

	16QAM	12	13	17.07	16.95	16.8	18	
		25	0	17.02	16.81	16.74	18	
		1	0	17.45	17.56	17.43	18	
		1	13	17.32	17.23	16.78	18	
		1	24	17.42	17.2	17.19	18	
		12	0	17.15	16.81	16.74	18	
		12	6	17.04	16.81	16.75	18	
		12	13	16.95	16.98	16.88	18	
	64QAM	25	0	16.97	16.75	16.77	18	
		1	0	16.66	16.62	16.43	18	
		1	13	16.78	16.82	16.89	18	
		1	24	17.01	16.78	16.64	18	
		12	0	16.5	16.33	16.5	18	
		12	6	16.32	16.43	16.45	18	
		12	13	16.67	16.37	16.47	18	
		25	0	16.43	16.38	16.39	18	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
10MHz	QPSK	1	0	16.91	17.02	16.86	18	
		1	25	16.44	16.65	16.63	18	
		1	49	17.05	16.82	16.78	18	
		25	0	17.01	16.9	16.8	18	
		25	13	16.91	16.88	16.91	18	
		25	25	16.99	16.87	16.78	18	
		50	0	17.03	16.92	16.85	18	
	16QAM	1	0	17.54	17.41	16.95	18	
		1	25	17.55	17.62	17.04	18	
		1	49	17.25	17.25	17.48	18	
		25	0	16.98	16.8	16.66	18	
		25	13	16.9	16.77	16.85	18	
		25	25	16.89	16.82	16.77	18	
		50	0	16.88	16.92	16.75	18	
	64QAM	1	0	16.67	16.64	16.44	18	
		1	25	16.78	16.79	16.86	18	
		1	49	17.07	16.8	16.69	18	
		25	0	16.54	16.36	16.43	18	
		25	13	16.37	16.43	16.45	18	
		25	25	16.64	16.39	16.38	18	
		50	0	16.44	16.39	16.44	18	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	15MHz	QPSK	1	0	16.83	16.87	16.94	18
			1	38	17.04	17	16.73	18
1			74	16.96	16.75	16.81	18	
36			0	17.06	17.03	16.93	18	
36			18	16.9	17.04	16.87	18	
36			39	16.92	16.95	16.89	18	

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	16QAM	75	0	16.93	17.01	16.96	18
		1	0	17.27	17.35	17.41	18
		1	38	17.34	17.06	16.55	18
		1	74	17.13	16.68	17.29	18
		36	0	16.93	16.91	16.98	18
		36	18	16.95	16.99	16.74	18
		36	39	16.84	16.87	16.76	18
	75	0	16.96	16.9	16.72	18	
	64QAM	1	0	16.69	16.58	16.49	18
		1	38	16.74	16.82	16.82	18
		1	74	17.03	16.79	16.7	18
		36	0	16.55	16.41	16.48	18
		36	18	16.31	16.38	16.39	18
		36	39	16.64	16.39	16.48	18
75		0	16.37	16.46	16.4	18	

LTE Band 26 Receiver off (body or limbs) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.13	20.96	20.87	22
		1	2	20.5	20.13	20.25	22
		1	5	21.11	20.98	20.84	22
		3	0	20.91	20.95	20.87	22
		3	2	21.28	21.07	20.97	22
		3	3	21.07	20.89	20.84	22
		6	0	20.88	20.88	20.35	22
	16QAM	1	0	21.3	21.25	21.41	22
		1	2	21.57	21.12	20.27	22
		1	5	21.64	21.24	21.11	22
		3	0	21.06	21.27	20.68	22
		3	2	21.1	20.66	20.74	22
		3	3	21.2	21.16	20.78	22
		6	0	20.47	20.34	20.24	22
	64QAM	1	0	20.61	20.49	20.43	22
		1	2	20.63	20.81	20.76	22
		1	5	20.98	20.7	20.67	22
		3	0	20.61	20.49	20.43	22
		3	2	20.63	20.81	20.76	22
		3	3	20.98	20.7	20.67	22
		6	0	19.41	19.4	19.35	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK			26705	26865	27025	
		1	0	21.02	20.96	20.85	22
		1	7	20.55	20.55	20.27	22
		1	14	21.08	20.95	20.84	22

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		8	0	20.93	20.89	20.69	22
		8	4	20.96	20.65	20.64	22
		8	7	20.75	20.8	20.9	22
		15	0	21.06	20.81	20.85	22
	16QAM	1	0	21.27	21.24	21.16	22
		1	7	20.34	21.11	20.56	22
		1	14	21.35	21.37	21.11	22
		8	0	20.42	20.27	20.22	22
		8	4	20.59	20.59	19.67	22
		8	7	20.35	20.4	20.41	22
		15	0	20.28	20.41	20.38	22
		64QAM	1	0	20.66	20.47	20.46
	1		7	20.65	20.75	20.79	22
	1		14	21.01	20.76	20.68	22
	8		0	19.47	19.38	19.36	21
	8		4	19.29	19.36	19.33	21
	8		7	19.56	19.31	19.43	21
	15		0	19.36	19.34	19.31	21
	Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015
5MHz	QPSK	1	0	21.1	20.99	20.88	22
		1	13	20.99	20.93	20.85	22
		1	24	20.95	20.95	20.73	22
		12	0	21.11	20.91	20.9	22
		12	6	21.02	20.95	20.82	22
		12	13	21.06	21.01	20.85	22
		25	0	21.02	21.01	20.81	22
	16QAM	1	0	21.32	21.38	20.91	22
		1	13	21.44	21.1	21.24	22
		1	24	21.31	21.18	20.61	22
		12	0	20.47	20.58	20.38	22
		12	6	20.43	20.35	20.3	22
		12	13	20.44	20.34	20.27	22
		25	0	20.5	20.44	20.26	22
	64QAM	1	0	20.64	20.57	20.49	22
		1	13	20.67	20.76	20.78	22
		1	24	21	20.73	20.67	22
		12	0	19.43	19.35	19.33	21
		12	6	19.29	19.41	19.33	21
		12	13	19.55	19.38	19.42	21
25		0	19.34	19.42	19.35	21	
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	20.91	21.04	21.01	22
		1	25	20.66	20.9	20.55	22
		1	49	20.99	20.9	20.77	22
		25	0	21	20.92	20.85	22

