25.80	1.321	50.0	1.000	0.02	2.360	3.118	
	FR1 n41	100M	BPSK	1	1	-	Front	6mm	Ant 2	DSI 4	518598	2592.99	23.84	24.00	1.038	-	-	0.06	0.237	0.246	
	FR1 n41	100M	BPSK	1	1	-	Back	6mm	Ant 2	DSI 4	518598	2592.99	23.84	24.00	1.038	-	-	-0.08	0.333	0.346	
	FR1 n41	100M	BPSK	1	1	-	Bottom Side	7mm	Ant 2	DSI 4	518598	2592.99	23.84	24.00	1.038	-	-	-0.03	0.398	0.413	
	FR1 n41	100M	BPSK	1	1	-	Front	0mm	Ant 2	DSI 6	518598	2592.99	21.53	23.30	1.503	-	-	-0.12	0.986	1.482	
	FR1 n41	100M	BPSK	135	69	-	Front	0mm	Ant 2	DSI 6	518598	2592.99	21.52	23.30	1.507	-	-	0.10	1.080	1.628	
	FR1 n41	100M	BPSK	1	1	-	Back	0mm	Ant 2	DSI 6	518598	2592.99	21.53	23.30	1.503	-	-	0.18	1.220	1.834	
	FR1 n41	100M	BPSK	135	69	-	Back	0mm	Ant 2	DSI 6	518598	2592.99	21.52	23.30	1.507	-	-	-0.04	1.330	2.004	
	FR1 n41	100M	BPSK	270	0	-	Back	0mm	Ant 2	DSI 6	518598	2592.99	21.50	23.30	1.514	-	-	-0.07	1.230	1.862	



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	FR1 n41	100M	BPSK	1	1	-	Bottom Side	0mm	Ant 2	DSI 6	518598	2592.99	21.53	23.30	1.503	-	-	0.11	2.090	3.141	
	FR1 n41	100M	BPSK	135	69	-	Bottom Side	0mm	Ant 2	DSI 6	518598	2592.99	21.52	23.30	1.507	-	-	0.08	1.830	2.758	
	FR1 n41	100M	BPSK	270	0	-	Bottom Side	0mm	Ant 2	DSI 6	518598	2592.99	21.50	23.30	1.514	-	-	-0.01	1.880	2.846	
	FR1 n41 HPUE	100M	BPSK	1	1	-	Bottom Side	0mm	Ant 2	DSI 6	518598	2592.99	24.62	26.30	1.472	50.0	1.000	-0.14	1.990	2.929	
	FR1 n41	100M	BPSK	1	1	-	Front	6mm	Ant 6	DSI 4	518598	2592.99	23.24	24.00	1.191	-	-	-0.02	0.184	0.219	
	FR1 n41	100M	BPSK	1	1	-	Back	6mm	Ant 6	DSI 4	518598	2592.99	23.24	24.00	1.191	-	-	-0.11	0.386	0.460	
	FR1 n41	100M	BPSK	1	1	-	Top Side	6mm	Ant 6	DSI 4	518598	2592.99	23.24	24.00	1.191	-	-	-0.04	0.095	0.113	
	FR1 n41	100M	BPSK	1	1	-	Right Side	9mm	Ant 6	DSI 4	518598	2592.99	23.24	24.00	1.191	-	-	0.07	0.337	0.401	
	FR1 n41	100M	BPSK	1	1	-	Front	0mm	Ant 6	DSI 6	518598	2592.99	21.23	21.50	1.064	-	-	-0.14	1.000	1.064	
	FR1 n41	100M	BPSK	135	69	-	Front	0mm	Ant 6	DSI 6	518598	2592.99	21.21	21.50	1.069	-	-	0.12	0.916	0.979	
	FR1 n41	100M	BPSK	1	1	-	Right Side	0mm	Ant 6	DSI 6	518598	2592.99	21.23	21.50	1.064	-	-	-0.02	2.160	2.298	
	FR1 n41	100M	BPSK	135	69	-	Right Side	0mm	Ant 6	DSI 6	518598	2592.99	21.21	21.50	1.069	-	-	0.09	1.820	1.946	
	FR1 n41	100M	BPSK	270	0	-	Right Side	0mm	Ant 6	DSI 6	518598	2592.99	21.18	21.50	1.076	-	-	0.07	1.960	2.109	
	FR1 n41	100M	BPSK	1	1	-	Back Right	0mm	Ant 6	DSI 6	518598	2592.99	21.23	21.50	1.064	-	-	-0.12	2.030	2.160	
	FR1 n41	100M	BPSK	135	69	-	Back Right	0mm	Ant 6	DSI 6	518598	2592.99	21.21	21.50	1.069	-	-	0.01	1.650	1.764	
	FR1 n41	100M	BPSK	270	0	-	Back Right	0mm	Ant 6	DSI 6	518598	2592.99	21.18	21.50	1.076	-	-	-0.16	1.800	1.937	
	FR1 n41 HPUE	100M	BPSK	1	1	-	Right Side	0mm	Ant 6	DSI 6	518598	2592.99	24.37	24.50	1.030	50.0	1.000	0.18	2.160	2.225	
	FR1 n48	40M	BPSK	1	1	-	Back	6mm	Ant 4	DSI 4	641666	3624.99	19.69	21.00	1.352	-	-	0.08	0.675	0.913	
	FR1 n48	40M	BPSK	50	28	-	Back	6mm	Ant 4	DSI 4	641666	3624.99	19.57	21.00	1.390	-	-	-0.14	0.631	0.877	
	FR1 n48	40M	BPSK	1	1	-	Top Side	6mm	Ant 4	DSI 4	641666	3624.99	19.69	21.00	1.352	-	-	-0.05	0.688	0.930	
	FR1 n48	40M	BPSK	50	28	-	Top Side	6mm	Ant 4	DSI 4	641666	3624.99	19.57	21.00	1.390	-	-	0.02	0.642	0.892	
	FR1 n48	40M	BPSK	1	1	-	Top Side	0mm	Ant 4	DSI 6	641666	3624.99	19.69	20.80	1.291	-	-	0.13	2.200	2.840	
	FR1 n48	40M	BPSK	1	1	-	Top Side	0mm	Ant 4	DSI 6	638000	3570	19.41	20.80	1.377	-	-	0.09	2.060	2.837	
	FR1 n48	40M	BPSK	1	1	-	Top Side	0mm	Ant 4	DSI 6	645332	3679.98	19.49	20.80	1.352	-	-	0.18	2.110	2.853	
	FR1 n48	40M	BPSK	50	28	-	Top Side	0mm	Ant 4	DSI 6	641666	3624.99	19.57	20.80	1.327	-	-	-0.05	2.140	2.840	
	FR1 n48	40M	BPSK	50	28	-	Top Side	0mm	Ant 4	DSI 6	638000	3570	19.38	20.80	1.387	-	-	0.02	2.010	2.788	
	FR1 n48	40M	BPSK	50	28	-	Top Side	0mm	Ant 4	DSI 6	645332	3679.98	19.42	20.80	1.374	-	-	0.16	2.050	2.817	
122	FR1 n48	40M	BPSK	100	0	-	Top Side	0mm	Ant 4	DSI 6	641666	3624.99	19.51	20.80	1.346	-	-	0.04	2.340	3.150	
	FR1 n48	40M	BPSK	1	1	-	Back Top	0mm	Ant 4	DSI 6	641666	3624.99	19.69	20.80	1.291	-	-	0.09	1.360	1.756	
	FR1 n48	40M	BPSK	1	1	-	Back Top	0mm	Ant 4	DSI 6	638000	3570	19.41	20.80	1.377	-	-	-0.07	1.340	1.845	
	FR1 n48	40M	BPSK	1	1	-	Back Top	0mm	Ant 4	DSI 6	645332	3679.98	19.49	20.80	1.352	-	-	0.07	1.310	1.771	
	FR1 n48	40M	BPSK	50	28	-	Back Top	0mm	Ant 4	DSI 6	641666	3624.99	19.57	20.80	1.327	-	-	0.06	1.370	1.818	
	FR1 n48	40M	BPSK	50	28	-	Back Top	0mm	Ant 4	DSI 6	638000	3570	19.38	20.80	1.387	-	-	0.15	1.330	1.845	
	FR1 n48	40M	BPSK	50	28	-	Back Top	0mm	Ant 4	DSI 6	645332	3679.98	19.42	20.80	1.374	-	-	-0.18	1.340	1.841	
	FR1 n48	40M	BPSK	1	1	-	Back	6mm	Ant 5	DSI 4	641666	3624.99	23.05	24.00	1.245	-	-	-0.04	0.624	0.777	
	FR1 n48	40M	BPSK	1	1	-	Right Side	9mm	Ant 5	DSI 4	641666	3624.99	23.05	24.00	1.245	-	-	0.06	0.405	0.504	
	FR1 n48	40M	BPSK	1	1	-	Right Side	0mm	Ant 5	DSI 6	641666	3624.99	20.53	22.20	1.469	-	-	-0.13	1.480	2.174	
	FR1 n48	40M	BPSK	1	1	-	Right Side	0mm	Ant 5	DSI 6	638000	3570	20.47	22.20	1.489	-	-	-0.10	1.500	2.234	
	FR1 n48	40M	BPSK	1	1	-	Right Side	0mm	Ant 5	DSI 6	645332	3679.98	20.50	22.20	1.479	-	-	0.13	1.250	1.849	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 5	DSI 6	641666	3624.99	20.47	22.20	1.489	-	-	0.13	1.350	2.010	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 5	DSI 6	638000	3570	20.38	22.20	1.521	-	-	0.15	1.580	2.403	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 5	DSI 6	645332	3679.98	20.35	22.20	1.531	-	-	0.12	1.140	1.745	
	FR1 n48	40M	BPSK	100	0	-	Right Side	0mm	Ant 5	DSI 6	641666	3624.99	20.46	22.20	1.493	-	-	-0.13	1.320	1.971	
	FR1 n48	40M	BPSK	1	1	-	Back Right	0mm	Ant 5	DSI 6	641666	3624.99	20.53	22.20	1.469	-	-	-0.01	1.840	2.703	
	FR1 n48	40M	BPSK	1	1	-	Back Right	0mm	Ant 5	DSI 6	638000	3570	20.47	22.20	1.489	-	-	0.07	1.730	2.576	
	FR1 n48	40M	BPSK	1	1	-	Back Right	0mm	Ant 5	DSI 6	645332	3679.98	20.50	22.20	1.479	-	-	-0.08	1.520	2.248	
	FR1 n48	40M	BPSK	50	28	-	Back Right	0mm	Ant 5	DSI 6	641666	3624.99	20.47	22.20	1.489	-	-	0.06	1.540	2.293	
	FR1 n48	40M	BPSK	50	28	-	Back Right	0mm	Ant 5	DSI 6	638000	3570	20.38	22.20	1.521	-	-	0.04	1.720	2.616	
	FR1 n48	40M	BPSK	50	28	-	Back Right	0mm	Ant 5	DSI 6	645332	3679.98	20.35	22.20	1.531	-	-	0.05	1.420	2.174	
	FR1 n48	40M	BPSK	100	0	-	Back Right	0mm	Ant 5	DSI 6	641666	3624.99	20.46	22.20	1.493	-	-	0.05	1.690	2.523	
	FR1 n48	40M	BPSK	1	1	-	Back Right	0mm	Ant 5	DSI 6	641666	3624.99	20.53	22.20	1.469	-	-	0.09	1.480	2.174	PA (Reference Designator)
	FR1 n48	40M	BPSK	1	1	-	Front	6mm	Ant 7	DSI 4	641666	3624.99	23.34	24.00	1.164	-	-	-0.05	0.728	0.847	
	FR1 n48	40M	BPSK	1	1	-	Back	12mm	Ant 7	DSI 4	641666	3624.99	23.34	24.00	1.164	-	-	0.09	0.411	0.478	
	FR1 n48	40M	BPSK	1	1	-	Left Side	11mm	Ant 7	DSI 4	641666	3624.99	23.34	24.00	1.164	-	-	0.12	0.374	0.435	
	FR1 n48	40M	BPSK	1	1	-	Front	0mm	Ant 7	DSI 6	641666	3624.99	23.34	24.00	1.164	-	-	0.07	1.250	1.455	



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	FR1 n48	40M	BPSK	50	28	-	Front	0mm	Ant 7	DSI 6	641666	3624.99	23.32	24.00	1.169	-	-	-0.12	1.290	1.508	
	FR1 n48	40M	BPSK	50	28	-	Front	0mm	Ant 7	DSI 6	638000	3570	23.25	24.00	1.189	-	-	0.03	1.220	1.451	
	FR1 n48	40M	BPSK	50	28	-	Front	0mm	Ant 7	DSI 6	645332	3679.98	23.21	24.00	1.199	-	-	-0.10	1.220	1.463	
	FR1 n48	40M	BPSK	1	1	-	Left Side	0mm	Ant 7	DSI 6	641666	3624.99	23.34	24.00	1.164	-	-	-0.17	1.680	1.956	
	FR1 n48	40M	BPSK	1	1	-	Left Side	0mm	Ant 7	DSI 6	638000	3570	23.28	24.00	1.180	-	-	-0.09	1.460	1.723	
	FR1 n48	40M	BPSK	1	1	-	Left Side	0mm	Ant 7	DSI 6	645332	3679.98	23.26	24.00	1.186	-	-	-0.11	1.810	2.147	
	FR1 n48	40M	BPSK	50	28	-	Left Side	0mm	Ant 7	DSI 6	641666	3624.99	23.32	24.00	1.169	-	-	-0.18	1.750	2.046	
	FR1 n48	40M	BPSK	50	28	-	Left Side	0mm	Ant 7	DSI 6	638000	3570	23.25	24.00	1.189	-	-	0.02	1.520	1.807	
	FR1 n48	40M	BPSK	50	28	-	Left Side	0mm	Ant 7	DSI 6	645332	3679.98	23.21	24.00	1.199	-	-	0.02	1.760	2.110	
	FR1 n48	40M	BPSK	100	0	-	Left Side	0mm	Ant 7	DSI 6	641666	3624.99	23.31	24.00	1.172	-	-	-0.07	1.690	1.981	
	FR1 n48	40M	BPSK	1	1	-	Back Left	0mm	Ant 7	DSI 6	641666	3624.99	23.34	24.00	1.164	-	-	-0.04	1.760	2.049	
	FR1 n48	40M	BPSK	1	1	-	Back Left	0mm	Ant 7	DSI 6	638000	3570	23.28	24.00	1.180	-	-	-0.19	1.940	2.289	
	FR1 n48	40M	BPSK	1	1	-	Back Left	0mm	Ant 7	DSI 6	645332	3679.98	23.26	24.00	1.186	-	-	-0.11	1.960	2.325	
	FR1 n48	40M	BPSK	50	28	-	Back Left	0mm	Ant 7	DSI 6	641666	3624.99	23.32	24.00	1.169	-	-	-0.16	1.470	1.718	
	FR1 n48	40M	BPSK	50	28	-	Back Left	0mm	Ant 7	DSI 6	638000	3570	23.25	24.00	1.189	-	-	0.19	1.900	2.259	
	FR1 n48	40M	BPSK	50	28	-	Back Left	0mm	Ant 7	DSI 6	645332	3679.98	23.21	24.00	1.199	-	-	0.18	1.880	2.254	
	FR1 n48	40M	BPSK	100	0	-	Back Left	0mm	Ant 7	DSI 6	641666	3624.99	23.31	24.00	1.172	-	-	0.12	1.790	2.098	
	FR1 n48	40M	BPSK	1	1	-	Front	0mm	Ant 8	DSI 4	641666	3624.99	19.88	20.50	1.153	-	-	-0.05	0.886	1.022	
	FR1 n48	40M	BPSK	50	28	-	Front	0mm	Ant 8	DSI 4	641666	3624.99	19.86	20.50	1.159	-	-	-0.07	0.845	0.979	
	FR1 n48	40M	BPSK	1	1	-	Back	0mm	Ant 8	DSI 4	641666	3624.99	19.88	20.50	1.153	-	-	0.11	0.426	0.491	
	FR1 n48	40M	BPSK	50	28	-	Back	0mm	Ant 8	DSI 4	641666	3624.99	19.86	20.50	1.159	-	-	-0.05	0.435	0.504	
	FR1 n48	40M	BPSK	1	1	-	Right Side	0mm	Ant 8	DSI 4	641666	3624.99	19.88	20.50	1.153	-	-	0.18	1.370	1.580	
	FR1 n48	40M	BPSK	1	1	-	Right Side	0mm	Ant 8	DSI 4	638000	3570	19.84	20.50	1.164	-	-	0.02	1.330	1.548	
	FR1 n48	40M	BPSK	1	1	-	Right Side	0mm	Ant 8	DSI 4	645332	3679.98	19.86	20.50	1.159	-	-	0.08	1.540	1.785	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 8	DSI 4	641666	3624.99	19.86	20.50	1.159	-	-	0.14	1.610	1.866	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 8	DSI 4	638000	3570	19.83	20.50	1.167	-	-	-0.18	1.530	1.786	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 8	DSI 4	645332	3679.98	19.85	20.50	1.161	-	-	-0.02	1.640	1.904	
	FR1 n48	40M	BPSK	50	28	-	Right Side	0mm	Ant 8	DSI 4	645332	3679.98	19.85	20.50	1.161	-	-	0.05	1.310	1.521	PA (Reference Designator)