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		25	13	20.97	20.98	20.81	22
		25	25	20.99	20.86	20.86	22
		50	0	21.05	21.01	20.86	22
	16QAM	1	0	20.93	21.08	20.74	22
		1	25	21.08	20.99	21.01	22
		1	49	21.54	21.51	21.25	22
		25	0	20.54	20.48	20.3	22
		25	13	20.56	20.32	20.36	22
		25	25	20.41	20.45	20.38	22
		50	0	20.39	20.25	20.42	22
		64QAM	1	0	20.62	20.57	20.47
	1		25	20.63	20.72	20.72	22
	1		49	20.94	20.71	20.63	22
	25		0	19.39	19.35	19.36	21
	25		13	19.2	19.3	19.3	21
	25		25	19.51	19.34	19.37	21
50	0		19.33	19.38	19.27	21	
Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	20.93	20.94	20.88	22
		1	38	20.94	20.95	20.84	22
		1	74	20.86	20.81	20.72	22
		36	0	21.11	21.06	20.99	22
		36	18	21.04	21.02	20.94	22
		36	39	21.03	20.95	20.92	22
		75	0	21.05	21.01	20.99	22
	16QAM	1	0	21.42	21.4	21.32	22
		1	38	21.11	21.23	21.34	22
		1	74	21.18	21.14	21.21	22
		36	0	20.54	20.48	20.5	22
		36	18	20.56	20.55	20.35	22
		36	39	20.54	20.45	20.32	22
		75	0	20.39	20.49	20.39	22
	64QAM	1	0	20.67	20.54	20.44	22
		1	38	20.68	20.79	20.78	22
		1	74	21.02	20.74	20.65	22
		36	0	19.46	19.37	19.44	21
		36	18	19.2	19.32	19.29	21
		36	39	19.56	19.42	19.43	21
		75	0	19.34	19.33	19.32	21

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LTE Band 26 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26697	26865	27033		
1.4MHz	QPSK	1	0	15.53	15.4	15.3	16.5	
		1	2	15.74	15.16	15.48	16.5	
		1	5	15.44	15.48	15.4	16.5	
		3	0	15.42	15.11	15.27	16.5	
		3	2	15.72	15.42	15.08	16.5	
		3	3	15.28	15.43	15.19	16.5	
	16QAM	6	0	15.48	15.31	15.02	16.5	
		1	0	15.9	15.75	15.71	16.5	
		1	2	15.68	15.42	15.61	16.5	
		1	5	16	15.76	15.13	16.5	
		3	0	15.57	15.42	15.26	16.5	
		3	2	15.8	15.39	15.15	16.5	
	64QAM	3	3	15.33	15.39	15.47	16.5	
		6	0	15.39	15.34	15.24	16.5	
		1	0	15.28	15.13	15.07	16.5	
		1	2	15.33	15.41	15.32	16.5	
		1	5	15.54	15.32	15.24	16.5	
		3	0	15.05	14.92	15.03	16.5	
		3	2	14.79	14.95	14.88	16.5	
		3	3	15.13	14.92	14.97	16.5	
	3MHz	QPSK	6	0	14.91	15	14.95	16.5
			1	0	15.5	15.44	15.34	16.5
			1	7	14.85	14.24	15.05	16.5
			1	14	15.47	15.45	15.34	16.5
8			0	15.35	15.25	15.31	16.5	
8			4	15.26	14.92	15.36	16.5	
16QAM		8	7	15.58	15.28	14.94	16.5	
		15	0	15.53	15.48	15.36	16.5	
		1	0	15.72	15.89	15.7	16.5	
		1	7	15.12	15.3	15.62	16.5	
		1	14	15.38	15.68	15.73	16.5	
		8	0	15.54	15.36	14.98	16.5	
64QAM		8	4	15.47	15.39	15.4	16.5	
		8	7	15.26	15.26	15.36	16.5	
		15	0	15.47	15.42	15.14	16.5	
		1	0	15.25	15.12	15.05	16.5	
	64QAM	1	7	15.3	15.36	15.33	16.5	
		1	14	15.57	15.39	15.19	16.5	
		8	0	15.08	14.91	14.97	16.5	
		1	0	15.5	15.44	15.34	16.5	

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Bandwidth	Modulation	8	4	14.83	14.97	14.91	16.5	
		8	7	15.13	14.91	14.98	16.5	
		15	0	14.89	14.98	14.99	16.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26715	26865	27015		
5MHz	QPSK	1	0	15.49	15.46	15.33	16.5	
		1	13	15.6	15.44	15.35	16.5	
		1	24	15.5	15.38	15.33	16.5	
		12	0	15.57	15.51	15.41	16.5	
		12	6	15.12	15.57	14.92	16.5	
		12	13	15.5	15.51	15.27	16.5	
		25	0	15.57	15.38	15.24	16.5	
	16QAM	1	0	15.99	15.74	15.82	16.5	
		1	13	15.96	15.29	15.69	16.5	
		1	24	15.25	15.8	15.59	16.5	
		12	0	15.52	15.53	15.36	16.5	
		12	6	15.55	15.4	15.12	16.5	
		12	13	15.62	15.28	15.39	16.5	
		25	0	15.36	15.48	15.26	16.5	
	64QAM	1	0	15.29	15.1	15.01	16.5	
		1	13	15.26	15.31	15.37	16.5	
		1	24	15.63	15.37	15.25	16.5	
		12	0	15.14	14.97	15	16.5	
		12	6	14.87	14.93	14.94	16.5	
		12	13	15.23	14.89	15	16.5	
		25	0	14.91	14.98	14.96	16.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					26750	26865	26990	
	10MHz	QPSK	1	0	15.5	15.47	15.39	16.5
1			25	15.22	15.77	15.24	16.5	
1			49	15.42	15.36	15.38	16.5	
25			0	15.55	15.47	15.34	16.5	
25			13	15.47	15.44	15.34	16.5	
25			25	15.44	15.29	15.35	16.5	
50			0	15.56	15.47	15.39	16.5	
16QAM		1	0	15.3	15.9	15.66	16.5	
		1	25	15.85	15.78	15.32	16.5	
		1	49	15.72	15.67	15.6	16.5	
		25	0	15.4	15.44	15.35	16.5	
		25	13	15.35	15.41	15.39	16.5	
		25	25	15.33	15.22	15.17	16.5	
		50	0	15.4	15.41	15.3	16.5	
64QAM		1	0	15.17	15.11	15.03	16.5	
		1	25	15.29	15.32	15.39	16.5	
		1	49	15.53	15.29	15.22	16.5	
		25	0	15.12	14.95	15.01	16.5	
		25	13	14.79	14.93	14.98	16.5	

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Bandwidth	Modulation	25	25	15.23	14.87	14.98	16.5
		50	0	14.87	14.95	14.98	16.5
15MHz	QPSK	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.51	15.38	15.37	16.5
		1	38	15.61	15.46	15.38	16.5
		1	74	15.4	15.35	15.33	16.5
		36	0	15.53	15.51	15.43	16.5
		36	18	15.55	15.5	15.35	16.5
		36	39	15.47	15.42	15.41	16.5
		75	0	15.46	15.47	15.46	16.5
	16QAM	1	0	15.86	15.81	15.46	16.5
		1	38	15.46	15.89	15.65	16.5
		1	74	15.34	15.68	15.47	16.5
		36	0	15.59	15.45	15.46	16.5
		36	18	15.46	15.46	15.37	16.5
		36	39	15.39	15.44	15.32	16.5
		75	0	15.39	15.4	15.32	16.5
	64QAM	1	0	15.2	15.12	15.09	16.5
		1	38	15.34	15.34	15.31	16.5
		1	74	15.54	15.28	15.21	16.5
		36	0	15.08	14.9	14.99	16.5
		36	18	14.85	14.92	14.97	16.5
		36	39	15.15	14.88	14.99	16.5
		75	0	14.9	14.95	14.94	16.5

LTE Band 26 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	16.05	15.93	15.77	17
		1	2	16.18	15.62	15.98	17
		1	5	15.95	15.98	15.83	17
		3	0	15.78	15.94	15.94	17
		3	2	16.08	15.6	14.67	17
		3	3	16.02	15.85	15.87	17
		6	0	16.01	16.03	15.53	17
	16QAM	1	0	16.18	15.98	15.55	17
		1	2	16.36	16.35	15.83	17
		1	5	16.27	15.94	16.37	17
		3	0	16.17	15.82	15.89	17
		3	2	16.2	16	15.7	17
		3	3	16.3	15.92	15.71	17
		6	0	16.33	15.92	15.92	17
	64QAM	1	0	16.06	15.85	15.38	17
		1	2	16.19	16.16	15.82	17

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	5	16.15	15.83	16.34	17
		3	0	16	15.67	15.79	17
		3	2	16	15.87	15.64	17
		3	3	16.15	15.89	15.63	17
		6	0	16.18	15.78	15.76	17
		1	0	16.04	15.92	15.85	17
		1	7	15.57	15.71	15.69	17
	16QAM	1	14	15.97	15.9	15.79	17
		8	0	15.88	16.07	15.79	17
		8	4	15.88	16.02	15.68	17
		8	7	15.81	15.95	15.83	17
		15	0	15.98	15.92	15.94	17
		1	0	16.66	15.78	16.19	17
		1	7	15.51	15.99	15.58	17
	64QAM	1	14	16.37	16.08	16.13	17
		8	0	15.92	15.78	15.6	17
		8	4	16.05	15.89	15.69	17
		8	7	16.01	15.88	15.74	17
		15	0	15.86	15.93	15.66	17
		1	0	15.99	15.9	15.36	17
1		7	16.27	16.33	15.69	17	
5MHz	QPSK	1	14	16.08	15.94	16.28	17
		8	0	16.06	15.67	15.77	17
		8	4	16.08	15.84	15.64	17
		8	7	16.17	15.76	15.7	17
		15	0	16.27	15.85	15.8	17
		1	0	16.07	15.98	15.84	17
		1	13	16.03	15.97	15.8	17
	16QAM	1	24	15.94	15.96	15.85	17
		12	0	15.99	15.94	15.84	17
		12	6	15.95	16.03	15.91	17
		12	13	16.07	15.96	15.9	17
		25	0	15.93	15.84	15.88	17
		1	0	15.95	16.39	16.19	17
		1	13	16.62	15.89	16.01	17
	64QAM	1	24	16.4	15.93	16.12	17
		12	0	15.93	15.93	15.91	17
		12	6	15.87	15.84	15.78	17
		12	13	15.98	16	15.91	17
	64QAM	25	0	15.84	15.84	15.75	17
		1	0	16.07	15.94	15.51	17
1		13	16.26	16.2	15.73	17	
		1	24	16.23	15.79	16.36	17

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
		26750	26865	26990				
10MHz	QPSK	12	0	16.14	15.71	15.82	17	
		12	6	16.2	15.96	15.69	17	
		12	13	16.16	15.91	15.61	17	
		25	0	16.31	15.73	15.89	17	
	16QAM	QPSK	1	0	16.03	15.99	15.93	17
			1	25	16.14	15.4	16.22	17
			1	49	15.86	15.86	15.85	17
			25	0	16.03	15.98	15.85	17
			25	13	16.01	15.96	15.84	17
			25	25	15.96	15.94	15.75	17
		16QAM	50	0	15.93	15.96	15.89	17
			1	0	16.29	15.79	16.06	17
			1	25	16.52	15.95	15.76	17
			1	49	16.17	16.04	16.15	17
			25	0	15.95	15.86	15.77	17
			25	13	15.9	15.84	15.87	17
	64QAM	16QAM	25	25	15.84	15.84	15.72	17
			50	0	15.96	15.92	15.82	17
			1	0	16.16	15.9	15.48	17
			1	25	16.2	16.29	15.82	17
		64QAM	1	49	16.23	15.82	16.18	17
			25	0	16.09	15.63	15.71	17
			25	13	16.09	15.96	15.52	17
			25	25	16.27	15.91	15.66	17
	15MHz	QPSK	50	0	16.14	15.8	15.86	17
			1	0	15.84	15.93	15.91	17
			1	38	15.87	15.82	15.81	17
			1	74	15.83	15.89	15.78	17
36			0	15.96	16	15.94	17	
36			18	15.94	15.98	15.86	17	
16QAM		QPSK	36	39	15.98	15.9	15.79	17
			75	0	15.97	15.95	15.84	17
			1	0	15.73	16.26	16.1	17
			1	38	15.82	16.12	16.27	17
		16QAM	1	74	16.1	16.29	15.55	17
			36	0	15.93	15.9	15.78	17
	36		18	15.78	15.89	15.86	17	
	36		39	15.84	15.77	15.77	17	
64QAM	75	0	15.82	15.85	15.71	17		
	1	0	16.15	15.97	15.46	17		
	1	38	16.22	16.18	15.77	17		
	1	74	16.27	15.93	16.34	17		
	36	0	16.11	15.7	15.75	17		