Plot No	Band	BW	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Note2
	FR1 n77 (270)	100M	BPSK	1	1	Back	6mm	Ant 4	DSI 4	661334	3920.01	23.11	24.00	1.227	100.0	1.000	0.15	0.577	0.708	
	FR1 n77 (270)	100M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	661334	3920.01	23.11	24.00	1.227	100.0	1.000	-0.04	0.696	0.854	
	FR1 n77 (270)	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	661334	3920.01	20.16	21.40	1.330	100.0	1.000	0.12	1.880	2.500	
123	FR1 n77 (270)	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	650000	3750	20.06	21.40	1.361	100.0	1.000	0.02	2.310	3.144	
	FR1 n77 (270)	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	655668	3835.02	20.11	21.40	1.346	100.0	1.000	0.05	1.900	2.557	
	FR1 n77 (270)	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	662000	3930	20.05	21.40	1.365	100.0	1.000	0.01	1.850	2.525	
	FR1 n77 (270)	100M	BPSK	135	69	Top Side	0mm	Ant 4	DSI 6	661334	3920.01	20.12	21.40	1.343	100.0	1.000	0.10	1.880	2.525	
	FR1 n77 (270)	100M	BPSK	135	69	Top Side	0mm	Ant 4	DSI 6	650000	3750	20.08	21.40	1.355	100.0	1.000	0.15	2.000	2.710	
	FR1 n77 (270)	100M	BPSK	135	69	Top Side	0mm	Ant 4	DSI 6	655668	3835.02	20.10	21.40	1.349	100.0	1.000	-0.15	2.040	2.752	
	FR1 n77 (270)	100M	BPSK	135	69	Top Side	0mm	Ant 4	DSI 6	662000	3930	19.84	21.40	1.432	100.0	1.000	-0.09	1.810	2.592	
	FR1 n77 (270)	100M	BPSK	270	0	Top Side	0mm	Ant 4	DSI 6	661334	3920.01	20.06	21.40	1.361	100.0	1.000	-0.16	1.650	2.246	
	FR1 n77 (270)	100M	BPSK	1	1	Back Top	0mm	Ant 4	DSI 6	661334	3920.01	20.16	21.40	1.330	100.0	1.000	0.16	1.560	2.075	
	FR1 n77 (270)	100M	BPSK	1	1	Back Top	0mm	Ant 4	DSI 6	650000	3750	20.06	21.40	1.361	100.0	1.000	0.05	1.700	2.314	
	FR1 n77 (270)	100M	BPSK	1	1	Back Top	0mm	Ant 4	DSI 6	655668	3835.02	20.11	21.40	1.346	100.0	1.000	-0.08	1.610	2.167	
	FR1 n77 (270)	100M	BPSK	1	1	Back Top	0mm	Ant 4	DSI 6	662000	3930	20.05	21.40	1.365	100.0	1.000	-0.02	1.540	2.102	
	FR1 n77 (270)	100M	BPSK	135	69	Back Top	0mm	Ant 4	DSI 6	661334	3920.01	20.12	21.40	1.343	100.0	1.000	0.06	1.600	2.149	
	FR1 n77 (270)	100M	BPSK	135	69	Back Top	0mm	Ant 4	DSI 6	650000	3750	20.08	21.40	1.355	100.0	1.000	-0.10	1.740	2.358	
	FR1 n77 (270)	100M	BPSK	135	69	Back Top	0mm	Ant 4	DSI 6	655668	3835.02	20.10	21.40	1.349	100.0	1.000	0.07	1.580	2.131	
	FR1 n77 (270)	100M	BPSK	135	69	Back Top	0mm	Ant 4	DSI 6	662000	3930	19.84	21.40	1.432	100.0	1.000	-0.03	1.510	2.162	
	FR1 n77 (270)	100M	BPSK	270	0	Back Top	0mm	Ant 4	DSI 6	661334	3920.01	20.06	21.40	1.361	100.0	1.000	0.15	1.350	1.837	
	FR1 n77 (270) HPUE	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	650000	3750	23.08	24.40	1.355	50.0	1.000	0.09	2.250	3.049	
	FR1 n77 (270)	100M	BPSK	1	1	Back	6mm	Ant 5	DSI 4	661334	3920.01	23.05	24.00	1.245	100.0	1.000	-0.17	0.465	0.579	
	FR1 n77 (270)	100M	BPSK	1	1	Right Side	9mm	Ant 5	DSI 4	661334	3920.01	23.05	24.00	1.245	100.0	1.000	-0.03	0.264	0.329	



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FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 5	DSI 6	661334	3920.01	23.05	24.00	1.245	100.0	1.000	-0.17	1.730	2.154	
FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 5	DSI 6	650000	3750	22.98	24.00	1.265	100.0	1.000	-0.05	1.530	1.935	
FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 5	DSI 6	655668	3835.02	23.02	24.00	1.253	100.0	1.000	0.03	1.500	1.880	
FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 5	DSI 6	662000	3930	22.96	24.00	1.271	100.0	1.000	-0.03	1.470	1.868	
FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 5	DSI 6	661334	3920.01	23.01	24.00	1.256	100.0	1.000	-0.07	1.660	2.085	
FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 5	DSI 6	650000	3750	23.00	24.00	1.259	100.0	1.000	0.17	1.590	2.002	
FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 5	DSI 6	655668	3835.02	22.87	24.00	1.297	100.0	1.000	0.02	1.660	2.153	
FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 5	DSI 6	662000	3930	22.85	24.00	1.303	100.0	1.000	0.04	1.550	2.020	
FR1 n77 (270)	100M	BPSK	270	0	Right Side	0mm	Ant 5	DSI 6	661334	3920.01	22.55	23.50	1.245	100.0	1.000	0.19	1.460	1.818	
FR1 n77 (270)	100M	BPSK	1	1	Back Right	0mm	Ant 5	DSI 6	661334	3920.01	23.05	24.00	1.245	100.0	1.000	0.01	2.150	2.677	
FR1 n77 (270)	100M	BPSK	1	1	Back Right	0mm	Ant 5	DSI 6	650000	3750	22.98	24.00	1.265	100.0	1.000	-0.09	2.010	2.543	
FR1 n77 (270)	100M	BPSK	1	1	Back Right	0mm	Ant 5	DSI 6	655668	3835.02	23.02	24.00	1.253	100.0	1.000	-0.17	1.910	2.393	
FR1 n77 (270)	100M	BPSK	1	1	Back Right	0mm	Ant 5	DSI 6	662000	3930	22.96	24.00	1.271	100.0	1.000	-0.01	1.840	2.339	
FR1 n77 (270)	100M	BPSK	135	69	Back Right	0mm	Ant 5	DSI 6	661334	3920.01	23.01	24.00	1.256	100.0	1.000	-0.09	2.040	2.562	
FR1 n77 (270)	100M	BPSK	135	69	Back Right	0mm	Ant 5	DSI 6	650000	3750	23.00	24.00	1.259	100.0	1.000	-0.10	1.860	2.342	
FR1 n77 (270)	100M	BPSK	135	69	Back Right	0mm	Ant 5	DSI 6	655668	3835.02	22.87	24.00	1.297	100.0	1.000	-0.02	1.760	2.283	
FR1 n77 (270)	100M	BPSK	135	69	Back Right	0mm	Ant 5	DSI 6	662000	3930	22.85	24.00	1.303	100.0	1.000	0.05	1.710	2.228	
FR1 n77 (270)	100M	BPSK	270	0	Back Right	0mm	Ant 5	DSI 6	661334	3920.01	22.55	23.50	1.245	100.0	1.000	-0.16	1.770	2.204	
FR1 n77 (270) HPUE	100M	BPSK	1	1	Back Right	0mm	Ant 5	DSI 6	661334	3920.01	26.07	27.00	1.239	50.0	1.000	0.02	2.190	2.713	
FR1 n77 (270) HPUE	100M	BPSK	1	1	Back Right	0mm	Ant 5	DSI 6	661334	3920.01	26.07	27.00	1.239	50.0	1.000	-0.13	2.060	2.552	PA (Reference Designator)
FR1 n77 (270)	100M	BPSK	1	1	Front	6mm	Ant 7	DSI 4	661334	3920.01	23.15	24.00	1.216	100.0	1.000	0.05	0.568	0.691	
FR1 n77 (270)	100M	BPSK	135	69	Front	6mm	Ant 7	DSI 4	661334	3920.01	23.02	24.00	1.253	100.0	1.000	0.04	0.531	0.665	
FR1 n77 (270)	100M	BPSK	1	1	Back	12mm	Ant 7	DSI 4	661334	3920.01	23.15	24.00	1.216	100.0	1.000	-0.14	0.245	0.298	
FR1 n77 (270)	100M	BPSK	135	69	Back	12mm	Ant 7	DSI 4	661334	3920.01	23.02	24.00	1.253	100.0	1.000	0.01	0.256	0.321	
FR1 n77 (270)	100M	BPSK	1	1	Left Side	11mm	Ant 7	DSI 4	661334	3920.01	23.15	24.00	1.216	100.0	1.000	0.13	0.301	0.366	
FR1 n77 (270)	100M	BPSK	135	69	Left Side	11mm	Ant 7	DSI 4	661334	3920.01	23.02	24.00	1.253	100.0	1.000	0.02	0.280	0.351	
FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 7	DSI 6	661334	3920.01	23.15	24.00	1.216	100.0	1.000	-0.12	1.520	1.848	
FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 7	DSI 6	650000	3750	23.13	24.00	1.222	100.0	1.000	-0.09	1.450	1.772	
FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 7	DSI 6	655668	3835.02	23.02	24.00	1.253	100.0	1.000	-0.13	1.510	1.892	
FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 7	DSI 6	662000	3930	22.99	24.00	1.262	100.0	1.000	-0.05	1.410	1.779	
FR1 n77 (270)	100M	BPSK	135	69	Front	0mm	Ant 7	DSI 6	661334	3920.01	23.02	24.00	1.253	100.0	1.000	-0.03	1.480	1.854	
FR1 n77 (270)	100M	BPSK	135	69	Front	0mm	Ant 7	DSI 6	650000	3750	23.00	24.00	1.259	100.0	1.000	-0.01	1.500	1.889	
FR1 n77 (270)	100M	BPSK	135	69	Front	0mm	Ant 7	DSI 6	655668	3835.02	22.87	24.00	1.297	100.0	1.000	0.00	1.320	1.712	
FR1 n77 (270)	100M	BPSK	135	69	Front	0mm	Ant 7	DSI 6	662000	3930	22.82	24.00	1.312	100.0	1.000	0.04	1.370	1.797	
FR1 n77 (270)	100M	BPSK	1	1	Left Side	0mm	Ant 7	DSI 6	661334	3920.01	23.15	24.00	1.216	100.0	1.000	0.10	1.820	2.213	
FR1 n77 (270)	100M	BPSK	1	1	Left Side	0mm	Ant 7	DSI 6	650000	3750	23.13	24.00	1.222	100.0	1.000	-0.16	1.850	2.261	
FR1 n77 (270)	100M	BPSK	1	1	Left Side	0mm	Ant 7	DSI 6	655668	3835.02	23.02	24.00	1.253	100.0	1.000	-0.08	1.840	2.306	
FR1 n77 (270)	100M	BPSK	1	1	Left Side	0mm	Ant 7	DSI 6	662000	3930	22.99	24.00	1.262	100.0	1.000	-0.01	1.580	1.994	
FR1 n77 (270)	100M	BPSK	135	69	Left Side	0mm	Ant 7	DSI 6	661334	3920.01	23.02	24.00	1.253	100.0	1.000	-0.03	2.170	2.719	
FR1 n77 (270)	100M	BPSK	135	69	Left Side	0mm	Ant 7	DSI 6	650000	3750	23.00	24.00	1.259	100.0	1.000	-0.13	1.870	2.354	
FR1 n77 (270)	100M	BPSK	135	69	Left Side	0mm	Ant 7	DSI 6	655668	3835.02	22.87	24.00	1.297	100.0	1.000	0.18	1.880	2.438	
FR1 n77 (270)	100M	BPSK	135	69	Left Side	0mm	Ant 7	DSI 6	662000	3930	22.82	24.00	1.312	100.0	1.000	0.04	1.670	2.191	
FR1 n77 (270)	100M	BPSK	270	0	Left Side	0mm	Ant 7	DSI 6	661334	3920.01	22.53	23.50	1.250	100.0	1.000	-0.03	1.760	2.200	
FR1 n77 (270)	100M	BPSK	1	1	Back Left	0mm	Ant 7	DSI 6	661334	3920.01	23.15	24.00	1.216	100.0	1.000	-0.12	1.770	2.152	
FR1 n77 (270)	100M	BPSK	1	1	Back Left	0mm	Ant 7	DSI 6	650000	3750	23.13	24.00	1.222	100.0	1.000	-0.19	1.740	2.126	
FR1 n77 (270)	100M	BPSK	1	1	Back Left	0mm	Ant 7	DSI 6	655668	3835.02	23.02	24.00	1.253	100.0	1.000	0.08	1.790	2.243	
FR1 n77 (270)	100M	BPSK	1	1	Back Left	0mm	Ant 7	DSI 6	662000	3930	22.99	24.00	1.262	100.0	1.000	-0.02	1.650	2.082	
FR1 n77 (270)	100M	BPSK	135	69	Back Left	0mm	Ant 7	DSI 6	661334	3920.01	23.02	24.00	1.253	100.0	1.000	-0.14	2.070	2.594	
FR1 n77 (270)	100M	BPSK	135	69	Back Left	0mm	Ant 7	DSI 6	650000	3750	23.00	24.00	1.259	100.0	1.000	0.15	1.730	2.178	
FR1 n77 (270)	100M	BPSK	135	69	Back Left	0mm	Ant 7	DSI 6	655668	3835.02	22.87	24.00	1.297	100.0	1.000	0.05	1.940	2.516	
FR1 n77 (270)	100M	BPSK	135	69	Back Left	0mm	Ant 7	DSI 6	662000	3930	22.82	24.00	1.312	100.0	1.000	-0.09	1.810	2.375	
FR1 n77 (270)	100M	BPSK	270	0	Back Left	0mm	Ant 7	DSI 6	661334	3920.01	22.53	23.50	1.250	100.0	1.000	-0.01	1.610	2.013	
FR1 n77 (270) HPUE	100M	BPSK	135	69	Left Side	0mm	Ant 7	DSI 6	661334	3920.01	26.15	27.00	1.216	50.0	1.000	-0.04	2.080	2.529	
FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 4	661334	3920.01	20.11	20.50	1.094	100.0	1.000	-0.15	0.963	1.054	
FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 4	650000	3750	20.06	20.50	1.107	100.0	1.000	0.07	0.838	0.928	



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	FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 4	655668	3835.02	20.07	20.50	1.104	100.0	1.000	0.18	1.170	1.292	
	FR1 n77 (270)	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 4	662000	3930	19.99	20.50	1.125	100.0	1.000	-0.03	1.110	1.249	
	FR1 n77 (270)	100M	BPSK	135	69	Front	0mm	Ant 8	DSI 4	661334	3920.01	20.09	20.50	1.099	100.0	1.000	0.07	0.636	0.699	
	FR1 n77 (270)	100M	BPSK	1	1	Back	0mm	Ant 8	DSI 4	661334	3920.01	20.11	20.50	1.094	100.0	1.000	0.15	0.368	0.403	
	FR1 n77 (270)	100M	BPSK	135	69	Back	0mm	Ant 8	DSI 4	661334	3920.01	20.09	20.50	1.099	100.0	1.000	0.04	0.314	0.345	
	FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 8	DSI 4	661334	3920.01	20.11	20.50	1.094	100.0	1.000	0.05	1.400	1.532	
	FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 8	DSI 4	650000	3750	20.06	20.50	1.107	100.0	1.000	0.14	1.590	1.760	
	FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 8	DSI 4	655668	3835.02	20.07	20.50	1.104	100.0	1.000	0.01	1.720	1.899	
	FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 8	DSI 4	662000	3930	19.99	20.50	1.125	100.0	1.000	0.05	1.650	1.856	
	FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 8	DSI 4	661334	3920.01	20.09	20.50	1.099	100.0	1.000	-0.13	1.470	1.616	
	FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 8	DSI 4	650000	3750	20.01	20.50	1.119	100.0	1.000	-0.05	1.680	1.880	
	FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 8	DSI 4	655668	3835.02	20.05	20.50	1.109	100.0	1.000	0.16	1.700	1.885	
	FR1 n77 (270)	100M	BPSK	135	69	Right Side	0mm	Ant 8	DSI 4	662000	3930	19.97	20.50	1.130	100.0	1.000	-0.01	1.640	1.853	
	FR1 n77 (270)	100M	BPSK	270	0	Right Side	0mm	Ant 8	DSI 4	661334	3920.01	20.05	20.50	1.109	100.0	1.000	-0.13	1.070	1.187	
	FR1 n77 (270) HPUE	100M	BPSK	1	1	Right Side	0mm	Ant 8	DSI 4	655668	3835.02	23.11	23.50	1.094	50.0	1.000	-0.06	1.670	1.827	
	FR1 n77 (270)	100M	BPSK	1	1	Right Side	0mm	Ant 8	DSI 4	655668	3835.02	20.07	20.50	1.104	100.0	1.000	0.07	1.640	1.811	PA (Reference Designator)

MIMO 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	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1+6	DSI 6	507000	2535	23.49	24.70	1.321	-	-	-0.04	1.200	1.585
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1+6	DSI 6	507000	2535	23.33	24.70	1.371	-	-	-0.08	1.120	1.536
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back Left	0mm	Ant 1+6	DSI 6	507000	2535	23.49	24.70	1.321	-	-	0.17	1.430	1.889
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back Left	0mm	Ant 1+6	DSI 6	507000	2535	23.33	24.70	1.371	-	-	0.18	1.280	1.755
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back Right	0mm	Ant 1+6	DSI 6	507000	2535	23.49	24.70	1.321	-	-	-0.04	1.410	1.863
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back Right	0mm	Ant 1+6	DSI 6	507000	2535	23.33	24.70	1.371	-	-	-0.08	1.420	1.947
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back Top	0mm	Ant 1+6	DSI 6	507000	2535	23.49	24.70	1.321	-	-	-0.13	1.990	2.629
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back Top	0mm	Ant 1+6	DSI 6	507000	2535	23.33	24.70	1.371	-	-	-0.13	1.910	2.619
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back Top	0mm	Ant 1+6	DSI 6	507000	2535	23.30	24.70	1.380	-	-	0.06	1.890	2.608
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0+2	DSI 6	518598	2592.99	20.54	21.70	1.306	-	-	-0.03	0.799	1.043
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0+2	DSI 6	518598	2592.99	20.49	21.70	1.321	-	-	-0.03	0.755	0.997
	FR1 n41_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 0+2	DSI 6	518598	2592.99	20.48	21.70	1.324	-	-	0.08	0.755	1.000
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0+2	DSI 6	518598	2592.99	20.54	21.70	1.306	-	-	-0.07	2.030	2.651
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0+2	DSI 6	518598	2592.99	20.49	21.70	1.321	-	-	0.05	1.160	1.532
	FR1 n41_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0+2	DSI 6	518598	2592.99	20.48	21.70	1.324	-	-	-0.11	1.140	1.509
	FR1 n41_PC1.5	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0+2	DSI 6	518598	2592.99	23.61	24.70	1.285	50	1.000	-0.12	1.730	2.223
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1+6	DSI 6	518598	2592.99	23.95	25.30	1.365	-	-	0.03	0.890	1.215
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1+6	DSI 6	518598	2592.99	23.93	25.30	1.371	-	-	-0.16	0.785	1.076
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Left	0mm	Ant 1+6	DSI 6	518598	2592.99	23.95	25.30	1.365	-	-	-0.02	0.793	1.082
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Left	0mm	Ant 1+6	DSI 6	518598	2592.99	23.93	25.30	1.371	-	-	0.15	0.677	0.928
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 1+6	DSI 6	518598	2592.99	23.95	25.30	1.365	-	-	-0.09	1.790	2.443
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Right	0mm	Ant 1+6	DSI 6	518598	2592.99	23.93	25.30	1.371	-	-	0.11	1.670	2.290
	FR1 n41_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back Right	0mm	Ant 1+6	DSI 6	518598	2592.99	23.88	25.30	1.387	-	-	-0.05	1.650	2.289
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 1+6	DSI 6	518598	2592.99	23.95	25.30	1.365	-	-	-0.08	1.510	2.061
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Top	0mm	Ant 1+6	DSI 6	518598	2592.99	23.93	25.30	1.371	-	-	0.16	1.260	1.727
	FR1 n41_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back Top	0mm	Ant 1+6	DSI 6	518598	2592.99	23.88	25.30	1.387	-	-	0.05	1.280	1.775
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 1+6	DSI 6	518598	2592.99	23.95	25.30	1.365	-	-	0.05	2.170	2.962
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 1+6	DSI 6	518598	2592.99	23.93	25.30	1.371	-	-	-0.03	1.720	2.358
	FR1 n41_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 1+6	DSI 6	518598	2592.99	23.88	25.30	1.387	-	-	-0.15	1.710	2.372
	FR1 n41_PC1.5	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 1+6	DSI 6	518598	2592.99	27.07	28.30	1.327	50	1.000	0.02	1.930	2.561
	FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7+5	DSI 6	641666	3624.99	23.36	24.00	1.159	-	-	0.07	0.573	0.664
	FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 7+5	DSI 6	641666	3624.99	23.34	24.00	1.164	-	-	0.16	0.454	0.528
	FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Back Left	0mm	Ant 7+5	DSI 6	641666	3624.99	23.36	24.00	1.159	-	-	0.13	1.230	1.426



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FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Back Left	0mm	Ant 7+5	DSI 6	641666	3624.99	23.34	24.00	1.164	-	-	-0.18	1.210	1.408
FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 7+5	DSI 6	641666	3624.99	23.36	24.00	1.159	-	-	0.02	1.450	1.681
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 7+5	DSI 6	638000	3569.995	23.30	24.00	1.175	-	-	0.16	1.790	2.103
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 7+5	DSI 6	645332	3679.975	23.28	24.00	1.180	-	-	-0.03	1.210	1.428
FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Back Right	0mm	Ant 7+5	DSI 6	641666	3624.99	23.34	24.00	1.164	-	-	0.07	1.340	1.560
FR1 n48	40M	BPSK	100	0	DFT-SCS-30KHz	Back Right	0mm	Ant 7+5	DSI 6	641666	3624.99	23.33	24.00	1.167	-	-	0	1.420	1.657
FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4+5	DSI 6	641666	3624.99	20.71	22.20	1.409	-	-	0.01	0.532	0.750
FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 4+5	DSI 6	641666	3624.99	20.60	22.20	1.445	-	-	-0.01	0.475	0.686
FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	641666	3624.99	20.71	22.20	1.409	-	-	-0.06	1.630	2.297
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	638000	3569.995	20.58	22.20	1.452	-	-	-0.04	1.810	2.628
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	645332	3679.975	20.57	22.20	1.455	-	-	-0.09	1.220	1.775
FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	641666	3624.99	20.60	22.20	1.445	-	-	-0.17	1.280	1.850
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	638000	3569.995	20.46	22.20	1.493	-	-	-0.1	1.390	2.075
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	645332	3679.975	20.47	22.20	1.489	-	-	0.18	1.140	1.697
FR1 n48	40M	BPSK	100	0	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	641666	3624.99	20.63	22.20	1.435	-	-	-0.17	0.988	1.418
FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	641666	3624.99	20.71	22.20	1.409	-	-	-0.04	1.050	1.479
FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	641666	3624.99	20.60	22.20	1.445	-	-	-0.05	0.966	1.396
FR1 n48	40M	BPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	641666	3624.99	20.71	22.20	1.409	-	-	0	1.520	2.142
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	638000	3569.995	20.58	22.20	1.452	-	-	-0.13	1.640	2.381
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	645332	3679.975	20.57	22.20	1.455	-	-	-0.01	1.050	1.528
FR1 n48	40M	BPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	641666	3624.99	20.60	22.20	1.445	-	-	-0.09	1.220	1.763
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	638000	3569.995	20.46	22.20	1.493	-	-	0.05	1.240	1.851
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	645332	3679.975	20.47	22.20	1.489	-	-	0.02	1.050	1.563
FR1 n48	40M	BPSK	100	0	DFT-SCS-30KHz	Right Side	0mm	Ant 4+5	DSI 6	641666	3624.99	20.63	22.20	1.435	-	-	-0.13	1.080	1.550

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	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Left	5mm	Ant 7+5	DSI 6	661334	3920.01	26.11	27.00	1.227		1.000	-0.16	1.550	1.902
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Left	5mm	Ant 7+5	DSI 6	661334	3920.01	26.03	27.00	1.250		1.000	-0.13	1.810	2.263
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Left	5mm	Ant 7+5	DSI 6	650000	3750	26.01	27.00	1.256		1.000	0.08	1.510	1.897
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Left	5mm	Ant 7+5	DSI 6	655668	3835.02	25.88	27.00	1.294		1.000	0.16	1.690	2.187
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Left	5mm	Ant 7+5	DSI 6	662000	3930	25.89	27.00	1.291		1.000	-0.01	1.810	2.337
	FR1 n77 Part 270_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back Left	5mm	Ant 7+5	DSI 6	661334	3920.01	25.55	27.00	1.396		1.000	0.1	1.400	1.954
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	661334	3920.01	26.11	27.00	1.227		1.000	-0.04	1.790	2.196
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	650000	3750	26.07	27.00	1.239		1.000	-0.01	1.670	2.069
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	655668	3835.02	26.03	27.00	1.250		1.000	0	1.590	1.988
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	662000	3930	26.02	27.00	1.253		1.000	0.03	1.530	1.917
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	661334	3920.01	26.03	27.00	1.250		1.000	-0.15	1.700	2.125
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	650000	3750	26.01	27.00	1.256		1.000	0.03	1.550	1.947
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	655668	3835.02	25.88	27.00	1.294		1.000	-0.13	1.470	1.902
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	662000	3930	25.88	27.00	1.294		1.000	0.09	1.450	1.876
	FR1 n77 Part 270_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back Right	5mm	Ant 7+5	DSI 6	661334	3920.01	25.55	27.00	1.396		1.000	-0.02	1.480	2.066
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	661334	3920.01	26.11	27.00	1.227		1.000	-0.09	1.590	1.951
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	661334	3920.01	26.03	27.00	1.250		1.000	-0.09	1.890	2.363
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	650000	3750	26.01	27.00	1.256		1.000	-0.16	1.630	2.047
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	655668	3835.02	25.88	27.00	1.294		1.000	-0.18	1.640	2.122
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	662000	3930	25.88	27.00	1.294		1.000	-0.03	1.780	2.303
	FR1 n77 Part 270_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	661334	3920.01	25.55	27.00	1.396		1.000	-0.08	1.530	2.136
	FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 7+5	DSI 6	661334	3920.01	26.11	27.00	1.227		1.000	-0.1	1.600	1.963
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7+5	DSI 6	661334	3920.01	26.03	27.00	1.250		1.000	-0.01	1.830	2.288
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7+5	DSI 6	650000	3750	26.01	27.00	1.256		1.000	-0.11	1.670	2.098
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7+5	DSI 6	655668	3835.02	25.88	27.00	1.294		1.000	0.14	1.650	2.135
	FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7+5	DSI 6	662000	3930	25.88	27.00	1.294		1.000	0.01	1.610	2.083
	FR1 n77 Part 270_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	5mm	Ant 7+5	DSI 6	661334	3920.01	25.55	27.00	1.396		1.000	0.16	1.460	2.038
	FR1 n77 Part 270_PC1.5	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7+5	DSI 6	661334	3920.01	29.12	30.00	1.225	50	1.000	0.09	1.890	2.315



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FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4+5	DSI 6	661334	3920.01	21.14	22.20	1.276		1.000	0.17	0.542	0.692
FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4+5	DSI 6	661334	3920.01	21.03	22.20	1.309		1.000	0.06	0.430	0.563
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	661334	3920.01	21.14	22.20	1.276		1.000	0	1.050	1.340
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	650000	3750	21.02	22.20	1.312		1.000	-0.04	0.602	0.790
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	655668	3835.02	21.12	22.20	1.282		1.000	-0.15	0.561	0.719
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	662000	3930	21.12	22.20	1.282		1.000	-0.09	0.892	1.144
FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	661334	3920.01	21.03	22.20	1.309		1.000	0.1	0.847	1.109
FR1 n77 Part 270_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back Right	0mm	Ant 4+5	DSI 6	661334	3920.01	21.01	22.20	1.315		1.000	0.04	0.847	1.114
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	661334	3920.01	21.14	22.20	1.276		1.000	0.13	1.800	2.297
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	650000	3750	21.02	22.20	1.312		1.000	-0.18	1.670	2.191
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	655668	3835.02	21.12	22.20	1.282		1.000	-0.11	1.490	1.910
FR1 n77 Part 270_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	662000	3930	21.12	22.20	1.282		1.000	0.05	1.780	2.282
FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	661334	3920.01	21.03	22.20	1.309		1.000	-0.06	1.530	2.003
FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	650000	3750	21.00	22.20	1.318		1.000	-0.14	1.450	1.911
FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	655668	3835.02	20.96	22.20	1.330		1.000	-0.19	1.400	1.862
FR1 n77 Part 270_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	662000	3930	20.96	22.20	1.330		1.000	-0.03	1.340	1.782
FR1 n77 Part 270_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	661334	3920.01	21.01	22.20	1.315		1.000	0.02	1.470	1.933
FR1 n77 Part 270_PC15	100M	QPSK	1	1	DFT-SCS-30KHz	Back Top	0mm	Ant 4+5	DSI 6	661334	3920.01	24.17	25.20	1.268	50	1.000	0.02	1.760	2.232

LTE CA SAR

Plot No	Band	BW	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	99	Back Top	0mm	Ant 1	DSI 6	21100+21298	2535+2554.8	21.82	23.50	1.472	-	-	-0.15	1.240	1.825
	LTE Band 7	20M	QPSK	1	99	Bottom Side	0mm	Ant 2	DSI 6	21100+21298	2535+2554.8	21.18	22.10	1.236	-	-	0.13	2.410	2.979
	LTE Band 7	20M	QPSK	1	99	Back Right	0mm	Ant 6	DSI 6	21100+21298	2535+2554.8	20.76	21.20	1.107	-	-	0.05	2.090	2.314
	LTE Band 2	20M	QPSK	1	99	Top Side	0mm	Ant 1	DSI 6	18900+19098	1880+1899.8	20.31	21.80	1.409	-	-	0.05	2.030	2.86
	LTE Band 2	20M	QPSK	1	0	Front	0mm	Ant 2	DSI 6	19100+18902	1900+1880.2	22.65	23.70	1.274	-	-	-0.15	2.310	2.943
	LTE Band 2	20M	QPSK	1	99	Right Side	0mm	Ant 6	DSI 6	18900+19098	1880+1899.8	19.11	20.50	1.377	-	-	0.07	1.060	1.46
	LTE Band 66	20M	QPSK	1	0	Top Side	0mm	Ant 1	DSI 6	132572+132374	1770+1750.2	20.91	22.10	1.315	-	-	0.03	2.210	2.906
	LTE Band 66	20M	QPSK	1	99	Bottom Side	0mm	Ant 2	DSI 6	132072+132270	1720+1739.8	22.67	24.00	1.358	-	-	-0.13	2.170	2.947
	LTE Band 66	20M	QPSK	1	99	Back Right	0mm	Ant 6	DSI 6	132072+132270	1720+1739.8	21.32	22.40	1.282	-	-	0.15	2.030	2.602
	LTE Band 41	20M	QPSK	1	99	Back Top	0mm	Ant 1	DSI 6	40185+40383	2549.5+2569.3	22.61	24.00	1.377	62.9	1.006	0.08	2.050	2.84
	LTE Band 41_HPUE	20M	QPSK	1	99	Back Top	0mm	Ant 1	DSI 6	40185+40383	2549.5+2569.3	24.11	25.80	1.476	42.9	1.009	-0.17	1.970	2.934
	LTE Band 41	20M	QPSK	1	99	Bottom Side	0mm	Ant 2	DSI 6	40185+40383	2549.5+2569.3	23.46	24.00	1.132	62.9	1.006	0.07	2.380	2.71
	LTE Band 41_HPUE	20M	QPSK	1	99	Bottom Side	0mm	Ant 2	DSI 6	40185+40383	2549.5+2569.3	25.08	26.20	1.294	42.9	1.009	0.16	2.240	2.925
	LTE Band 41	20M	QPSK	1	99	Back Right	0mm	Ant 6	DSI 6	41055+41253	2636.5+2656.3	21.53	22.50	1.250	62.9	1.006	0.18	1.840	2.314
	LTE Band 41_HPUE	20M	QPSK	1	99	Back Right	0mm	Ant 6	DSI 6	41055+41253	2636.5+2656.3	23.70	25.00	1.349	42.9	1.009	0.06	1.930	2.627
	LTE Band 42 (27Q)	20M	QPSK	1	0	Back Right	0mm	Ant 5	DSI 6	42990+43188	3540+3559.8	23.18	24.00	1.208	62.9	1.006	0.05	2.410	2.929
	LTE Band 42 (27Q)	20M	QPSK	1	99	Back Left	0mm	Ant 7	DSI 6	42590+42788	3500+3519.8	23.23	24.00	1.194	62.9	1.006	-0.01	1.460	1.754
	LTE Band 42 (96)	20M	QPSK	1	99	Back Right	0mm	Ant 5	DSI 6	43190+43388	3560+3579.8	23.25	24.00	1.189	62.9	1.006	0.07	2.180	2.608

NRCA SAR

Plot No	Band	BW	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n41	100M	BPSK	150	86	Bottom Side	0mm	Ant 0	DSI 6	516606+528594	2583.03+2642.97	23.33	24.00	1.167	100.0	1.000	-0.02	2.010	2.346
	FR1 n41_HPUE	100M	BPSK	150	86	Bottom Side	0mm	Ant 0	DSI 6	516606+528594	2583.03+2642.97	26.15	27.00	1.216	50.0	1.000	0.01	1.910	2.323
	FR1 n41	100M	BPSK	150	86	Top Side	0mm	Ant 1	DSI 6	516606+528594	2583.03+2642.97	21.94	22.80	1.219	100.0	1.000	-0.09	2.310	2.816
	FR1 n41_HPUE	100M	BPSK	150	86	Top Side	0mm	Ant 1	DSI 6	516606+528594	2583.03+2642.97	24.88	25.80	1.236	50.0	1.000	0.05	2.250	2.781
	FR1 n41	100M	BPSK	150	86	Bottom Side	0mm	Ant 2	DSI 6	516606+528594	2583.03+2642.97	22.46	23.30	1.213	100.0	1.000	0.08	2.010	2.438
	FR1 n41_HPUE	100M	BPSK	150	86	Bottom Side	0mm	Ant 2	DSI 6	516606+528594	2583.03+2642.97	25.40	26.30	1.230	50.0	1.000	0.02	1.950	2.399
	FR1 n41	100M	BPSK	150	86	Back Right	0mm	Ant 6	DSI 6	516606+528594	2583.03+2642.97	20.73	21.50	1.194	100.0	1.000	0.05	1.810	2.161
	FR1 n41_HPUE	100M	BPSK	150	86	Right Side	0mm	Ant 6	DSI 6	516606+528594	2583.03+2642.97	23.67	24.50	1.211	50.0	1.000	-0.04	1.750	2.119