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		36	18	16.05	15.88	15.55	17
		36	39	16.27	15.84	15.54	17
		75	0	16.33	15.8	15.76	17

LTE Band 26 Receiver off (body or limbs) + WiFi2.4G Ant1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26697	26865	27033		
1.4MHz	QPSK	1	0	20.07	19.87	19.96	21	
		1	2	20.22	20.23	18.88	21	
		1	5	20.06	19.94	19.8	21	
		3	0	20	19.64	19.6	21	
		3	2	19.89	19.7	19.93	21	
		3	3	20.03	19.75	19.81	21	
		6	0	19.99	19.78	19.52	21	
	16QAM	1	0	20.28	20.26	19.98	21	
		1	2	20.05	19.88	19.71	21	
		1	5	20.16	20.24	20.08	21	
		3	0	20.25	19.85	19.59	21	
		3	2	20.16	19.95	19.41	21	
		3	3	19.86	19.82	19.71	21	
		6	0	19.94	19.83	19.83	21	
	64QAM	1	0	20.09	19.91	19.42	21	
		1	2	20.13	20.08	19.73	21	
		1	5	20.16	19.9	20.33	21	
		3	0	20.04	19.65	19.64	21	
		3	2	20	19.81	19.51	21	
		3	3	20.23	19.79	19.48	21	
		6	0	20.31	19.74	19.72	21	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	3MHz	QPSK			26705	26865	27025	
			1	0	19.94	19.8	19.73	21
1			7	20.46	19.52	19.62	21	
1			14	20.02	19.9	19.68	21	
8			0	20.08	20	19.7	21	
8			4	20.03	19.99	19.67	21	
8			7	19.99	19.98	19.6	21	
15		0	19.97	19.83	19.77	21		
16QAM		1	0	19.6	20.22	20.21	21	
		1	7	19.87	20.37	19.01	21	
		1	14	20.1	20.45	20.28	21	
		8	0	20.02	19.92	19.47	21	
		8	4	19.96	19.94	19.87	21	
		8	7	19.91	20.06	19.78	21	
		15	0	19.85	19.87	19.88	21	
64QAM		1	0	20.05	19.96	19.37	21	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26715	26865	27015		
5MHz	QPSK	1	7	20.15	20.1	19.68	21	
		1	14	20.2	19.82	20.24	21	
		8	0	20.1	19.7	19.74	21	
		8	4	19.97	19.84	19.51	21	
		8	7	20.19	19.81	19.51	21	
		15	0	20.24	19.78	19.66	21	
	16QAM	QPSK	1	0	20.05	19.9	19.72	21
			1	13	20.08	20.01	19.78	21
			1	24	20.08	19.87	19.76	21
			12	0	20.09	19.98	19.83	21
			12	6	20.02	19.89	19.76	21
			12	13	20.02	19.97	19.91	21
		16QAM	25	0	19.96	19.95	19.87	21
			1	0	20.27	20.32	20.2	21
			1	13	20.16	20.3	20.27	21
			1	24	20.21	20.12	20.03	21
			12	0	20.07	19.94	19.87	21
			12	6	20.16	19.9	19.87	21
	64QAM	12	13	20.08	19.89	19.92	21	
		25	0	20.03	19.78	19.83	21	
		1	0	20.12	19.95	19.41	21	
1		13	20.1	20.12	19.77	21		
1		24	20.17	19.92	20.25	21		
12		0	20.06	19.68	19.64	21		
10MHz	QPSK	12	6	20.01	19.81	19.54	21	
		12	13	20.22	19.79	19.43	21	
		25	0	20.32	19.78	19.68	21	
		1	0	20.11	19.96	19.92	21	
		1	25	20.11	19.74	20.09	21	
		1	49	19.95	19.88	19.83	21	
	16QAM	25	0	20.02	20	19.83	21	
		25	13	19.98	20.01	19.76	21	
		25	25	19.95	19.96	19.84	21	
		50	0	20.03	20	19.93	21	
		1	0	19.98	20.15	19.9	21	
		1	25	20.53	19.54	19	21	
64QAM	1	49	20.18	20.18	20.07	21		
	25	0	20.08	19.79	19.73	21		
	25	13	19.82	19.92	19.83	21		
	25	25	19.88	19.91	19.76	21		
	50	0	19.93	19.93	19.73	21		
	1	0	20.15	19.89	19.4	21		
		1	25	20.21	20.14	19.73	21	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26775	26865	26965		
15MHz	QPSK	1	49	20.18	19.83	20.31	21	
		25	0	20.1	19.67	19.72	21	
		25	13	20.02	19.82	19.53	21	
		25	25	20.18	19.76	19.54	21	
		50	0	20.31	19.71	19.7	21	
	16QAM	QPSK	1	0	19.86	19.8	19.88	21
			1	38	19.89	19.97	19.91	21
			1	74	19.84	19.89	19.75	21
			36	0	19.97	20.04	19.94	21
			36	18	19.96	20.06	19.76	21
			36	39	19.93	19.93	19.87	21
		16QAM	1	0	20.37	20.2	20.13	21
			1	38	20.09	20.13	20.21	21
			1	74	20.29	19.95	20.18	21
			36	0	20.01	19.91	19.83	21
			36	18	19.87	19.95	19.78	21
			36	39	20.08	19.85	19.74	21
	64QAM	75	0	19.95	19.9	19.82	21	
		QPSK	1	0	20.05	19.87	19.46	21
			1	38	20.2	20.09	19.68	21
			1	74	20.17	19.83	20.32	21
		16QAM	36	0	20	19.65	19.69	21
			36	18	19.94	19.83	19.46	21
			36	39	20.17	19.73	19.43	21
		75	0	20.25	19.76	19.69	21	