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Plot No	Band	Mode	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	2.4GHz WLAN	802.11b 1Mbps	Front	0mm	Ant 3+6(3)	DSI 6	1	2412	23.00	24.50	1.413	97.7	1.024	0.06	1.050	1.519
	2.4GHz WLAN	802.11b 1Mbps	Back Top	0mm	Ant 3+6(3)	DSI 6	1	2412	23.00	24.50	1.413	97.7	1.024	0.10	1.590	2.301
	2.4GHz WLAN	802.11b 1Mbps	Back Top	0mm	Ant 3+6(3)	DSI 6	6	2437	22.02	23.50	1.406	97.7	1.024	-0.01	1.550	2.232
	2.4GHz WLAN	802.11b 1Mbps	Back Top	0mm	Ant 3+6(3)	DSI 6	11	2462	22.07	23.50	1.390	97.7	1.024	-0.12	1.340	1.907
	2.4GHz WLAN	802.11b 1Mbps	Back Right	0mm	Ant 3+6(3)	DSI 6	1	2412	23.00	24.50	1.413	97.7	1.024	-0.16	1.550	2.243
	2.4GHz WLAN	802.11b 1Mbps	Back Right	0mm	Ant 3+6(3)	DSI 6	6	2437	22.02	23.50	1.406	97.7	1.024	-0.06	1.420	2.044
124	2.4GHz WLAN	802.11b 1Mbps	Back Right	0mm	Ant 3+6(3)	DSI 6	11	2462	22.07	23.50	1.390	97.7	1.024	-0.02	2.250	3.203
	2.4GHz WLAN	802.11b 1Mbps	Right Side	0mm	Ant 3+6(3)	DSI 6	1	2412	23.00	24.50	1.413	97.7	1.024	-0.06	1.120	1.621
	2.4GHz WLAN	802.11b 1Mbps	Left Side	0mm	Ant 3+6(3)	DSI 4	1	2412	23.00	24.50	1.413	97.7	1.024	-0.04	0.620	0.897
	2.4GHz WLAN	802.11b 1Mbps	Top Side	0mm	Ant 3+6(3)	DSI 6	1	2412	23.00	24.50	1.413	97.7	1.024	0.05	1.820	2.633
	2.4GHz WLAN	802.11b 1Mbps	Top Side	0mm	Ant 3+6(3)	DSI 6	6	2437	22.02	23.50	1.406	97.7	1.024	-0.03	1.690	2.433
	2.4GHz WLAN	802.11b 1Mbps	Top Side	0mm	Ant 3+6(3)	DSI 6	11	2462	22.07	23.50	1.390	97.7	1.024	0.03	1.620	2.306
	2.4GHz WLAN	802.11n-HT40 MCS0	Back Right	0mm	Ant 3+6(3)	DSI 6	6	2437	21.26	23.00	1.493	97.7	1.024	0.08	1.930	2.951
	5.3GHz WLAN	802.11n-HT20 MCS0	Front	0mm	Ant 4+5(5)	DSI 6	52	5260	18.61	20.00	1.377	99.8	1.002	0.13	0.484	0.668
125	5.3GHz WLAN	802.11n-HT20 MCS0	Back Top	0mm	Ant 4+5(5)	DSI 6	52	5260	18.61	20.00	1.377	99.8	1.002	0.01	0.864	1.192
	5.3GHz WLAN	802.11n-HT20 MCS0	Back Right	0mm	Ant 4+5(5)	DSI 6	52	5260	18.61	20.00	1.377	99.8	1.002	-0.12	0.770	1.062
	5.3GHz WLAN	802.11n-HT20 MCS0	Left Side	0mm	Ant 4+5(5)	DSI 4	52	5260	18.61	20.00	1.377	99.8	1.002	0.01	0.057	0.079
	5.3GHz WLAN	802.11n-HT20 MCS0	Right Side	0mm	Ant 4+5(5)	DSI 6	52	5260	18.61	20.00	1.377	99.8	1.002	-0.1	0.403	0.556
	5.3GHz WLAN	802.11n-HT20 MCS0	Top Side	0mm	Ant 4+5(5)	DSI 6	52	5260	18.61	20.00	1.377	99.8	1.002	0.09	0.778	1.073
	5.5GHz WLAN	802.11a 6Mbps	Front	0mm	Ant 4+5(5)	DSI 6	144	5720	20.45	22.00	1.429	99.2	1.009	-0.01	1.350	1.947
	5.5GHz WLAN	802.11a 6Mbps	Back Top	0mm	Ant 4+5(5)	DSI 6	144	5720	20.45	22.00	1.429	99.2	1.009	0.05	1.150	1.658
126	5.5GHz WLAN	802.11a 6Mbps	Back Right	0mm	Ant 4+5(5)	DSI 6	144	5720	20.45	22.00	1.429	99.2	1.009	0.03	1.430	2.062
	5.5GHz WLAN	802.11a 6Mbps	Back Right	0mm	Ant 4+5(5)	DSI 6	100	5500	17.29	19.00	1.483	99.2	1.009	0.01	0.936	1.401
	5.5GHz WLAN	802.11a 6Mbps	Left Side	0mm	Ant 4+5(5)	DSI 4	144	5720	20.45	22.00	1.429	99.2	1.009	0.1	0.137	0.198
	5.5GHz WLAN	802.11a 6Mbps	Right Side	0mm	Ant 4+5(5)	DSI 6	144	5720	20.45	22.00	1.429	99.2	1.009	0.17	0.919	1.325
	5.5GHz WLAN	802.11a 6Mbps	Top Side	0mm	Ant 4+5(5)	DSI 6	144	5720	20.45	22.00	1.429	99.2	1.009	0.06	0.853	1.230
	5.8GHz WLAN	802.11ac-VHT20 MCS0	Front	0mm	Ant 4+5(5)	DSI 6	165	5825	21.23	23.00	1.503	99.6	1.004	-0.05	0.839	1.266
	5.8GHz WLAN	802.11ac-VHT20 MCS0	Back Top	0mm	Ant 4+5(5)	DSI 6	165	5825	21.23	23.00	1.503	99.6	1.004	0.11	0.903	1.363
127	5.8GHz WLAN	802.11ac-VHT20 MCS0	Back Right	0mm	Ant 4+5(5)	DSI 6	165	5825	21.23	23.00	1.503	99.6	1.004	0.06	0.968	1.461
	5.8GHz WLAN	802.11ac-VHT20 MCS0	Left Side	0mm	Ant 4+5(5)	DSI 4	165	5825	21.23	23.00	1.503	99.6	1.004	0.01	0.082	0.124
	5.8GHz WLAN	802.11ac-VHT20 MCS0	Right Side	0mm	Ant 4+5(5)	DSI 6	165	5825	21.23	23.00	1.503	99.6	1.004	-0.15	0.161	0.243
	5.8GHz WLAN	802.11ac-VHT20 MCS0	Top Side	0mm	Ant 4+5(5)	DSI 6	165	5825	21.23	23.00	1.503	99.6	1.004	-0.04	0.396	0.598

【WLAN 6GHz SAR】

Plot No	Band	Mode	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m^2)
	WLAN6GHz	802.11be-EHT320 MCS0	Front	0mm	Ant 5+4(4)	DSI 6	31	6105	16.01	17.5	1.409	99.64	1.004	-0.03	0.259	0.366	6.140
	WLAN6GHz	802.11be-EHT320 MCS0	Back	0mm	Ant 5+4(4)	DSI 6	31	6105	16.01	17.5	1.409	99.64	1.004	0.010	0.174	0.246	3.600
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	0mm	Ant 5+4(4)	DSI 6	31	6105	16.01	17.5	1.409	99.64	1.004	0.05	0.273	0.386	6.430
	WLAN6GHz	802.11be-EHT320 MCS0	Back Right	0mm	Ant 5+4(4)	DSI 6	31	6105	16.01	17.5	1.409	99.64	1.004	0.02	0.210	0.297	4.900
	WLAN6GHz	802.11be-EHT320 MCS0	Left Side	0mm	Ant 5+4(4)	DSI 4	127	6585	16.72	18	1.343	99.64	1.004	-0.03	0.011	0.015	0.245
	WLAN6GHz	802.11be-EHT320 MCS0	Right Side	0mm	Ant 5+4(4)	DSI 6	31	6105	16.01	17.5	1.409	99.64	1.004	0.01	0.142	0.201	3.240
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	0mm	Ant 5+4(4)	DSI 6	63	6265	14.96	16	1.271	99.64	1.004	-0.05	0.176	0.225	4.020
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	0mm	Ant 5+4(5)	DSI 6	95	6425	16.58	18	1.387	99.64	1.004	0.02	0.265	0.369	6.020
128	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	0mm	Ant 5+4(5)	DSI 6	127	6585	16.53	18	1.403	99.64	1.004	0.09	0.322	0.454	7.300
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	0mm	Ant 5+4(5)	DSI 6	159	6745	17.01	18.5	1.409	99.64	1.004	-0.09	0.251	0.355	5.530
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	0mm	Ant 5+4(5)	DSI 6	191	6905	16.53	18	1.403	99.64	1.004	0.02	0.252	0.355	5.830
	WLAN6GHz	802.11be-EHT320 MCS0	Top Side	0mm	Ant 5+4(4)	DSI 6	31	6105	16.01	17.5	1.409	99.64	1.004	0.05	0.201	0.284	5.210
	WLAN6GHz	802.11be-EHT320 MCS0	Front	6mm	Ant 5+4(4)	DSI 4	127	6585	16.72	18	1.343	99.64	1.004	0.08	0.098	0.132	2.540

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WLAN6GHz	802.11be-EHT320 MCS0	Back	6mm	Ant 5+4(4)	DSI 4	127	6585	16.72	18	1.343	99.64	1.004	0.01	0.095	0.128	2.460
WLAN6GHz	802.11be-EHT320 MCS0	Right Side	9mm	Ant 5+4(4)	DSI 4	127	6585	16.72	18	1.343	99.64	1.004	0.03	0.060	0.081	1.560
WLAN6GHz	802.11be-EHT320 MCS0	Top Side	6mm	Ant 5+4(4)	DSI 4	127	6585	16.72	18	1.343	99.64	1.004	-0.08	0.014	0.019	0.363

【NFC SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	ASK	Front	0mm	NFC	0	13.56	0.08	0.001
129	NFC	ASK	Back	0mm	NFC	0	13.56	-0.05	0.005
	NFC	ASK	Left Side	0mm	NFC	0	13.56	-0.14	0.001
	NFC	ASK	Right Side	0mm	NFC	0	13.56	0.05	0.001
	NFC	ASK	Top Side	0mm	NFC	0	13.56	0.12	0.001
	NFC	ASK	Bottom Side	0mm	NFC	0	13.56	-0.03	0.001

<UWB SAR>

Plot No	Band	Mode	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
130	UWB	802.15.4ab	Front	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	0.08	0.368	0.628
	UWB	802.15.4ab	Back	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	0.08	0.230	0.393
	UWB	802.15.4ab	Back Right	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	0.08	0.241	0.411
	UWB	802.15.4ab	Left Side	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	0.01	0.025	0.043
	UWB	802.15.4ab	Right Side	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	0.03	0.266	0.454
	UWB	802.15.4ab	Top Side	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	-0.08	0.040	0.068
	UWB	802.15.4ab	Bottom Side	0mm	Ant 5	DSI 6	49	5848.75	18.33	20	1.469	86.04	1.162	-0.08	0.028	0.048

15.5 6GHz PD Test Result

WLAN PD

Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (A)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 5+4(4)	31	6105	14.01	0.0625	0.271	-0.89474943	0.493	0.657
WLAN6GHz	802.11be-EHT320 MCS0	Front	9.83mm	Ant 5+4(4)	31	6105	14.01	0.25	0.333		0.098	0.204
WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 5+4(4)	191	6905	13.97	0.0625	0.39	-0.64073828	0.59	0.837
WLAN6GHz	802.11be-EHT320 MCS0	Front	8.69mm	Ant 5+4(4)	191	6905	13.97	0.25	0.452		0.105	0.208

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (A)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
01	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 5+4(5)	127	6585	16.53	18.00	1.403	100.00	1.000	0.0625	1.5535	0.1	2.06	4.49	2.72	5.93
02	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	2mm	Ant 5+4(5)	127	6585	16.53	18.00	1.403	100.00	1.000	0.0625	1.5535	0.1	0.424	0.92	0.577	1.26
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant 5+4(5)	127	6585	16.53	18.00	1.403	100.00	1.000	0.0625	1.5535	0.06	0.189	0.412	0.233	0.508

15.6 Repeated SAR Measurement

【Repeat SAR 1g - FCC】

No.	Band	Mode	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)	Ratio
1st	LTE Band 13	10M_QPSK_25	Back	5.0	Ant 1	DSI 7	23230	782	22.94	23.70	1.191			-0.02	1.070	1.274	-
2nd	LTE Band 13	10M_QPSK_25	Back	5.0	Ant 1	DSI 7	23230	782	22.94	23.70	1.191			-0.14	1.010	1.203	1.06
1st	GSM850	GPRS 4 Tx slots	Back	5.0	Ant 1	DSI 7	189	836.4	26.81	27.40	1.145			0.01	1.110	1.272	-
2nd	GSM850	GPRS 4 Tx slots	Back	5.0	Ant 1	DSI 7	189	836.4	26.81	27.40	1.145			0.09	1.060	1.214	1.05
1st	FR1 n66	45M_BPSK_1_1	Back	5.0	Ant 1	DSI 7	349000	1745	16.43	17.00	1.140			0.08	1.120	1.277	-
2nd	FR1 n66	45M_BPSK_1_1	Back	5.0	Ant 1	DSI 7	349000	1745	16.43	17.00	1.140			-0.12	0.998	1.138	1.12
1st	LTE Band 25	20M_QPSK_1	Back	5.0	Ant 1	DSI 7	26140	1860	16.05	16.40	1.084			-0.12	1.180	1.279	-
2nd	LTE Band 25	20M_QPSK_1	Back	5.0	Ant 1	DSI 7	26140	1860	16.05	16.40	1.084			0.08	1.130	1.225	1.04
1st	2.4GHz WLAN	20M_802.11b 1Mbps	Left Cheek	0.0	Ant 3+6	DSI 2	11	2462	19.26	20.50	1.331	97.65	1.024	0.03	0.910	1.239	-
2nd	2.4GHz WLAN	20M_802.11b 1Mbps	Left Cheek	0.0	Ant 3+6	DSI 2	11	2462	19.26	20.50	1.331	97.65	1.024	0.09	0.854	1.164	1.06
1st	LTE Band 41	20M_QPSK_1	Bottom Side	5.0	Ant 2	DSI 7	41490	2680	22.76	22.90	1.033	42.90	1.009	0.03	1.230	1.282	-
2nd	LTE Band 41	20M_QPSK_1	Bottom Side	5.0	Ant 2	DSI 7	41490	2680	22.76	22.90	1.033	42.90	1.009	-0.04	1.150	1.199	1.07
1st	FR1 n48	40M_BPSK_50_28	Left Tilted	0.0	Ant 4	DSI 2	641666	3625	16.63	17.00	1.089			-0.04	1.180	1.285	-
2nd	FR1 n48	40M_BPSK_50_28	Left Tilted	0.0	Ant 4	DSI 2	641666	3625	16.63	17.00	1.089			-0.15	1.110	1.209	1.06
1st	5.8GHz WLAN	80M_802.11ac-VHT80 MCS0	Back	5.0	Ant 4+5	DSI 7	155	5775	15.89	17.00	1.291	99.63	1.004	0.10	0.918	1.190	-
2nd	5.8GHz WLAN	80M_802.11ac-VHT80 MCS0	Back	5.0	Ant 4+5	DSI 7	155	5775	15.89	17.00	1.291	99.63	1.004	-0.01	0.878	1.138	1.05

【Repeat SAR 10g - FCC】

No.	Band	Mode	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Ratio
1st	FR1 n26 HPUE	20M_BPSK_1_1	Back Top	0.0	Ant 1	DSI 6	166300	831.5	26.82	27.00	1.042			-0.13	2.210	2.303	-
2nd	FR1 n26 HPUE	20M_BPSK_1_1	Back Top	0.0	Ant 1	DSI 6	166300	831.5	26.82	27.00	1.042			0.06	2.150	2.241	1.03
1st	LTE Band 66	20M_QPSK_1	Top Side	0.0	Ant 1	DSI 6	132572	1770	21.03	22.10	1.279			-0.01	2.460	3.146	-
2nd	LTE Band 66	20M_QPSK_1	Top Side	0.0	Ant 1	DSI 6	132572	1770	21.03	22.10	1.279			0.09	2.410	3.083	1.02
1st	LTE Band 25	20M_QPSK_1	Front	0.0	Ant 2	DSI 6	26590	1905	22.87	23.70	1.211			0.07	2.620	3.173	-
2nd	LTE Band 25	20M_QPSK_1	Front	0.0	Ant 2	DSI 6	26590	1905	22.87	23.70	1.211			-0.12	2.510	3.039	1.04
1st	2.4GHz WLAN	20M_802.11b 1Mbps	Back Right	0.0	Ant 3+6	DSI 6	11	2462	25.43	27.00	1.435	97.65	1.024	-0.02	2.250	3.203	-
2nd	2.4GHz WLAN	20M_802.11b 1Mbps	Back Right	0.0	Ant 3+6	DSI 6	11	2462	25.43	27.00	1.435	97.65	1.024	0.16	2.190	3.220	0.99
1st	LTE Band 7	20M_QPSK_1	Bottom Side	0.0	Ant 2	DSI 6	21100	2535	21.26	22.10	1.213			-0.02	2.590	3.142	-
2nd	LTE Band 7	20M_QPSK_1	Bottom Side	0.0	Ant 2	DSI 6	21100	2535	21.26	22.10	1.213			0.08	2.530	3.070	1.02
1st	LTE Band 42	20M_QPSK_1	Back Right	0.0	Ant 5	DSI 6	42990	3540	23.14	24.00	1.219	62.90	1.006	0.12	2.490	3.054	-
2nd	LTE Band 42	20M_QPSK_1	Back Right	0.0	Ant 5	DSI 6	42990	3540	23.14	24.00	1.219	62.90	1.006	-0.06	2.430	2.981	1.02

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR < 1.45 W/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.