LTE Band 26 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	13.49	13.48	13.25	14.5
		1	2	13.72	13.25	12.87	14.5
		1	5	13.51	13.49	13.39	14.5
		3	0	13.47	13.06	13.45	14.5
		3	2	13.39	13.13	13.25	14.5
		3	3	13.53	12.99	13.49	14.5
		6	0	13.66	13.29	12.85	14.5
	16QAM	1	0	13.72	13.71	13.54	14.5
		1	2	13.59	13.47	13.42	14.5
		1	5	13.27	13.8	13.46	14.5
		3	0	13.42	13.57	13.18	14.5
		3	2	13.44	13.28	13.14	14.5
		3	3	13.66	13.23	13.17	14.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26705	26865	27025		
3MHz	64QAM	6	0	13.56	13.32	13.22	14.5	
		1	0	13.48	13.36	12.86	14.5	
		1	2	13.56	13.5	13.18	14.5	
		1	5	13.61	13.38	13.8	14.5	
		3	0	13.43	13.13	13.08	14.5	
		3	2	13.43	13.27	12.95	14.5	
		3	3	13.68	13.18	12.9	14.5	
		6	0	13.79	13.16	13.13	14.5	
	3MHz	QPSK	1	0	13.48	13.38	13.3	14.5
			1	7	12.81	13.53	12.83	14.5
			1	14	13.47	13.43	13.36	14.5
			8	0	13.36	13.48	13.32	14.5
			8	4	13.47	13.2	13.31	14.5
			8	7	13.45	13.3	13.17	14.5
			15	0	13.63	13.39	13.35	14.5
			16QAM	1	0	13.33	13.7	13.3
		1		7	13.19	13.66	12.97	14.5
		1		14	13.95	13.49	13.55	14.5
		8		0	13.57	13.47	13.12	14.5
		8		4	13.46	13.3	13.04	14.5
		8		7	13.4	13.4	12.95	14.5
		15		0	13.49	13.35	13.22	14.5
		64QAM		1	0	13.55	13.35	12.84
			1	7	13.57	13.54	13.17	14.5
			1	14	13.61	13.38	13.77	14.5
			8	0	13.44	13.06	13.05	14.5
			8	4	13.49	13.19	12.95	14.5
			8	7	13.67	13.22	12.88	14.5
15			0	13.74	13.17	13.17	14.5	
5MHz			QPSK	1	0	13.63	13.51	13.31
		1		13	13.4	13.41	13.3	14.5
		1		24	13.49	13.33	13.3	14.5
		12		0	13.52	13.41	13.35	14.5
		12		6	13.49	13.33	13.18	14.5
		12		13	13.49	13.42	13.37	14.5
		25		0	13.42	13.42	13.41	14.5
	16QAM	1		0	13.57	13.68	13.8	14.5
		1	13	13.93	13.13	13.17	14.5	
		1	24	13.75	13.7	13.7	14.5	
		12	0	13.32	13.23	13.27	14.5	
		12	6	13.5	13.3	13.28	14.5	
		12	13	13.45	13.37	13.31	14.5	
		25	0	13.37	13.31	13.23	14.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
	64QAM	1	0	13.54	13.3	12.84	14.5
		1	13	13.61	13.47	13.21	14.5
		1	24	13.59	13.39	13.73	14.5
		12	0	13.48	13.14	13.06	14.5
		12	6	13.45	13.31	12.97	14.5
		12	13	13.69	13.18	12.95	14.5
		25	0	13.76	13.21	13.17	14.5
10MHz	QPSK	1	0	13.34	13.42	13.32	14.5
1		25	13.58	13.42	13.1	14.5	
	16QAM	1	49	13.4	13.44	13.24	14.5
		25	0	13.48	13.46	13.37	14.5
		25	13	13.41	13.43	13.36	14.5
		25	25	13.39	13.31	13.39	14.5
		50	0	13.47	13.46	13.31	14.5
		1	0	13.72	13.96	13.36	14.5
		1	25	13.69	12.92	12.97	14.5
	64QAM	1	49	13.79	13.69	13.53	14.5
		25	0	13.36	13.25	13.19	14.5
		25	13	13.33	13.39	13.17	14.5
		25	25	13.34	13.38	13.29	14.5
		50	0	13.38	13.34	13.3	14.5
		1	0	13.55	13.37	12.85	14.5
		1	25	13.61	13.56	13.15	14.5
15MHz	QPSK	1	49	13.58	13.29	13.73	14.5
		25	0	13.46	13.06	13.03	14.5
	16QAM	25	13	13.39	13.24	12.99	14.5
		25	25	13.69	13.18	12.89	14.5
		50	0	13.76	13.21	13.2	14.5
		1	0	13.44	13.37	13.35	14.5
		1	38	13.33	13.41	13.34	14.5
		1	74	13.39	13.34	13.24	14.5
		36	0	13.45	13.43	13.34	14.5
	64QAM	36	18	13.44	13.43	13.36	14.5
		36	39	13.46	13.35	13.33	14.5
		75	0	13.48	13.41	13.37	14.5
		1	0	13.49	13.48	13.46	14.5
		1	38	13.2	13.7	13.67	14.5
		1	74	13.18	13.75	13.53	14.5
		36	0	13.51	13.36	13.37	14.5
	64QAM	36	18	13.34	13.44	13.26	14.5
		36	39	13.36	13.39	13.32	14.5
		75	0	13.35	13.32	13.22	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
		1	0	13.44	13.37	13.35	14.5
		1	38	13.33	13.41	13.34	14.5
		1	74	13.39	13.34	13.24	14.5
		36	0	13.45	13.43	13.34	14.5
		36	18	13.44	13.43	13.36	14.5
		36	39	13.46	13.35	13.33	14.5
		75	0	13.48	13.41	13.37	14.5
		1	0	13.49	13.48	13.46	14.5
		1	38	13.2	13.7	13.67	14.5
		1	74	13.18	13.75	13.53	14.5
		36	0	13.51	13.36	13.37	14.5
		36	18	13.34	13.44	13.26	14.5
		36	39	13.36	13.39	13.32	14.5
		75	0	13.35	13.32	13.22	14.5
		1	0	13.5	13.35	12.91	14.5