15.7 Power Class 2 and Power Class 3 Linearity

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41 and FR1 n41/n77. The highest available duty cycle for Power Class 2 operation is 43.3% for LTE and 50% for 5GNR using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

【Head】

LTE Band 41 (2496~2690MHz)_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.4	24.0
Reported 1g SAR (W/kg)	0.868	0.921
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	110.0	108.76
Linearity SAR (W/kg)	0.86	
% deviation from Expected Linearity		7.32 %

LTE Band 41 (2496~2690MHz)_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 1g SAR (W/kg)	0.069	0.087
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	159.0	217.01
Linearity SAR (W/kg)	0.09	
% deviation from Expected Linearity		-7.62 %

LTE Band 41 (2496~2690MHz)_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.5	25.0
Reported 1g SAR (W/kg)	0.965	1.065
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	112.57	136.93
Linearity SAR (W/kg)	1.17	
% deviation from Expected Linearity		-9.27 %

FR1 n41_Ant 0	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 1g SAR (W/kg)	0.138	0.126
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.14	
% deviation from Expected Linearity		-8.48 %

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.1	24.1
Reported 1g SAR (W/kg)	1.202	1.274
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	128.82	128.52
Linearity SAR (W/kg)	1.20	
% deviation from Expected Linearity		6.24 %

FR1 n41_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 1g SAR (W/kg)	0.105	0.112
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.10	
% deviation from Expected Linearity		6.92 %

FR1 n41_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.8	23.8
Reported 1g SAR (W/kg)	1.082	1.148
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	120.23	119.94

Linearity SAR (W/kg)	1.08	
% deviation from Expected Linearity		6.36 %
FR1 n77 (270) _Ant 4 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	17.7	20.7
Reported 1g SAR (W/kg)	1.277	1.201
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	58.88	58.74
Linearity SAR (W/kg)	1.27	
% deviation from Expected Linearity		-5.73%
FR1 n77 (270) _Ant 5 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.5	24.5
Reported 1g SAR (W/kg)	1.071	1.020
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	141.25	140.92
Linearity SAR (W/kg)	1.07	
% deviation from Expected Linearity		-4.54%
FR1 n77 (270) _Ant 7 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.5	24.5
Reported 1g SAR (W/kg)	1.265	1.216
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	141.25	140.92
Linearity SAR (W/kg)	1.26	
% deviation from Expected Linearity		-3.65%
FR1 n77 (270) _Ant 8 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 1g SAR (W/kg)	0.265	0.261
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.26	
% deviation from Expected Linearity		-1.27%

【Hotspot】

LTE Band 41 (2496~2690MHz) _Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.8	23.4
Reported 1g SAR (W/kg)	1.266	1.254
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	95.81	94.73
Linearity SAR (W/kg)	1.25	
% deviation from Expected Linearity		0.18 %

LTE Band 41 (2496~2690MHz) _Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.3	22.9
Reported 1g SAR (W/kg)	1.192	1.282
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	85.39	84.43
Linearity SAR (W/kg)	1.18	
% deviation from Expected Linearity		8.77 %

LTE Band 41 (2496~2690MHz) _Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.2	22.8
Reported 1g SAR (W/kg)	1.087	1.058
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	83.45	82.51
Linearity SAR (W/kg)	1.07	
% deviation from Expected Linearity		-1.56 %

FR1 n41_ Ant 0	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.7	26.7
Reported 1g SAR (W/kg)	1.207	1.274
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	234.42	233.87
Linearity SAR (W/kg)	1.20	
% deviation from Expected Linearity		5.80 %

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	19.2	22.2
Reported 1g SAR (W/kg)	1.273	1.210
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	83.18	82.98
Linearity SAR (W/kg)	1.27	
% deviation from Expected Linearity		-4.72 %

FR1 n41_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.0	24.0
Reported 1g SAR (W/kg)	1.278	1.190
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	125.89	125.59
Linearity SAR (W/kg)	1.27	
% deviation from Expected Linearity		-6.66 %

FR1 n41_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	19.0	22.0
Reported 1g SAR (W/kg)	1.065	1.030
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	1.06	
% deviation from Expected Linearity		-3.05 %

FR1 n77 (270)_Ant 4 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.1	21.1
Reported 1g SAR (W/kg)	1.196	1.134
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	64.57	64.41
Linearity SAR (W/kg)	1.19	
% deviation from Expected Linearity		-4.95%

FR1 n77 (270)_Ant 5 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.4	23.4
Reported 1g SAR (W/kg)	0.921	0.851
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	109.65	109.39
Linearity SAR (W/kg)	0.92	
% deviation from Expected Linearity		-7.38%

FR1 n77 (270)_Ant 7 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.8	23.8
Reported 1g SAR (W/kg)	1.181	1.158
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	120.23	119.94
Linearity SAR (W/kg)	1.18	
% deviation from Expected Linearity		-1.71%

FR1 n77 (270)_Ant 8 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.2	23.2
Reported 1g SAR (W/kg)	1.262	1.214
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	104.71	104.46
Linearity SAR (W/kg)	1.26	
% deviation from Expected Linearity		-3.57%

【 Body_Worn 】

LTE Band 41 (2496~2690MHz)_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.8	23.4
Reported 1g SAR (W/kg)	1.266	1.254
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	95.81	94.73
Linearity SAR (W/kg)	1.25	
% deviation from Expected Linearity		0.18 %

LTE Band 41 (2496~2690MHz)_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.0	24.6
Reported 1g SAR (W/kg)	1.261	1.279
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	126.3	124.88
Linearity SAR (W/kg)	1.25	
% deviation from Expected Linearity		2.58 %

LTE Band 41 (2496~2690MHz)_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.5	24.8
Reported 1g SAR (W/kg)	1.010	1.185
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	112.57	130.76
Linearity SAR (W/kg)	1.17	
% deviation from Expected Linearity		1.01 %

FR1 n41_Ant 0	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 1g SAR (W/kg)	0.914	0.898
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.91	
% deviation from Expected Linearity		-1.52 %

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	19.2	22.2
Reported 1g SAR (W/kg)	1.273	1.210
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	83.18	82.98
Linearity SAR (W/kg)	1.27	
% deviation from Expected Linearity		-4.72 %

FR1 n41_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.3	25.3
Reported 1g SAR (W/kg)	1.279	1.255
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	169.82	169.42
Linearity SAR (W/kg)	1.28	
% deviation from Expected Linearity		-1.64 %

FR1 n41_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.0	23.0
Reported 1g SAR (W/kg)	1.086	1.064
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	100.0	99.76
Linearity SAR (W/kg)	1.08	
% deviation from Expected Linearity		-1.79 %

FR1 n77 (270)_Ant 4 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.6	21.6
Reported 1g SAR (W/kg)	0.475	0.474
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	72.44	72.27
Linearity SAR (W/kg)	0.47	
% deviation from Expected Linearity		0.02%



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FR1 n77 (270)_Ant 5 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.4	23.4
Reported 1g SAR (W/kg)	0.921	0.851
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	109.65	109.39
Linearity SAR (W/kg)	0.92	
% deviation from Expected Linearity		-7.38%
FR1 n77 (270)_Ant 7 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.8	23.8
Reported 1g SAR (W/kg)	1.181	1.158
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	120.23	119.94
Linearity SAR (W/kg)	1.18	
% deviation from Expected Linearity		-1.71%
FR1 n77 (270)_Ant 8 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.5	26.5
Reported 1g SAR (W/kg)	1.084	1.040
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	223.87	223.34
Linearity SAR (W/kg)	1.08	
% deviation from Expected Linearity		-3.83%

【Extremity】

LTE Band 41 (2496~2690MHz)_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	25.8
Reported 10g SAR (W/kg)	2.952	3.172
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	159.0	164.62
Linearity SAR (W/kg)	3.06	
% deviation from Expected Linearity		3.78 %

LTE Band 41 (2496~2690MHz)_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	26.2
Reported 10g SAR (W/kg)	2.684	3.175
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	159.0	180.5
Linearity SAR (W/kg)	3.05	
% deviation from Expected Linearity		4.20 %

LTE Band 41 (2496~2690MHz)_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.5	25.0
Reported 10g SAR (W/kg)	2.307	2.735
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	112.57	136.93
Linearity SAR (W/kg)	2.81	
% deviation from Expected Linearity		-2.54 %

FR1 n41_Ant 0	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 10g SAR (W/kg)	2.515	2.452
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	2.51	
% deviation from Expected Linearity		-2.27 %

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.8	25.8
Reported 10g SAR (W/kg)	3.204	3.118
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	190.55	190.09
Linearity SAR (W/kg)	3.20	
% deviation from Expected Linearity		-2.45 %



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FR1 n41_Ant 2	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.3	26.3
Reported 10g SAR (W/kg)	3.141	2.929
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	213.8	213.29
Linearity SAR (W/kg)	3.13	
% deviation from Expected Linearity		-6.53 %

FR1 n41_Ant 6	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.5	24.5
Reported 10g SAR (W/kg)	2.298	2.225
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	141.25	140.92
Linearity SAR (W/kg)	2.29	
% deviation from Expected Linearity		-2.95 %

FR1 n77 (270)_Ant 4 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.4	24.4
Reported 10g SAR (W/kg)	3.144	3.049
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	138.04	137.71
Linearity SAR (W/kg)	3.14	
% deviation from Expected Linearity		-2.79%

FR1 n77 (270)_Ant 5 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 10g SAR (W/kg)	2.677	2.713
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	2.67	
% deviation from Expected Linearity		1.59%

FR1 n77 (270)_Ant 7 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.0	27.0
Reported 10g SAR (W/kg)	2.719	2.529
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	2.71	
% deviation from Expected Linearity		-6.77%

FR1 n77 (270)_Ant 8 (n77 part 270)	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.5	23.5
Reported 10g SAR (W/kg)	1.899	1.827
Duty Cycle (%)	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94
Linearity SAR (W/kg)	1.89	
% deviation from Expected Linearity		-3.57%

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN	Yes	Yes	Yes	Yes
3.	WWAN + 6GHz WLAN	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + 802.15.4ab	Yes	Yes	Yes	Yes
6.	5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
7.	6GHz WLAN + Bluetooth	Yes	Yes		Yes
8.	5GHz WLAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
9.	6GHz WLAN + 2.4GHz WLAN	Yes	Yes		Yes
10.	WWAN + 802.15.4ab	Yes	Yes	Yes	Yes
11.	WWAN + 5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
12.	WWAN + 6GHz WLAN + Bluetooth	Yes	Yes		Yes
13.	WWAN +5GHz WLAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
14.	WWAN +6GHz WLAN + 2.4GHz WLAN	Yes	Yes		Yes
15.	WWAN + 2.4GHz WLAN + 802.15.4ab	Yes	Yes	Yes	Yes
16.	WWAN + 2.4GHz WLAN+NFC				Yes
17.	WWAN + 5GHz WLAN+NFC				Yes
18.	WWAN + 6GHz WLAN+NFC				Yes
19.	WWAN + Bluetooth + NFC				Yes
20.	WAN + 802.15.4ab + NFC				Yes
21.	5GHz WLAN + Bluetooth + NFC				Yes
22.	6GHz WLAN + Bluetooth + NFC				Yes
23.	5GHz WLAN + 2.4GHz WLAN + NFC				Yes
24.	6GHz WLAN + 2.4GHz WLAN + NFC				Yes
25.	2.4GHz WLAN + 802.15.4ab + NFC				Yes
26.	WWAN +5GHz WLAN + Bluetooth + NFC				Yes
27.	WWAN +6GHz WLAN + Bluetooth + NFC				Yes
28.	WWAN +5GHz WLAN + 2.4GHz WLAN+NFC				Yes
29.	WWAN +6GHz WLAN + 2.4GHz WLAN+NFC				Yes
30.	WWAN + 2.4GHz WLAN + 802.15.4ab+NFC				Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. WWAN above includes 5G NR bands and EN-DC combination.
3. EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
4. For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. Therefore, simultaneous transmission compliance between 4G+5G NR operations within an antenna group is demonstrated in the Part 2 Report during algorithm validation.
5. This device WLAN 2.4GHz 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). WLAN 6GHz has no hotspot function.
7. According to the EUT characteristic, WLAN 2.4GHz and Bluetooth cannot transmit simultaneously.
8. According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
9. According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
10. According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz cannot transmit simultaneously.
11. According to the EUT characteristic, UWB (802.15.4ab) and WLAN 5GHz/6GHz cannot transmit simultaneously.
12. NFC can transmit simultaneously with other Radios in extremity exposure condition.
13. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
14. For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.

15. The equipment under test (EUT) contains the Qualcomm modems supporting 2G/3G/4G/5G technologies and WLAN/BT/ UWB (802.15.4ab) technologies. these modems are always enabled with Qualcomm Smart Transmit feature to control and manage transmitting power in real time and to ensure the time-averaged RF exposure follows the FCC requirement. Smart Transmit algorithm controls the total RF exposure from all WWAN/WLAN/BT/ UWB (802.15.4ab) to not exceed FCC limit and each antenna group has controlled the total RF exposure from all transmitter to not exceed FCC limit. Therefore, in Part.1 report, it is evaluated whether the sum of the groups of each antenna does not exceed FCC limit or spatial separation is applied. In addition, each antenna needs to satisfy simultaneous transmission analysis with External radios (NFC) in this report at extremity exposure condition.
16. The maximum SAR summation is calculated based on the same configuration and test position.
17. 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.
 - v) The SPLSR calculated results please refer to section 16.9.
18. Since the WPT will only operate on body condition, therefore, WPT transmit with WWAN/WLAN/BT UWB (802.15.4ab) only consider at hotspot / body-worn/extremity conditions, the further Sim-Tx analysis include in section 16.8.
19. The simultaneous transmission analysis, considering UWB (6489.6 MHz & 7987.2 MHz) power is very smaller and no risk, the contribution of UWB to the total TER can be neglected.

16.1 Qualcomm Smart Transmit Simultaneous Transmission Guidance

Based on Qualcomm Smart Transmit simultaneous transmission analysis guidance, If all radios are selected to be under Smart Transmit control in EFS version 19 (or higher), then RF exposure from radios are managed by Smart Transmit in the same way. No additional TER analysis is needed

Smart Transmit current implementation assumes hotspots from all active radios are collocated. Therefore, for a total of 100% exposure margin, if primary radio uses x%, then the exposure margin left for secondary radio(s) is capped to (100-x)%. Thus, the compliance equation for simultaneous active radios, such as follow,

$$x\% * A + (100-x)\% * B \leq 1.0$$

where, A is normalized time-averaged SAR exposure corresponding to “maximum of {minimum [EFS Plimit + device uncertainty; NV setting Pmax + device uncertainty]; EFS Plimit}” from primary radio, and $A \leq 1.0$; B for secondary radio(s) is

(for legacy radio or sub6 NR): normalized time-averaged SAR exposure corresponding to “maximum of {minimum [EFS Plimit + device uncertainty; NV setting Pmax + device uncertainty]; EFS Plimit } ”

and $B \leq 1.0$. As can be seen, A and B by definition is the exposure corresponding to “maximum of {minimum [EFS Plimit + device uncertainty; NV setting Pmax + device uncertainty]; EFS Plimit}”, and it is NOT defined as reported exposure

The total RF exposure in this simultaneous transmission scenario is controlled and managed within Smart Transmit operation, and the compliance is demonstrated in Part 2 test.

16.2 MIMO SAR Test condition and verification

General Note:

1. Smart Transmit EFS v20 (or lower) uses SISO Plimit to calculate RF exposure from MIMO transmission scenario. Therefore, if MIMO is supported for WWAN technologies (including 5G sub6 NR), below procedure should be performed for validity of Smart Transmit operation:
 - 1) Below procedure should also be performed for Smart Transmit EFS v21 (or higher) if MIMO Plimit is not populated in the EFS but MIMO operation is supported for antennas belonging to the same antenna group (refer to Section 4.2.5 of Qualcomm's document 80-W2112-4).
2. Measure SAR for supported MIMO scenarios in FTM mode with each of the MIMO antennas set to transmit continuously at $P_{test} = \text{minimum} \{P_{limit}(i), P_{max}(i); i=1 \text{ to } n \text{ MIMO antennas}\}$, where $P_{limit}(i)$ is the power level entered in the Smart Transmit EFS for antenna i under the corresponding tech/band/DSI. For Smart Transmit to ensure the compliance in MIMO transmission scenario, the below criteria should be met for measured MIMO SAR (i.e., highest peak spatial-average SAR from the measurement):

$$reported\ SAR_{MIMO} = Measured\ MIMO\ SAR_{MIMO} \text{ at } (P_{test} + device\ total\ uncertainty) \leq calc.\ SAR$$

$$Where\ calc.\ SAR = \sum_{i=1}^n \left[SAR_design_target * 10^{\left(\frac{total\ uncertainty + P_{test} - P_{limit}(i) - backoff(i)}{10} \right)} \right]$$

Here,

 - n is number of MIMO antennas (in case of 2x2MIMO, $n=2$).
 - $P_{limit}(i)$ is EFS P_{limit} for antenna $i \in$ MIMO for a given tech/band/DSI. P_{limit} corresponds to SAR_design_target .
 - $backoff(i)$ is backoff from SAR_design_target used for the i th antenna's P_{limit} to meet TER with external radios (i.e., radios outside of Smart Transmit control). If EFS P_{limit} of antenna i corresponds to SAR_design_target , then $backoff(i) = 0$ in the above equation.
 - P_{test} (i.e., power level used for MIMO SAR measurement, $MIMO.SAR @ P_{test}$) = $\min \{P_{limit}(i), P_{max}(i), i = 1 \text{ to } n \text{ MIMO antenna}\}$. To further clarify, $P_{test} = \min \{P_{limit}(i), SISO.P_{max}(i), MIMO.P_{max}, i = 1 \text{ to } n \text{ antenna} \in MIMO\}$, where, P_{limit} corresponds to SAR_design_target ; $SISO.P_{max}$ and $MIMO.P_{max}$ correspond to the maximum output power (nominal levels without device uncertainty) that device is capable; here, P_{test} is nominal power level, not measured level.
3. If the $reported\ SAR_{MIMO}$ does not meet the above condition, then $P_{limit}(i)$ for each of the MIMO antenna in the Smart Transmit EFS should be reduced by $10 \cdot \log_{10}[reported\ SAR_{MIMO} / calc.\ SAR]$ dB.
4. This test is not needed if MIMO antennas are in different AGs.
5. Per Qualcomm's document guideline, FR1/WLAN MIMO Plimit is configured in the EFS and FR1/WLAN MIMO antennas belong to the same antenna group, then SAR measurement results at MIMO Plimit for the corresponding FR1/WLAN MIMO transmission scenario can be referred to section 15 in this report.
6. This test is not needed if MIMO antennas are in different AGs.

16.3 Sub6 Antenna Groups

The Qualcomm® Smart Transmit™ Plus2.0 of Smart Transmit (GEN2) Feature operates based on pre-defined sub6 antenna groups (AG). Sub6 Tx antennas in the device are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

- 1) Case 1: Demonstrate that Sum of maximum reported SAR from each of the sub6 AGs and the reported normalized SAR values from radios outside Smart Transmit should be less than regulatory limits for each supported DSI. This condition must be demonstrated for all antenna combinations of sub6 AGs.
 - i. For a given DSI, obtain the highest *reported* SAR for each antenna out of all supported technologies and frequency bands. Obtain the maximum *reported* SAR for each AG by taking the maximum out of *reported* SAR for all antennas belonging to each AG.
 - ii. Demonstrate that the sum of maximum reported SAR (normalized to regulatory limit) from each of the sub6 AGs and the sum of reported SAR (normalized to regulatory limit) from all supported radios outside of Smart Transmit should be less than 1.0
- 2) Case 2: If the Case 1 is NOT met, then for a given antenna grouping scheme plus external radios/antennas (ERs) (referred to as 'configuration'), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet SPLSR criteria (Section 4.3.2 (c) in FCC KDB 447498 D01 v06) for each exposure position under each supported DSI. For a given exposure position under a given DSI, prove all AG pairs, all ER pairs and all (AG, ER) pairs (if there are external radios outside Smart Transmit) in the configuration meet SPLSR.