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		1	38	13.53	13.52	13.12	14.5
		1	74	13.59	13.4	13.75	14.5
		36	0	13.54	13.1	13.05	14.5
		36	18	13.43	13.2	13	14.5
		36	39	13.63	13.25	12.93	14.5
		75	0	13.8	13.15	13.21	14.5

LTE Band 26 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26697	26865	27033		
1.4MHz	QPSK	1	0	14.08	13.95	13.92	15	
		1	2	13.53	14.19	13.56	15	
		1	5	14	14.02	13.93	15	
		3	0	14.11	13.99	13.9	15	
		3	2	13.38	13.59	13.36	15	
		3	3	13.83	13.77	13.86	15	
	16QAM	6	0	13.98	13.51	13.73	15	
		1	0	14.49	14.22	13.78	15	
		1	2	14.44	13.59	14.05	15	
		1	5	13.94	14.33	14.29	15	
		3	0	13.76	13.8	13.89	15	
		3	2	13.9	13.63	13.73	15	
	64QAM	3	3	14.27	14.1	13.77	15	
		6	0	13.83	13.78	13.77	15	
		1	0	13.9	13.75	13.32	15	
		1	2	14	13.93	13.55	15	
		1	5	14.08	13.85	14.17	15	
		3	0	14.02	13.59	13.51	15	
	3MHz	QPSK	3	2	13.9	13.66	13.46	15
			3	3	14.05	13.7	13.33	15
			6	0	14.27	13.61	13.63	15
1			0	14.04	13.9	13.81	15	
1			7	14.7	13.73	13.62	15	
1			14	14.05	13.9	13.73	15	
16QAM		8	0	13.85	13.84	13.66	15	
		8	4	13.89	13.74	13.66	15	
		8	7	13.83	13.6	13.92	15	
		15	0	13.91	13.88	13.69	15	
		1	0	14.23	14	14.01	15	
		1	7	13.12	14.08	13.4	15	
		1	14	14.41	14.34	14.03	15	
		8	0	14	13.72	13.76	15	
		8	4	13.87	13.87	13.73	15	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	64QAM	8	7	14.02	13.89	13.72	15
		15	0	13.93	13.7	13.77	15
		1	0	13.94	13.81	13.38	15
		1	7	14.02	13.95	13.53	15
		1	14	14.06	13.86	14.17	15
		8	0	14.02	13.6	13.53	15
		8	4	13.93	13.64	13.45	15
		8	7	14.1	13.71	13.39	15
	15	0	14.29	13.61	13.69	15	
	QPSK	1	0	13.94	13.93	13.94	15
			13	13.95	13.78	13.8	15
			24	14.03	13.87	13.71	15
			0	14.07	13.96	13.9	15
			6	14.05	13.93	13.83	15
			13	14.03	13.85	13.92	15
			0	13.96	13.85	13.74	15
		12	0	14.02	14.05	14.07	15
			13	14.33	14.21	14.01	15
			24	13.92	13.89	13.89	15
			0	14	13.89	13.73	15
			6	13.98	13.87	13.68	15
			13	13.98	13.83	13.85	15
			0	13.86	13.89	13.81	15
		25	0	13.91	13.79	13.33	15
			13	13.98	13.96	13.55	15
			24	14.07	13.88	14.21	15
			0	13.95	13.57	13.48	15
			6	13.86	13.66	13.41	15
13			14.05	13.74	13.39	15	
0			14.22	13.55	13.7	15	
16QAM		1	0	13.99	13.88	13.87	15
		25	13.89	13.79	13.41	15	
QPSK		1	49	13.88	13.78	13.82	15
	0	14.03	13.86	13.89	15		
	13	13.94	13.97	13.87	15		
	25	13.98	13.86	13.9	15		
	0	14	14	13.82	15		
	1	0	14.37	13.99	13.99	15	
	25	14.09	13.89	13.98	15		
16QAM	1	49	14.06	13.86	14.02	15	
	0	13.92	13.94	13.77	15		
	13	13.96	13.91	13.83	15		
	25	13.79	13.77	13.81	15		
	25	13.79	13.77	13.81	15		
	25	13.79	13.77	13.81	15		

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26775	26865	26965		
15MHz	64QAM	50	0	13.88	13.79	13.71	15	
		1	0	13.91	13.77	13.38	15	
		1	25	13.97	13.97	13.56	15	
		1	49	14.02	13.83	14.16	15	
		25	0	14	13.55	13.54	15	
		25	13	13.85	13.62	13.47	15	
		25	25	14.09	13.7	13.43	15	
		50	0	14.24	13.58	13.7	15	
	QPSK	1	0	13.91	13.91	13.9	15	
		1	38	13.86	13.88	13.77	15	
		1	74	13.78	13.78	13.8	15	
		36	0	13.98	13.9	13.87	15	
		36	18	13.96	14.02	13.92	15	
		36	39	13.87	13.93	13.86	15	
		75	0	13.86	13.98	13.8	15	
		16QAM	1	0	13.95	13.7	13.91	15
			1	38	14.14	14.34	13.87	15
			1	74	14.03	13.65	14.24	15
			36	0	13.97	13.87	13.8	15
			36	18	13.86	13.73	13.84	15
			36	39	13.9	13.84	13.76	15
			75	0	13.88	13.87	13.8	15
		64QAM	1	0	13.93	13.84	13.4	15
			1	38	13.98	13.99	13.55	15
			1	74	14	13.89	14.17	15
			36	0	14.02	13.55	13.52	15
			36	18	13.89	13.64	13.5	15
			36	39	14.06	13.66	13.35	15
75	0		14.28	13.58	13.68	15		

LTE Band 26 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	17.92	17.9	17.9	19
		1	2	17.86	16.85	16.79	19
		1	5	18.06	17.9	17.82	19
		3	0	17.73	17.87	17.69	19
		3	2	17.75	17.63	17.52	19
		3	3	17.74	17.7	17.47	19
		6	0	18.13	17.75	17.89	19
	16QAM	1	0	18.46	18.07	18.3	19
		1	2	18.1	18.31	17.13	19
		1	5	18.22	18.15	18.05	19