This device supports two sub6 AG: AG0 and AG1, the detailed please refer to the below table:

Antenna Group 0 (AG0)	ANT1 & ANT4 & ANT5 & ANT6 & ANT3& ANT7
Antenna Group 1 (AG1)	ANT0 & ANT2 & ANT8

The conditions are verified through the following criterias:

- i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.
 1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets: $\{ [\text{max.SAR.AG0} + \text{max.SAR.AG1}] + \text{each external radio worst-case reported SAR (ex: NFC)} \} \leq 1.6$ (for 1g, or 4.0 for 10g). (each external radio worst-case reported SAR is the worst SAR in all combinations of each external radio simultaneous transmission).
- ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. This criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:
 - a. SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
 - b. Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
 - c. Use the 'closest' peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by 'closest', select the peak location out of all antennas (ϵ AGj) that is closest to the peak location of other AG where SPLSR is evaluated.
- iii) (combination of SPLSR SAR1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6g antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the WIFI/BT antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to: $\{ \text{max.SAR.AG0} + \text{worst-case reported SAR} \} \leq 1.6$ and $\{ \text{max.SAR.AG1} + \text{worst-case reported SAR} \} \leq 1.6$ for compliance demonstration (for 1g, or 4.0 for 10g).
- iv) Obtain the worst-case reported SAR for each antenna group, (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and WIFI/BT antennas supported Smart Transmit technology and there is no other radios in this report, and demonstrate that the sum of these RF exposures meets: $\{ [\text{max.SAR.AG0} + \text{max.SAR.AG1}] \} \leq 1.6$ (for 1g, or 4.0 for 10g).

For summed SAR results and SPLSR detailed analysis please refer to section 16.4 / 16.5 / 16.6 / 16.7 / 16.8/ 16.9 of this report. All of the combinations of sub6 antenna groups are sufficient to show that AG0 is mutually exclusive from AG1 and



that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

16.4 Head Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WWAN+BT:

AG0 maximum reported SAR:

Test Position	WWAN6GHz Ant5+4	UWB Ant5	MAX
Right Cheek	0.209	0.266	0.266
Right Tilted	0.219	0.133	0.219
Left Cheek	0.274	0.951	0.951
Left Tilted	0.39	0.292	0.390

AG1 maximum reported SAR:

Test Position	Ant0	Ant2	Ant8	MAX
Right Cheek	0.183	0.227	0.3	0.227
Right Tilted	0.138	0.182	0.095	0.182
Left Cheek	0.37	0.184	0.204	0.370
Left Tilted	0.199	0.165	0.184	0.199

Simultaneous Transmission analysis of AG0 + AG1 Worse-case:

Test Position	AG0	AG1	AG0+AG1
Right Cheek	0.266	0.227	0.49
Right Tilted	0.219	0.182	0.40
Left Cheek	0.951	0.370	1.32
Left Tilted	0.390	0.199	0.59

<WWAN DSI 2, WLAN DSI 2, Bluetooth DSI 2>

WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		WWAN6		WWAN7		WWAN8		Exposure Position	1	2	3	4	5	6	7	8
Max WWAN	Ant 0	Max WWAN	Ant 2	Max WWAN	Ant 8	Max WWAN	Ant 1	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7		WWAN1 1g SAR (W/kg)	WWAN2 1g SAR (W/kg)	WWAN3 1g SAR (W/kg)	WWAN4 1g SAR (W/kg)	WWAN5 1g SAR (W/kg)	WWAN6 1g SAR (W/kg)	WWAN7 1g SAR (W/kg)	WWAN8 1g SAR (W/kg)
																Right Cheek	0.183	0.227	0.300	1.280	0.710	0.313	0.633	1.288
																Right Tilted	0.138	0.182	0.095	1.239	0.892	0.254	0.183	0.620
																Left Cheek	0.370	0.184	0.204	0.598	1.173	1.289	1.273	0.396
																Left Tilted	0.199	0.165	0.184	0.709	1.285	0.969	0.483	0.215

<WWAN DSI 2, WLAN DSI 2, Bluetooth DSI 2>

9	10	11	12	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+8 Summed 1g SAR (W/kg)	1+9 Summed 1g SAR (W/kg)	1+10 Summed 1g SAR (W/kg)	1+11 Summed 1g SAR (W/kg)	1+12 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	2+5 Summed 1g SAR (W/kg)	2+6 Summed 1g SAR (W/kg)	2+7 Summed 1g SAR (W/kg)	2+8 Summed 1g SAR (W/kg)	2+9 Summed 1g SAR (W/kg)
2.4GHz WLAN Ant 3+6 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)															
0.396	0.694	0.260	0.065	1.46	0.89	0.50	0.82	1.47	0.58	0.88	0.44	0.25	1.51	0.94	0.54	0.86	1.52	0.62
0.475	0.706	0.322	0.002	1.38	1.03	0.39	0.32	0.76	0.61	0.84	0.46	0.14	1.42	1.07	0.44	0.37	0.80	0.66
1.239	1.035	0.478	0.177	0.97	1.54	1.66	1.64	0.77	1.61	1.40	0.85	0.55	0.78	1.36	1.47	1.46	0.58	1.42
1.062	0.943	0.459	0.063	0.91	1.48	1.17	0.68	0.41	1.26	1.14	0.66	0.26	0.87	1.45	1.13	0.65	0.38	1.23

<WWAN DSI 2, WLAN DSI 2, Bluetooth DSI 2>

2+10 Summed 1g SAR (W/kg)	2+11 Summed 1g SAR (W/kg)	2+12 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	3+6 Summed 1g SAR (W/kg)	3+7 Summed 1g SAR (W/kg)	3+8 Summed 1g SAR (W/kg)	3+9 Summed 1g SAR (W/kg)	3+10 Summed 1g SAR (W/kg)	3+11 Summed 1g SAR (W/kg)	3+12 Summed 1g SAR (W/kg)	1+6 SPLSR	1+6 Case No.	1+7 SPLSR	1+7 Case No.	1+9 SPLSR	1+9 Case No.
0.92	0.49	0.29	1.58	1.01	0.61	0.93	1.59	0.70	0.99	0.56	0.37						
0.89	0.50	0.18	1.33	0.99	0.35	0.28	0.72	0.57	0.80	0.42	0.10						
1.22	0.66	0.36	0.80	1.38	1.49	1.48	0.60	1.44	1.24	0.68	0.38	0.030	Case 45	0.030	Case 47	0.020	Case 46
1.11	0.62	0.23	0.89	1.47	1.15	0.67	0.40	1.25	1.13	0.64	0.25						

16.5 Hotspot Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.
Simultaneous Transmission Evaluation of WWAN+WLAN+BT:
AG0 maximum reported SAR:

Test Position	UWB Ant5	MAX
Front	0.329	0.329
Back	0.908	0.908
Left Side	0.072	0.072
Right Side	0.304	0.304
Top Side	0.155	0.155
Bottom Side	0.072	0.072

AG1 maximum reported SAR:

Test Position	Ant0	Ant2	Ant8	MAX
Front	1.123	0.929	0.58	1.123
Back	1.282	0.929	0.617	1.282
Left Side	1.15	0.399	0.017	1.150
Right Side	0.174	0.407	1.262	0.407
Top Side	0.097	0.053	0.019	0.097
Bottom Side	1.274	1.288	0.093	1.288

Simultaneous Transmission analysis of AG0 + AG1 Worse-case:

Test Position	AG0	AG1	AG0+AG1
Front	0.329	1.123	1.45
Back	0.908	1.282	2.19
Left Side	0.072	1.150	1.22
Right Side	0.304	0.407	0.71
Top Side	0.155	0.097	0.25
Bottom Side	0.072	1.288	1.36

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Back				
Ant combination	AG1	AG0	AG0+AG1	SPLSR
	SAR	SAR		
Ant0-UBW Ant 5	1.282	0.908	2.19	1
Ant2-UBW Ant 5	0.929	0.908	1.84	2
Ant8-UBW Ant 5	0.617	0.908	1.53	

<WWAN DSI 7, WLAN DSI 7, Bluetooth DSI 7>

WWAN SAR (W/kg) Electrical SAR (V/m)																											
WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		WWAN6		WWAN7		WWAN8		Exposure Position	1	2	3	4	5	6	7	8			
WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		WWAN6		WWAN7		WWAN8			WWAN1	WWAN2	WWAN3	WWAN4	WWAN5	WWAN6	WWAN7	WWAN8			
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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
Max WWAN	Ant 0	Max WWAN	Ant 2	Max WWAN	Ant 8	Max WWAN	Ant 1	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7	Front	1.123	0.929	0.580	1.186	0.361	0.552	0.434	0.661			
																Back	1.282	0.929	0.617	1.289	1.125	1.125	0.851	1.268			
																Left Side	1.150	0.399	0.017	1.238	0.054	0.018	0.011	1.052			
																Right Side	0.174	0.407	1.262	1.238	0.337	1.130	1.140	0.065			
																Top Side	0.097	0.053	0.019	1.187	1.196	0.165	0.165	0.110			
																Bottom Side	1.274	1.288	0.093	0.029	0.024	0.022	0.026	0.044			

<WWAN DSI 7, WLAN DSI 7, Bluetooth DSI 7>

9	10	11	12	1+4	1+5	1+6	1+7	1+8	1+9	1+10	1+11	1+12	2+4	2+5	2+6	2+7	2+8	2+9	2+10
2.4GHz WLAN Ant 3+6	5GHz WLAN Ant 4+5	Bluetooth Ant 3	Bluetooth Ant 6	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
0.602	0.429	0.472	0.079	2.31	1.48	1.68	1.56	1.78	1.73	1.55	1.60	1.20	2.12	1.29	1.48	1.36	1.59	1.53	1.36
1.106	1.190	0.623	0.250	2.57	2.41	2.41	2.13	2.55	2.39	2.47	1.91	1.53	2.22	2.05	2.05	1.78	2.20	2.04	2.12



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0.044	0.040	0.002	0.002	2.39	1.20	1.17	1.16	2.20	1.19	1.19	1.15	1.15	1.64	0.45	0.42	0.41	1.45	0.44	0.44
0.893	0.303	0.148	0.276	1.41	0.51	1.30	1.31	0.24	1.07	0.48	0.32	0.45	1.65	0.74	1.54	1.55	0.47	1.30	0.71
0.554	0.369	0.380	0.025	1.28	1.29	0.26	0.26	0.21	0.65	0.47	0.48	0.12	1.24	1.25	0.22	0.22	0.16	0.61	0.42
		0.002	0.002	1.30	1.30	1.30	1.30	1.32	1.27	1.27	1.28	1.28	1.32	1.31	1.31	1.31	1.33	1.29	1.29

<WWAN DSI 7, WLAN DSI 7, Bluetooth DSI 7>

2+11 Summed 1g SAR (W/kg)	2+12 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	3+6 Summed 1g SAR (W/kg)	3+7 Summed 1g SAR (W/kg)	3+8 Summed 1g SAR (W/kg)	3+9 Summed 1g SAR (W/kg)	3+10 Summed 1g SAR (W/kg)	3+11 Summed 1g SAR (W/kg)	3+12 Summed 1g SAR (W/kg)	1+4 SPLSR	1+4 Case No.	1+5 SPLSR	1+5 Case No.	1+6 SPLSR	1+6 Case No.	1+7 SPLSR	1+7 Case No.
1.40	1.01	1.77	0.94	1.13	1.01	1.24	1.18	1.01	1.05	0.66	0.030	Case 50			0.020	Case 51		
1.55	1.18	1.91	1.74	1.74	1.47	1.89	1.72	1.81	1.24	0.87	0.030	Case 56	0.030	Case 57	0.030	Case 58	0.030	Case 59
0.40	0.40	1.25	0.07	0.04	0.03	1.07	0.06	0.06	0.02	0.02	0.040	Case 77						
0.55	0.68	2.50	1.60	2.39	2.40	1.33	2.16	1.57	1.41	1.54								
0.43	0.08	1.21	1.21	0.18	0.18	0.13	0.57	0.39	0.40	0.04								
1.29	1.29	0.12	0.12	0.12	0.12	0.14	0.09	0.09	0.10	0.10								

<WWAN DSI 7, WLAN DSI 7, Bluetooth DSI 7>

1+8 SPLSR	1+8 Case No.	1+9 SPLSR	1+9 Case No.	1+10 SPLSR	1+10 Case No.	1+11 SPLSR	1+11 Case No.	2+4 SPLSR	2+4 Case No.	2+5 SPLSR	2+5 Case No.	2+6 SPLSR	2+6 Case No.	2+7 SPLSR	2+7 Case No.	2+8 SPLSR	2+8 Case No.	2+9 SPLSR	2+9 Case No.
0.020	Case 52	0.020	Case 53			0.010	Case 96	0.020	Case 54										
0.040	Case 60	0.030	Case 61	0.030	Case 62	0.020	Case 63	0.020	Case 64	0.020	Case 65	0.020	Case 66	0.020	Case 67	0.030	Case 68	0.020	Case 69
0.040	Case 78							0.020	Case 79										
								0.020	Case 80										

<WWAN DSI 7, WLAN DSI 7, Bluetooth DSI 7>

2+10 SPLSR	2+10 Case No.	3+4 SPLSR	3+4 Case No.	3+5 SPLSR	3+5 Case No.	3+6 SPLSR	3+6 Case No.	3+7 SPLSR	3+7 Case No.	3+8 SPLSR	3+8 Case No.	3+9 SPLSR	3+9 Case No.	3+10 SPLSR	3+10 Case No.
		0.020	Case 55												
0.030	Case 70	0.020	Case 71	0.020	Case 72	0.020	Case 73			0.030	Case 74	0.020	Case 75	0.030	Case 76
		0.040	Case 81	0.020	Case 82	0.040	Case 49	0.040	Case 83			0.030	Case 84		



16.6 Body-Worn Accessory Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

AG0 maximum reported SAR:

Test Position	WLAN6GHz Ant5+4	UWB Ant5	MAX
Front	0.315	0.329	0.329
Back	0.893	0.908	0.908

AG1 maximum reported SAR:

Test Position	Ant0	Ant2	Ant8	MAX
Front	1.057	1.278	1.281	1.278
Back	1.282	1.279	1.181	1.282

Simultaneous Transmission analysis of AG0 + AG1 Worse-case:

Test Position	AG0	AG1	AG0+AG1
Front	0.329	1.278	1.61
Back	0.908	1.282	2.19

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Back				
Ant combination	AG1	AG0	AG0+AG1	SPLSR
	SAR	SAR		
Ant0-WLAN6GHz Ant5+4	1.282	0.893	2.18	1
Ant0-UBW Ant 5	1.282	0.908	2.19	2
Ant2-WLAN6GHz Ant5+4	1.279	0.893	2.17	3
Ant2-UBW Ant 5	1.279	0.908	2.19	4
Ant8-WLAN6GHz Ant5+4	1.181	0.893	2.07	5
Ant8-UBW Ant 5	1.181	0.908	2.09	6

<WWAN DSI 3, WLAN DSI 3, Bluetooth DSI 3>

WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		WWAN6		WWAN7		WWAN8		Exposure Position	1	2	3	4	5	6	7	8	
WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		WWAN6		WWAN7		WWAN8			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)
Max WWAN	Ant 0	Max WWAN	Ant 2	Max WWAN	Ant 8	Max WWAN	Ant 1	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7		Front	1.057	1.278	1.281	1.197	0.361	0.552	0.650	0.661
																Back	1.282	1.279	1.181	1.279	1.125	1.114	1.185	1.268	

<WWAN DSI 3, WLAN DSI 3, Bluetooth DSI 3>

9	10	11	12	1+4	1+5	1+6	1+7	1+9	1+10	1+11	1+12	2+4	2+5	2+6	2+7	2+8	2+9	2+10	2+11
2.4GHz WLAN Ant 3+6	5GHz WLAN Ant 4+5	Bluetooth Ant 3	Bluetooth Ant 6	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
0.602	0.365	0.472	0.079	2.25	1.42	1.61	1.71	1.66	1.42	1.53	1.14	2.49	1.64	1.83	1.93	1.94	1.88	1.64	1.75
1.106	1.190	0.623	0.250	2.56	2.41	2.40	2.47	2.39	2.47	1.91	1.53	2.56	2.40	2.39	2.46	2.55	2.38	2.47	1.90

<WWAN DSI 3, WLAN DSI 3, Bluetooth DSI 3>

2+12	3+4	3+5	3+6	3+7	3+8	3+9	3+10	3+11	3+12	1+4	1+5	1+6	1+7	1+8	1+9	1+10	1+11	1+12
Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR
1.36	2.49	1.64	1.83	1.93	1.94	1.88	1.65	1.75	1.36	0.020	Case 2			0.010	Case 3	0.020	Case 4	0.020
1.53	2.46	2.31	2.30	2.37	2.45	2.29	2.37	1.80	1.43	0.030	Case 23	0.030	Case 24	0.030	Case 25	0.030	Case 26	0.020

<WWAN DSI 3, WLAN DSI 3, Bluetooth DSI 3>

1+10	1+10	1+11	1+11	2+4	2+4	2+5	2+5	2+6	2+6	2+7	2+7	2+8	2+8	2+9	2+9	2+10	2+10	2+11	2+11
SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.
0.030	Case 28	0.020	Case 29	0.030	Case 30	0.030	Case 31	0.030	Case 32	0.040	Case 33	0.040	Case 34	0.030	Case 35	0.030	Case 36	0.020	Case 37

<WWAN DSI 3, WLAN DSI 3, Bluetooth DSI 3>

3+4	3+4	3+5	3+5	3+6	3+6	3+7	3+7	3+8	3+8	3+9	3+9	3+10	3+10	3+11	3+11
SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.
0.030	Case 15	0.020	Case 16	0.020	Case 17	0.030	Case 18	0.020	Case 19	0.030	Case 20	0.020	Case 21	0.020	Case 22
0.030	Case 38	0.030	Case 39	0.030	Case 40	0.040	Case 41	0.040	Case 42	0.030	Case 43	0.040	Case 44	0.020	Case 45

Sensor off

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

AG0 maximum reported SAR:

Test Position	WLAN6GHz	Ant5+4	MAX
Front	0.138		0.138
Back	0.214		0.214

AG1 maximum reported SAR:

Test Position	Ant0	Ant2	MAX
Front	0.468	0.895	0.895
Back	0.319	0.648	0.648

Simultaneous Transmission analysis of AG0 + AG1 Worse-case:

Test Position	AG0	AG1	AG0+AG1
Front	0.138	0.895	1.03
Back	0.214	0.648	0.86

<WWAN DSI 4, WLAN DSI 4>

WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		Exposure Position	1 1g SAR (W/kg)	2 1g SAR (W/kg)	3 1g SAR (W/kg)	4 1g SAR (W/kg)	5 1g SAR (W/kg)	6 2.4GHz WLAN Ant 3+6 1g SAR (W/kg)	7 5GHz WLAN Ant 4+5 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)
Max WWAN	Ant 0	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7	Front	0.468	0.222	0.362	0.336	0.379	0.540	0.407	0.69	0.83	0.80	0.85
										Back	0.319	0.376	0.295	0.273	0.387	0.249	0.356	0.70	0.61	0.59	0.71
Max WWAN	Ant 2	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7	Front	0.895	0.222	0.362	0.336	0.379	0.540	0.407	1.12	1.26	1.23	1.27
										Back	0.648	0.376	0.295	0.273	0.387	0.249	0.356	1.02	0.94	0.92	1.04

16.7 Product Specific Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT+NFC:

AG0 maximum reported SAR:

Test Position	WLAN6GHz Ant5+4	UWB Ant5	MAX
Front	0.366	0.628	0.628
Back	0.246	0.393	0.393
Back Top	0.454		0.454
Back Right	0.297	0.411	0.411
Left Side	0.015	0.043	0.043
Right Side	0.201	0.454	0.454
Top Side	0.284	0.068	0.284
Bottom Side		0.048	0.048

AG1 maximum reported SAR:

Test Position	Ant0	Ant2	Ant8	MAX
Front	1.532	3.194	1.292	3.194
Back	2.006	2.837	0.504	2.837
Back Top				0.000
Back Right				0.000
Left Side				0.000
Right Side			1.904	0.000
Top Side				0.000
Bottom Side	2.515	3.201		3.201

Simultaneous Transmission analysis of AG0 + AG1 Worse-case:

Test Position	AG0	AG1	AG0+AG1
Front	0.628	3.194	3.82
Back	0.393	2.837	3.23
Back Top	0.454	0.000	0.45
Back Right	0.411	0.000	0.41
Left Side	0.043	0.000	0.04
Right Side	0.454	0.000	0.45
Top Side	0.284	0.000	0.28
Bottom Side	0.048	3.201	3.25

<WWAN DSI 6, WLAN DSI 6, Bluetooth DSI 6, NFC>

WWAN1		WWAN2		WWAN3		WWAN4		WWAN5		WWAN6		Exposure Position	1	2	3	4	5	6	7	8	9	1+2+9 Summed 10g SAR (W/kg)	1+3+9 Summed 10g SAR (W/kg)	1+4+9 Summed 10g SAR (W/kg)
													WWAN1	WWAN2	WWAN3	WWAN4	WWAN5	WWAN6	2.4GHz WLAN Ant 3+6	5GHz WLAN Ant 4+5	NFC			
													10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)			
Max WWAN	Ant 0	Max WWAN	Ant 1	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7	Front	1.532	2.455			1.154	1.892	1.519	1.947	0.000	3.99	1.53	1.53
												Back	2.006								0.005	2.01	2.01	2.01
												Back Top		3.172	2.472				2.301	1.658		3.17	2.47	
												Back Left		3.070				2.756				3.07		
												Back Right				3.054	2.735		3.203	2.062				3.05
												Left Side		2.236				3.075			0.000	2.24	0.00	0.00
												Right Side		0.067		2.403	2.328		1.621	1.325	0.000	0.07	0.00	2.40
												Top Side		3.204	3.150		2.185		2.633	1.230	0.000	3.20	3.15	0.00
												Bottom Side	2.515								0.000	2.52	2.52	2.52
Max WWAN	Ant 2	Max WWAN	Ant 1	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7	Front	3.194	2.455			1.154	1.892	1.519	1.947	0.000	5.65	3.19	3.19
												Back	2.837								0.005	2.84	2.84	2.84
												Back Top a		3.172	2.472				2.301	1.658		3.17	2.47	
												Back Left		3.070				2.756				3.07		
												Back Right				3.054	2.735		3.203	2.062				3.05



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												Left Side		2.236				3.075			0.000	2.24	0.00	0.00
												Right Side		0.067		2.403	2.328		1.621	1.325	0.000	0.07	0.00	2.40
												Top Side		3.204	3.150		2.185		2.633	1.230	0.000	3.20	3.15	0.00
												Bottom Side	3.201								0.000	3.20	3.20	3.20
Max WWAN	Ant 8	Max WWAN	Ant 1	Max WWAN	Ant 4	Max WWAN	Ant 5	Max WWAN	Ant 6	Max WWAN	Ant 7	Front	1.292	2.455			1.154	1.892	1.519	1.947	0.000	3.75	1.29	1.29
												Back	0.504								0.005	0.51	0.51	0.51
												Back Top		3.172	2.472				2.301	1.658		3.17	2.47	
												Back Left		3.070				2.756				3.07		
												Back Right				3.054	2.735		3.203	2.062				3.05
												Left Side		2.236				3.075			0.000	2.24	0.00	0.00
												Right Side	1.904	0.067		2.403	2.328		1.621	1.325	0.000	1.97	1.90	4.31
												Top Side		3.204	3.150		2.185		2.633	1.230	0.000	3.20	3.15	0.00
												Bottom Side									0.000	0.00	0.00	0.00

<WWAN DSI 6, WLAN DSI 6, Bluetooth DSI 6, NFC>

1+5+9 Summed 10g SAR (W/kg)	1+6+9 Summed 10g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)	1+2+9 SPLSR	1+2+9 Case No.	1+4+9 SPLSR	1+4+9 Case No.	1+5+9 SPLSR	1+5+9 Case No.	1+6+9 SPLSR	1+6+9 Case No.	1+7+9 SPLSR	1+7+9 Case No.	1+8+9 SPLSR	1+8+9 Case No.
2.69	3.42	3.05	3.48												
2.01	2.01	2.01	2.01												
		2.30	1.66												
	2.76														
2.74		3.20	2.06												
0.00	3.08	0.00	0.00												
2.33	0.00	1.62	1.33												
2.19	0.00	2.63	1.23												
2.52	2.52	2.52	2.52												
4.35	5.09	4.71	5.14	0.080	Case 99			0.070	Case 100	0.070	Case 101	0.070	Case 102	0.080	Case 103
2.84	2.84	2.84	2.84												
		2.30	1.66												
	2.76														
2.74		3.20	2.06												
0.00	3.08	0.00	0.00												
2.33	0.00	1.62	1.33												
2.19	0.00	2.63	1.23												
3.20	3.20	3.20	3.20												
2.45	3.18	2.81	3.24												
0.51	0.51	0.51	0.51												
		2.30	1.66												
	2.76														
2.74		3.20	2.06												
0.00	3.08	0.00	0.00												
4.23	1.90	3.53	3.23			0.080	Case 104	0.100	Case 105						
2.19	0.00	2.63	1.23												
0.00	0.00	0.00	0.00												

16.8 Total Exposure Ratio

Body worn			TER
1	2	1+2	
Max 1g SAR	WPT SAR	Summed SAR	
(W/Kg)	(W/Kg)	(W/Kg)	Reported SAR/1.6
1.53	0.00000243	1.53	0.96

Hotspot			TER
1	2	1+2	
Max 1g SAR	WPT SAR	Summed SAR	
(W/Kg)	(W/Kg)	(W/Kg)	Reported SAR/1.6
1.59	0.00000243	1.59	0.99

Extremity			TER
1	2	1+2	
Max 10g SAR	WPT SAR	Summed SAR	
(W/Kg)	(W/Kg)	(W/Kg)	Reported SAR/4
3.99	0.00000159	3.99	1.00

16.9 SPLSR Evaluation and Analysis

General Note:

- When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
- $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
- Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

6E&UWB

Hotspot

No.1	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back		1.282	5mm	16.3	-62.5	-207	141.8	2.19	0.02	Not required
Ant5+4			0.908	5mm	-50.2	62.7	-207				
No.2	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant2	Back		0.781	5mm	-47.5	-75	-207	137.7	1.69	0.02	Not required
Ant5+4			0.908	5mm	-50.2	62.7	-207				

Body worn

No.1	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back		1.282	5mm	16.3	-62.5	-207	143.4	2.18	0.02	Not required
Ant5+4			0.893	5mm	-50.2	64.5	-207				
No.2	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back		1.282	5mm	16.3	-62.5	-207	141.8	2.19	0.02	Not required
Ant5			0.908	5mm	-50.2	62.7	-207				
No.3	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant2	Back		1.270	5mm	-46.6	-67.8	-207	132.3	2.16	0.02	Not required
Ant5+4			0.893	5mm	-50.2	64.5	-207				
No.4	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant2	Back		1.270	5mm	-46.6	-67.8	-207	130.5	2.18	0.02	Not required
Ant5			0.908	5mm	-50.2	62.7	-207				
No.5	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant8	Back		1.084	5mm	-66.5	-41.2	-207	106.9	1.98	0.03	Not required
Ant5+4			0.893	5mm	-50.2	64.5	-207				
No.6	Position	SAR	1g SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant8	Back		1.084	5mm	-66.5	-41.2	-207	105.2	1.99	0.03	Not required
Ant5			0.908	5mm	-50.2	62.7	-207				



Case	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 45	Max WWAN Ant 0	Left Cheek at 0mm	0.370	47.4	250.4	-178.0	81.3	1.66	0.03	Not required
	Max WWAN Ant 5	Left Cheek at 0mm	1.289	41.4	331.4	-174.5				
Case 47	Max WWAN Ant 0	Left Cheek at 0mm	0.370	49.0	248.2	-177.9	80.5	1.64	0.03	Not required
	Max WWAN Ant 6	Left Cheek at 0mm	1.273	52.5	328.5	-173.8				
Case 46	Max WWAN Ant 0	Left Cheek at 0mm	0.370	49.0	248.2	-177.9	89.4	1.61	0.02	Not required
	2.4GHz WLAN Ant 3+6	Left Cheek at 0mm	1.239	22.1	333.4	-174.3				
Case 50	Max WWAN Ant 0	Front at 5mm	1.123	-66.0	-58.8	-207.0	137.7	2.31	0.03	Not required
	Max WWAN Ant 1	Front at 5mm	1.186	-40.2	76.5	-207.0				
Case 56	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	135.1	2.57	0.03	Not required
	Max WWAN Ant 1	Back at 5mm	1.289	2.5	72.3	-207.0				
Case 77	Max WWAN Ant 0	Left Side at 5mm	1.150	-23.8	-26.9	-207.0	92.9	2.39	0.04	Not required
	Max WWAN Ant 1	Left Side at 5mm	1.238	-24.5	66.0	-207.0				
Case 57	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	148.6	2.41	0.03	Not required
	Max WWAN Ant 4	Back at 5mm	1.125	-31.6	78.6	-207.0				
Case 51	Max WWAN Ant 0	Front at 5mm	1.123	-55.2	-64.0	-207.0	139.8	1.68	0.02	Not required
	Max WWAN Ant 5	Front at 5mm	0.552	4.9	62.2	-207.0				
Case 58	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	141.7	2.41	0.03	Not required
	Max WWAN Ant 5	Back at 5mm	1.125	-52.1	62.0	-207.0				
Case 59	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	122.0	2.13	0.03	Not required
	Max WWAN Ant 6	Back at 5mm	0.851	-54.7	37.2	-207.0				
Case 52	Max WWAN Ant 0	Front at 5mm	1.123	-66.0	-58.8	-207.0	118.9	1.78	0.02	Not required
	Max WWAN Ant 7	Front at 5mm	0.661	-62.5	60.0	-207.0				
Case 60	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	97.6	2.55	0.04	Not required



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	Max WWAN Ant 7	Back at 5mm	1.268	-7.6	32.6	-207.0				
Case 78	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 0	Left Side at 5mm	1.150	-23.1	-32.4	-207.0	72.9	2.20	0.04	Not required
	Max WWAN Ant 7	Left Side at 5mm	1.052	-23.6	40.5	-207.0				
Case 53	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 0	Front at 5mm	1.123	-55.2	-64.0	-207.0	138.5	1.73	0.02	Not required
	2.4GHz WLAN Ant 3+6	Front at 5mm	0.602	15.0	55.4	-207.0				
Case 61	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	147.5	2.39	0.03	Not required
	2.4GHz WLAN Ant 3+6	Back at 5mm	1.106	-57.9	65.4	-207.0				
Case 62	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 0	Back at 5mm	1.282	16.2	-62.1	-207.0	125.2	2.47	0.03	Not required
	5GHz WLAN Ant 4+5	Back at 5mm	1.190	-53.7	41.8	-207.0				
Case 63	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 0	Back at 5mm	1.282	16.3	-62.5	-207.0	149.8	1.91	0.02	Not required
	Bluetooth Ant 3	Back at 5mm	0.623	-31.5	79.5	-207.0				
Case 96	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 0	Front at 5mm	1.123	-55.5	-64.0	-207.0	153.3	1.60	0.01	Not required
	Bluetooth Ant 3	Front at 5mm	0.472	2.5	77.9	-207.0				
Case 54	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 5mm	0.929	-3.2	-68.9	-207.0	157.1	2.12	0.02	Not required
	Max WWAN Ant 1	Front at 5mm	1.186	-53.3	80.0	-207.0				
Case 64	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	0.929	-24.9	-77.2	-207.0	152.0	2.22	0.02	Not required
	Max WWAN Ant 1	Back at 5mm	1.289	2.5	72.3	-207.0				
Case 79	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Left Side at 5mm	0.399	-34.9	-72.7	-207.0	139.6	1.64	0.02	Not required
	Max WWAN Ant 1	Left Side at 5mm	1.238	-21.0	66.2	-207.0				
Case 80	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Right Side at 5mm	0.407	-37.0	40.6	-207.0	101.3	1.65	0.02	Not required
	Max WWAN Ant 1	Right Side at 5mm	1.238	-21.4	-59.5	-207.0				
Case 65	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	0.929	-47.5	-75.0	-207.0	154.4	2.05	0.02	Not required
	Max WWAN Ant 4	Back at 5mm	1.125	-31.6	78.6	-207.0				
Case 66	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	0.929	-47.5	-75.0	-207.0	137.0	2.05	0.02	Not required
	Max WWAN Ant 5	Back at 5mm	1.125	-52.3	61.9	-207.0				



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Case 67	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 67	Max WWAN Ant 2	Back at 5mm	0.929	-47.0	-77.2	-207.0	114.7	1.78	0.02	Not required
	Max WWAN Ant 6	Back at 5mm	0.851	-54.7	37.2	-207.0				
Case 68	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 68	Max WWAN Ant 2	Back at 5mm	0.929	-24.9	-77.2	-207.0	111.2	2.20	0.03	Not required
	Max WWAN Ant 7	Back at 5mm	1.268	-7.6	32.6	-207.0				
Case 69	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 69	Max WWAN Ant 2	Back at 5mm	0.929	-47.5	-75.0	-207.0	140.8	2.04	0.02	Not required
	2.4GHz WLAN Ant 3+6	Back at 5mm	1.106	-57.9	65.4	-207.0				
Case 70	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 70	Max WWAN Ant 2	Back at 5mm	0.929	-47.5	-75.0	-207.0	117.0	2.12	0.03	Not required
	5GHz WLAN Ant 4+5	Back at 5mm	1.190	-53.7	41.8	-207.0				
Case 55	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 55	Max WWAN Ant 8	Front at 5mm	0.580	21.8	-33.7	-207.0	136.3	1.77	0.02	Not required
	Max WWAN Ant 1	Front at 5mm	1.186	-53.3	80.0	-207.0				
Case 71	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 71	Max WWAN Ant 8	Back at 5mm	0.617	-69.4	-31.8	-207.0	127.0	1.91	0.02	Not required
	Max WWAN Ant 1	Back at 5mm	1.289	0.5	74.2	-207.0				
Case 81	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 81	Max WWAN Ant 8	Right Side at 5mm	1.262	-21.1	42.0	-207.0	101.5	2.50	0.04	Not required
	Max WWAN Ant 1	Right Side at 5mm	1.238	-21.4	-59.5	-207.0				
Case 72	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 72	Max WWAN Ant 8	Back at 5mm	0.617	-68.9	-33.4	-207.0	118.3	1.74	0.02	Not required
	Max WWAN Ant 4	Back at 5mm	1.125	-32.0	79.0	-207.0				
Case 82	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 82	Max WWAN Ant 8	Right Side at 5mm	1.262	-21.3	42.8	-207.0	93.2	1.60	0.02	Not required
	Max WWAN Ant 4	Right Side at 5mm	0.337	-36.7	-49.1	-207.0				
Case 73	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 73	Max WWAN Ant 8	Back at 5mm	0.617	-68.9	-33.4	-207.0	96.3	1.74	0.02	Not required
	Max WWAN Ant 5	Back at 5mm	1.125	-58.7	62.4	-207.0				
Case 49	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 49	Max WWAN Ant 8	Right Side at 5mm	1.262	-21.1	42.0	-207.0	102.4	2.39	0.04	Not required
	Max WWAN Ant 5	Right Side at 5mm	1.130	-25.9	-60.3	-207.0				
Case 83	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 83	Max WWAN Ant 8	Right Side at 5mm	1.262	-21.1	42.0	-207.0	82.8	2.40	0.04	Not required
	Max WWAN Ant 6	Right Side at 5mm	1.140	-25.3	-40.7	-207.0				