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26705	26865	27025		
3MHz	64QAM	3	0	17.78	17.83	17.43	19	
		3	2	17.57	17.55	17.48	19	
		3	3	17.93	17.85	17.66	19	
		6	0	17.94	17.92	18.05	19	
		1	0	17.79	17.69	17.26	19	
		1	2	17.89	17.86	17.48	19	
		1	5	18.03	17.74	18.14	19	
		3	0	17.96	17.56	17.44	19	
		3	2	17.84	17.61	17.39	19	
	3	3	18	17.68	17.25	19		
	6	0	18.21	17.53	17.6	19		
	3MHz	QPSK	1	0	18.04	17.96	17.84	19
			1	7	17.51	17.75	17.31	19
			1	14	17.9	17.98	17.75	19
			8	0	17.97	17.95	17.73	19
			8	4	17.71	17.98	17.83	19
			8	7	18.03	17.86	17.82	19
			15	0	17.98	17.97	17.71	19
16QAM		1	0	18.27	18.32	17.99	19	
		1	7	18.15	18.09	17.72	19	
		1	14	18.35	18.24	18.09	19	
		8	0	17.8	17.96	17.93	19	
		8	4	17.99	18	17.77	19	
		8	7	17.84	17.88	17.75	19	
		15	0	18.07	17.82	17.69	19	
64QAM		1	0	17.88	17.75	17.22	19	
		1	7	17.92	17.84	17.55	19	
		1	14	18.06	17.83	18.15	19	
		8	0	17.97	17.48	17.5	19	
	8	4	17.81	17.58	17.37	19		
	8	7	17.97	17.67	17.27	19		
	15	0	18.24	17.57	17.56	19		
5MHz	QPSK	1	0	18.06	17.84	17.84	19	
		1	13	17.95	17.93	17.89	19	
		1	24	18.02	17.92	17.7	19	
		12	0	18.08	17.96	17.82	19	
		12	6	18.16	17.8	17.69	19	
		12	13	18.01	18.05	17.85	19	
		25	0	17.96	17.94	17.76	19	
		16QAM	1	0	18.26	18.4	18.43	19
			1	13	17.63	17.95	18.31	19
	1		24	18.36	18.42	17.63	19	
	12		0	18	17.99	17.79	19	
	12		0	18	17.99	17.79	19	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26750	26865	26990		
10MHz	64QAM	12	6	17.96	17.93	17.89	19	
		12	13	18.15	17.93	17.88	19	
		25	0	17.92	18.06	17.97	19	
		1	0	17.82	17.7	17.27	19	
		1	13	17.97	17.85	17.48	19	
		1	24	18	17.76	18.13	19	
		12	0	17.95	17.48	17.51	19	
		12	6	17.82	17.6	17.37	19	
		12	13	17.99	17.64	17.22	19	
	25	0	18.24	17.59	17.63	19		
	15MHz	QPSK	1	0	17.99	17.97	17.86	19
			1	25	17.65	17.39	17.31	19
			1	49	17.91	17.87	17.86	19
			25	0	18.08	17.93	17.81	19
			25	13	18.01	17.9	17.92	19
			25	25	17.94	17.85	17.95	19
			50	0	18.06	17.91	17.84	19
			16QAM	1	0	18.41	18.26	17.75
1				25	18.01	17.83	17.59	19
1		49		17.73	18.32	18.09	19	
25		0		18.06	17.89	17.85	19	
25		13		17.93	17.83	17.76	19	
25		25		17.87	17.91	17.87	19	
50		0		17.85	17.81	17.88	19	
64QAM		1		0	17.86	17.75	17.22	19
		1		25	17.91	17.91	17.49	19
		1	49	18.04	17.79	18.17	19	
		25	0	17.99	17.57	17.44	19	
	25	13	17.8	17.61	17.38	19		
	25	25	18.04	17.68	17.32	19		
	50	0	18.25	17.52	17.61	19		
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					26775	26865	26965	
15MHz	QPSK	1	0	18.04	17.89	17.99	19	
		1	38	18	17.94	17.91	19	
		1	74	17.92	17.76	17.61	19	
		36	0	18.05	17.97	17.95	19	
		36	18	18.02	17.99	17.93	19	
		36	39	18.01	17.87	17.93	19	
		75	0	18.05	17.92	17.85	19	
		16QAM	1	0	18.26	18.18	18.41	19
			1	38	18.23	18.28	18.22	19
	1		74	18.27	18.13	18.16	19	
	36		0	17.98	18.02	17.8	19	
	36		18	17.97	17.88	17.85	19	

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64QAM	36	39	17.94	17.87	17.79	19
	75	0	17.96	17.91	17.7	19
	1	0	17.86	17.63	17.29	19
	1	38	17.89	17.87	17.49	19
	1	74	17.98	17.84	18.15	19
	36	0	17.99	17.49	17.51	19
	36	18	17.85	17.57	17.35	19
	36	39	18.03	17.67	17.22	19
	75	0	18.27	17.51	17.53	19

LTE Band 26 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26697	26865	27033		
1.4MHz	QPSK	1	0	13.49	13.48	13.25	14.5	
		1	2	13.72	13.25	12.87	14.5	
		1	5	13.51	13.49	13.39	14.5	
		3	0	13.47	13.06	13.45	14.5	
		3	2	13.39	13.13	13.25	14.5	
		3	3	13.53	12.99	13.49	14.5	
	16QAM	6	0	13.66	13.29	12.85	14.5	
		1	0	13.72	13.71	13.54	14.5	
		1	2	13.59	13.47	13.42	14.5	
		1	5	13.27	13.8	13.46	14.5	
		3	0	13.42	13.57	13.18	14.5	
		3	2	13.44	13.28	13.14	14.5	
	64QAM	3	3	13.66	13.23	13.17	14.5	
		6	0	13.56	13.32	13.22	14.5	
		1	0	13.48	13.36	12.86	14.5	
		1	2	13.56	13.5	13.18	14.5	
		1	5	13.61	13.38	13.8	14.5	
		3	0	13.43	13.13	13.08	14.5	
	3MHz	QPSK	3	2	13.43	13.27	12.95	14.5
			3	3	13.68	13.18	12.9	14.5
			6	0	13.79	13.16	13.13	14.5
			1	0	13.48	13.38	13.3	14.5
			1	7	12.81	13.53	12.83	14.5
			1	14	13.47	13.43	13.36	14.5
8			0	13.36	13.48	13.32	14.5	
8		4	13.47	13.2	13.31	14.5		
16QAM	8	7	13.45	13.3	13.17	14.5		
	15	0	13.63	13.39	13.35	14.5		
	1	0	13.33	13.7	13.3	14.5		
	1	7	13.19	13.66	12.97	14.5		