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Case	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 74	Max WWAN Ant 8	Back at 5mm	0.617	-68.9	-33.4	-207.0	85.0	1.89	0.03	Not required
	Max WWAN Ant 7	Back at 5mm	1.268	-19.8	36.0	-207.0				
Case 75	Max WWAN Ant 8	Back at 5mm	0.617	-68.9	-33.4	-207.0	99.4	1.72	0.02	Not required
	2.4GHz WLAN Ant 3+6	Back at 5mm	1.106	-57.9	65.4	-207.0				
Case 84	Max WWAN Ant 8	Right Side at 5mm	1.262	-21.1	42.0	-207.0	104.6	2.16	0.03	Not required
	2.4GHz WLAN Ant 3+6	Right Side at 5mm	0.893	-32.5	-62.0	-207.0				
Case 76	Max WWAN Ant 8	Back at 5mm	0.617	-69.4	-31.8	-207.0	94.4	1.81	0.03	Not required
	5GHz WLAN Ant 4+5	Back at 5mm	1.190	-49.4	60.5	-207.0				
Case 2	Max WWAN Ant 0	Front at 5mm	1.057	-66.0	-58.8	-207.0	135.8	2.25	0.02	Not required
	Max WWAN Ant 1	Front at 5mm	1.197	-64.5	77.0	-207.0				
Case 23	Max WWAN Ant 0	Back at 5mm	1.282	16.1	-62.3	-207.0	135.4	2.56	0.03	Not required
	Max WWAN Ant 1	Back at 5mm	1.279	2.3	72.4	-207.0				
Case 3	Max WWAN Ant 0	Front at 5mm	1.057	-70.0	-64.4	-207.0	155.2	1.61	0.01	Not required
	Max WWAN Ant 5	Front at 5mm	0.552	11.7	67.6	-207.0				
Case 25	Max WWAN Ant 0	Back at 5mm	1.282	16.1	-62.3	-207.0	141.6	2.40	0.03	Not required
	Max WWAN Ant 5	Back at 5mm	1.114	-52.0	61.8	-207.0				
Case 4	Max WWAN Ant 0	Front at 5mm	1.057	-66.0	-58.8	-207.0	135.2	1.71	0.02	Not required
	Max WWAN Ant 6	Front at 5mm	0.650	14.6	49.7	-207.0				
Case 26	Max WWAN Ant 0	Back at 5mm	1.282	12.4	-65.1	-207.0	123.9	2.47	0.03	Not required
	Max WWAN Ant 6	Back at 5mm	1.185	-63.1	33.1	-207.0				
Case 24	Max WWAN Ant 0	Back at 5mm	1.282	16.3	-62.5	-207.0	149.0	2.41	0.03	Not required
	Max WWAN Ant 4	Back at 5mm	1.125	-31.6	78.6	-207.0				
Case 6	Max WWAN Ant 0	Front at 5mm	1.057	-66.0	-58.8	-207.0	140.0	1.66	0.02	Not required
	2.4GHz WLAN Ant 3+6	Front at 5mm	0.602	15.0	55.4	-207.0				



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Case	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
Case 27	Max WWAN Ant 0	Back at 5mm	1.282	16.1	-62.3	-207.0	148.0	2.39	0.02	Not required
	2.4GHz WLAN Ant 3+6	Back at 5mm	1.106	-58.5	65.5	-207.0				
Case 28	Max WWAN Ant 0	Back at 5mm	1.282	16.1	-62.3	-207.0	139.2	2.47	0.03	Not required
	5GHz WLAN Ant 4+5	Back at 5mm	1.190	-49.4	60.5	-207.0				
Case 29	Max WWAN Ant 0	Back at 5mm	1.282	16.3	-62.5	-207.0	149.8	1.91	0.02	Not required
	Bluetooth Ant 3	Back at 5mm	0.623	-31.5	79.5	-207.0				
Case 7	Max WWAN Ant 2	Front at 5mm	1.278	-3.3	-68.6	-207.0	149.7	2.48	0.03	Not required
	Max WWAN Ant 1	Front at 5mm	1.197	-40.2	76.5	-207.0				
Case 30	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	147.8	2.56	0.03	Not required
	Max WWAN Ant 1	Back at 5mm	1.279	1.2	72.4	-207.0				
Case 8	Max WWAN Ant 2	Front at 5mm	1.278	-6.0	-85.0	-207.0	165.4	1.64	0.01	Not required
	Max WWAN Ant 4	Front at 5mm	0.361	-17.5	80.0	-207.0				
Case 31	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	146.8	2.40	0.03	Not required
	Max WWAN Ant 4	Back at 5mm	1.125	-31.6	78.6	-207.0				
Case 9	Max WWAN Ant 2	Front at 5mm	1.278	-5.7	-84.6	-207.0	152.8	1.83	0.02	Not required
	Max WWAN Ant 5	Front at 5mm	0.552	11.6	67.2	-207.0				
Case 32	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	128.6	2.39	0.03	Not required
	Max WWAN Ant 5	Back at 5mm	1.114	-58.9	60.6	-207.0				
Case 10	Max WWAN Ant 2	Front at 5mm	1.278	-3.3	-68.7	-207.0	119.7	1.93	0.02	Not required
	Max WWAN Ant 6	Front at 5mm	0.650	14.6	49.7	-207.0				
Case 33	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	101.8	2.46	0.04	Not required
	Max WWAN Ant 6	Back at 5mm	1.185	-63.1	33.1	-207.0				
Case 11	Max WWAN Ant 2	Front at 5mm	1.278	-3.3	-68.7	-207.0	130.3	1.94	0.02	Not required
	Max WWAN Ant 7	Front at 5mm	0.661	-59.8	48.7	-207.0				
Case 34	Band	Position	SAR (W/kg)	SAR Peak			3D Distance	Summed	SPLSR	Simultaneous



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				Location (mm)			(mm)	SAR (W/kg)	Results	SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	107.3	2.55	0.04	Not required
	Max WWAN Ant 7	Back at 5mm	1.268	-7.9	32.6	-207.0				
Case 12	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 5mm	1.278	-5.7	-84.6	-207.0	141.5	1.88	0.02	Not required
	2.4GHz WLAN Ant 3+6	Front at 5mm	0.602	15.0	55.4	-207.0				
Case 35	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	133.4	2.38	0.03	Not required
	2.4GHz WLAN Ant 3+6	Back at 5mm	1.106	-58.5	65.5	-207.0				
Case 13	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 5mm	1.278	-6.0	-85.0	-207.0	148.2	1.64	0.01	Not required
	5GHz WLAN Ant 4+5	Front at 5mm	0.365	-5.0	63.2	-207.0				
Case 36	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	127.9	2.47	0.03	Not required
	5GHz WLAN Ant 4+5	Back at 5mm	1.190	-49.4	60.5	-207.0				
Case 14	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 5mm	1.278	-5.7	-84.6	-207.0	162.7	1.75	0.01	Not required
	Bluetooth Ant 3	Front at 5mm	0.472	2.5	77.9	-207.0				
Case 37	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Back at 5mm	1.279	-46.8	-67.4	-207.0	147.7	1.90	0.02	Not required
	Bluetooth Ant 3	Back at 5mm	0.623	-31.5	79.5	-207.0				
Case 15	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.3	-44.1	-207.0	134.3	2.48	0.03	Not required
	Max WWAN Ant 1	Front at 5mm	1.197	-39.7	76.5	-207.0				
Case 38	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.2	-40.8	-207.0	132.3	2.46	0.03	Not required
	Max WWAN Ant 1	Back at 5mm	1.279	2.3	72.4	-207.0				
Case 16	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.1	-44.2	-207.0	129.5	1.64	0.02	Not required
	Max WWAN Ant 4	Front at 5mm	0.361	-17.5	80.0	-207.0				
Case 39	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.2	-40.8	-207.0	124.6	2.31	0.03	Not required
	Max WWAN Ant 4	Back at 5mm	1.125	-32.0	79.0	-207.0				
Case 17	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.6	-44.0	-207.0	111.5	1.83	0.02	Not required
	Max WWAN Ant 5	Front at 5mm	0.552	11.6	67.2	-207.0				
Case 40	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				



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	Max WWAN Ant 8	Back at 5mm	1.181	-66.3	-40.9	-207.0	101.8	2.30	0.03	Not required
	Max WWAN Ant 5	Back at 5mm	1.114	-58.9	60.6	-207.0				
Case 18	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.3	-44.1	-207.0	87.5	1.93	0.03	Not required
	Max WWAN Ant 6	Front at 5mm	0.650	13.4	43.2	-207.0				
Case 41	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.2	-40.8	-207.0	83.9	2.37	0.04	Not required
	Max WWAN Ant 6	Back at 5mm	1.185	-76.7	42.4	-207.0				
Case 19	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.1	-44.2	-207.0	118.5	1.94	0.02	Not required
	Max WWAN Ant 7	Front at 5mm	0.661	-60.1	44.0	-207.0				
Case 42	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.2	-40.8	-207.0	93.7	2.45	0.04	Not required
	Max WWAN Ant 7	Back at 5mm	1.268	-7.9	32.6	-207.0				
Case 20	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.6	-44.0	-207.0	99.5	1.88	0.03	Not required
	2.4GHz WLAN Ant 3+6	Front at 5mm	0.602	15.0	55.4	-207.0				
Case 43	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.2	-40.8	-207.0	106.6	2.29	0.03	Not required
	2.4GHz WLAN Ant 3+6	Back at 5mm	1.106	-58.5	65.5	-207.0				
Case 21	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.1	-44.2	-207.0	110.1	1.65	0.02	Not required
	5GHz WLAN Ant 4+5	Front at 5mm	0.365	-5.0	63.2	-207.0				
Case 44	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.2	-40.8	-207.0	102.7	2.37	0.04	Not required
	5GHz WLAN Ant 4+5	Back at 5mm	1.190	-49.4	60.5	-207.0				
Case 22	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Front at 5mm	1.281	19.6	-44.0	-207.0	123.1	1.75	0.02	Not required
	Bluetooth Ant 3	Front at 5mm	0.472	2.5	77.9	-207.0				
Case 5	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Back at 5mm	1.181	-66.3	-40.9	-207.0	125.3	1.80	0.02	Not required
	Bluetooth Ant 3	Back at 5mm	0.623	-31.5	79.5	-207.0				
Case 99	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 0mm	3.194	-7.1	-81.3	-207.0				
	Max WWAN Ant 1	Front at 0mm	2.455	-46.3	76.8	-207.0				
	Max WWAN Ant 2	Front at 0mm	3.194	-6.9	-81.7	-207.0				
	NFC	Front at 0mm	0.000							
	Max WWAN Ant 1	Front at 0mm	2.455	-46.3	76.8	-207.0	162.9	5.65	0.08	Not required
	NFC	Front at 0mm	0.000							
							2.46			Not required
Case 104	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				



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	Max WWAN Ant 8	Right Side at 0mm	1.904	-20.6	35.3	-207.0	106.3	4.31	0.08	Not required
	Max WWAN Ant 5	Right Side at 0mm	2.403	-12.2	-70.7	-207.0				
	Max WWAN Ant 8	Right Side at 0mm	1.904	-21.1	36.3	-207.0		1.90		Not required
	NFC	Right Side at 0mm	0.000							
	Max WWAN Ant 5	Right Side at 0mm	2.403	-8.1	-72.6	-207.0		2.40		Not required
	NFC	Right Side at 0mm	0.000							
Case 100	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 0mm	3.194	-4.5	-81.4	-207.0	120.9	4.35	0.07	Not required
	Max WWAN Ant 6	Front at 0mm	1.154	-9.2	39.4	-207.0				
	Max WWAN Ant 2	Front at 0mm	3.194	-6.9	-81.7	-207.0		3.19		Not required
	NFC	Front at 0mm	0.000							
	Max WWAN Ant 6	Front at 0mm	1.154	-9.8	42.3	-207.0		1.15		Not required
	NFC	Front at 0mm	0.000							
Case 105	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 8	Right Side at 0mm	1.904	-21.1	35.3	-207.0	83.4	4.23	0.10	Not required
	Max WWAN Ant 6	Right Side at 0mm	2.328	-28.8	-47.7	-207.0				
	Max WWAN Ant 8	Right Side at 0mm	1.904	-21.1	36.3	-207.0		1.90		Not required
	NFC	Right Side at 0mm	0.000							
	Max WWAN Ant 6	Right Side at 0mm	2.328	-28.8	-47.7	-207.0		2.33		Not required
	NFC	Right Side at 0mm	0.000							
	NFC	Right Side at 0mm	0.000							
Case 101	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 0mm	3.194	-7.1	-81.4	-207.0	155.1	5.09	0.07	Not required
	Max WWAN Ant 7	Front at 0mm	1.892	-63.4	63.1	-207.0				
	Max WWAN Ant 2	Front at 0mm	3.194	-6.9	-81.7	-207.0		3.19		Not required
	NFC	Front at 0mm	0.000							
	Max WWAN Ant 7	Front at 0mm	1.892	-63.0	63.7	-207.0		1.89		Not required
	NFC	Front at 0mm	0.000							
Case 102	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 0mm	3.194	-4.5	-81.4	-207.0	138.2	4.71	0.07	Not required
	2.4GHz WLAN Ant 3+6	Front at 0mm	1.519	15.0	55.4	-207.0				
	Max WWAN Ant 2	Front at 0mm	3.194	-6.9	-81.7	-207.0		3.19		Not required
	NFC	Front at 0mm	0.000							
	2.4GHz WLAN Ant 3+6	Front at 0mm	1.519	15.0	55.4	-207.0		1.52		Not required
	NFC	Front at 0mm	0.000							
	NFC	Front at 0mm	0.000							
Case 103	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 2	Front at 0mm	3.194	-7.1	-81.4	-207.0	148.4	5.01	0.08	Not required
	5GHz WLAN Ant 4+5	Front at 0mm	1.812	-10.8	67.0	-207.0				
	Max WWAN Ant 2	Front at 0mm	3.194	-6.9	-81.7	-207.0		3.19		Not required
	NFC	Front at 0mm	0.000							
	5GHz WLAN Ant 4+5	Front at 0mm	1.812	-10.9	67.6	-207.0		1.81		Not required
	NFC	Front at 0mm	0.000							
	NFC	Front at 0mm	0.000							

17. Supplemental Tuner Tests Results

General Note:

1. This device implements impedance tuner antenna tuning techniques, and the number of supported tune codes is different for each frequency band as shown:
 - a. This device implements impedance tuner (208 states) antenna tuning techniques in the LTE Band 5/12/13/17/26 and 5G NR n5/26/71 for ANT0.
 - b. This device implements impedance tuner (208 states) antenna tuning techniques in the LTE Band 2/5/7/12/13/17/25/26/66/38/41 and 5G NR n2/5/7/25/26/70/71/66/38/41 for ANT1.
2. According to April 2015 TCB workshop, SAR testing for overlapping LTE bands can be reduced, and 5G NR bands are similar to LTE bands:
 - a. LTE B17 / B5 / B4 / B2 / B38 SAR test was covered by LTE B12 / B26 / B66 / B25 / B41;
 - b. 5G NR n5 / n38 SAR test was covered by 5G NR n26 / n41;
3. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
4. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
5. Per KDB388624 D02v18r08, for each air interface, exposure condition, and antenna that supports dynamic antenna tuning (DAT), the following procedure shall be followed:
 - 5.1 An area scan is performed with the DUT positioned for the exposure condition with auto-tuner enabled to determine the peak SAR location.
 - 5.2 A single-point SAR measurement (i.e., time sweep) is performed at the peak SAR location of step 5.1 (that is, with auto-tuner enabled). The auto-tuner state shall be recorded, after verifying that it is stable. If fluctuations occur, the scan procedure can be restarted, or the state with the highest SAR needs to be recorded.
 - 5.3 Without moving the probe, or introducing any other perturbation, the auto-tuner shall be disabled, and two other adjacent tune states shall be chosen by increasing and decreasing the state identification number by 1.
 - 5.4 A single point SAR measurement is then performed on both chosen adjacent states and compared with the value of step 5.2. The measured SAR for auto-tuner disabled is expected to be less than or equal to the recorded SAR of step 5.2.
 - a. If the measured SAR is higher beyond documented tolerance, then the auto-tuning feature is not working as intended and is not suitable for compliance. DAT functionality shall be removed or adjusted by the manufacturer.
 - b. If the measured SAR is higher than the value of step 5.2 but within tolerance, the next adjacent state(s) shall be chosen and the measure repeated until a lower SAR value can be shown; otherwise, the DAT is considered inoperative and shall be removed or adjusted by the manufacturer.
 - 5.5 Repeat step 5.2 with auto-tuning enabled as a test for variability within tolerance: the previous measured value in step 5.2 shall be recovered. If the measured SAR is outside the expected tolerance, then the auto-tuning feature is considered not working as intended and not suitable for compliance. DAT functionality shall be removed or adjusted by the manufacturer
6. SAR is measured according to required procedures for each mode of operation with the dynamic tuner active, allowing the DUT to automatically tune and find the best impedance match. The auto-tune state determined by device during normal SAR measurement shall be verified and listed in the reported SAR results. This process is based on single point SAR evaluations to verify that the conditions leading to the largest SAR have been captured. The SAR probe shall remain stationary for the entire series of measurements. The functionality of the tuner configurations is checked to ensure that the tuned state corresponds to the maximum SAR for that particular transmission configuration.
7. If any single-point SAR measurement result is 1.4 W/kg for 1gSAR or 3.5 W/kg for 10gSAR, then all tune states for that particular combination of air interface, exposure condition, and antenna selection shall be evaluated with single-point SAR measurements.
8. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

17.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix H.

Test Engineer: Jordar Jhuang, Teddy Chang, Andy Chiang, Kevin Guo and Howard Zhao

18. 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.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	$1/k^{(b)}$	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

- standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity
- k is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASy uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependence	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dependent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68

19. 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 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [8] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [9] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [15] IEC/IEEE 62209-1528:2020, "Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)", Oct. 2020
- [16] IEC 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
- [17] IEC TR 63170: 2018 Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz
- [18] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)



Appendixes

Please refer to separated files for the following appendixes

Appendix A. Plots of System Performance Check

Appendix B. Plots of High SAR and PD Measurement

Appendix C. DASY Calibration Certificate

Appendix D. Test Setup Photos

Appendix E. Conducted RF Output Power Table

Appendix F. Power measurement connection diagram and CA Conducted RF Output Power Table

Appendix G. Power reduction mechanism verification

Appendix H. Supplemental Tuner Head & Body SAR Results

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