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		1	14	13.95	13.49	13.55	14.5	
		8	0	13.57	13.47	13.12	14.5	
		8	4	13.46	13.3	13.04	14.5	
		8	7	13.4	13.4	12.95	14.5	
		15	0	13.49	13.35	13.22	14.5	
		64QAM	1	0	13.55	13.35	12.84	14.5
			1	7	13.57	13.54	13.17	14.5
			1	14	13.61	13.38	13.77	14.5
			8	0	13.44	13.06	13.05	14.5
			8	4	13.49	13.19	12.95	14.5
		8	7	13.67	13.22	12.88	14.5	
		15	0	13.74	13.17	13.17	14.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26715	26865	27015		
5MHz	QPSK	1	0	13.63	13.51	13.31	14.5	
		1	13	13.4	13.41	13.3	14.5	
		1	24	13.49	13.33	13.3	14.5	
		12	0	13.52	13.41	13.35	14.5	
		12	6	13.49	13.33	13.18	14.5	
		12	13	13.49	13.42	13.37	14.5	
		25	0	13.42	13.42	13.41	14.5	
	16QAM	1	0	13.57	13.68	13.8	14.5	
		1	13	13.93	13.13	13.17	14.5	
		1	24	13.75	13.7	13.7	14.5	
		12	0	13.32	13.23	13.27	14.5	
		12	6	13.5	13.3	13.28	14.5	
		12	13	13.45	13.37	13.31	14.5	
		25	0	13.37	13.31	13.23	14.5	
	64QAM	1	0	13.54	13.3	12.84	14.5	
		1	13	13.61	13.47	13.21	14.5	
		1	24	13.59	13.39	13.73	14.5	
		12	0	13.48	13.14	13.06	14.5	
		12	6	13.45	13.31	12.97	14.5	
		12	13	13.69	13.18	12.95	14.5	
		25	0	13.76	13.21	13.17	14.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					26750	26865	26990	
	10MHz	QPSK	1	0	13.34	13.42	13.32	14.5
1			25	13.58	13.42	13.1	14.5	
1			49	13.4	13.44	13.24	14.5	
25			0	13.48	13.46	13.37	14.5	
25			13	13.41	13.43	13.36	14.5	
25			25	13.39	13.31	13.39	14.5	
50			0	13.47	13.46	13.31	14.5	
16QAM		1	0	13.72	13.96	13.36	14.5	
		1	25	13.69	12.92	12.97	14.5	
		1	49	13.79	13.69	13.53	14.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26775	26865	26965		
15MHz	64QAM	25	0	13.36	13.25	13.19	14.5	
		25	13	13.33	13.39	13.17	14.5	
		25	25	13.34	13.38	13.29	14.5	
		50	0	13.38	13.34	13.3	14.5	
		1	0	13.55	13.37	12.85	14.5	
		1	25	13.61	13.56	13.15	14.5	
		1	49	13.58	13.29	13.73	14.5	
		25	0	13.46	13.06	13.03	14.5	
		25	13	13.39	13.24	12.99	14.5	
	25	25	13.69	13.18	12.89	14.5		
	50	0	13.76	13.21	13.2	14.5		
	15MHz	QPSK	1	0	13.44	13.37	13.35	14.5
			1	38	13.33	13.41	13.34	14.5
			1	74	13.39	13.34	13.24	14.5
			36	0	13.45	13.43	13.34	14.5
			36	18	13.44	13.43	13.36	14.5
			36	39	13.46	13.35	13.33	14.5
			75	0	13.48	13.41	13.37	14.5
		16QAM	1	0	13.49	13.48	13.46	14.5
			1	38	13.2	13.7	13.67	14.5
			1	74	13.18	13.75	13.53	14.5
			36	0	13.51	13.36	13.37	14.5
			36	18	13.34	13.44	13.26	14.5
			36	39	13.36	13.39	13.32	14.5
			75	0	13.35	13.32	13.22	14.5
		64QAM	1	0	13.5	13.35	12.91	14.5
			1	38	13.53	13.52	13.12	14.5
			1	74	13.59	13.4	13.75	14.5
36			0	13.54	13.1	13.05	14.5	
36			18	13.43	13.2	13	14.5	
36			39	13.63	13.25	12.93	14.5	
75			0	13.8	13.15	13.21	14.5	

LTE Band 26 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	14.08	13.95	13.92	15
		1	2	13.53	14.19	13.56	15
		1	5	14	14.02	13.93	15
		3	0	14.11	13.99	13.9	15
		3	2	13.38	13.59	13.36	15
		3	3	13.83	13.77	13.86	15
		6	0	13.98	13.51	13.73	15

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	16QAM	1	0	14.49	14.22	13.78	15
		1	2	14.44	13.59	14.05	15
		1	5	13.94	14.33	14.29	15
		3	0	13.76	13.8	13.89	15
		3	2	13.9	13.63	13.73	15
		3	3	14.27	14.1	13.77	15
		6	0	13.83	13.78	13.77	15
	64QAM	1	0	13.9	13.75	13.32	15
		1	2	14	13.93	13.55	15
		1	5	14.08	13.85	14.17	15
		3	0	14.02	13.59	13.51	15
		3	2	13.9	13.66	13.46	15
		3	3	14.05	13.7	13.33	15
		6	0	14.27	13.61	13.63	15
Bandwidth	Modulation	RB size	RB offset	Channel 26705	Channel 26865	Channel 27025	Tune up
3MHz	QPSK	1	0	14.04	13.9	13.81	15
		1	7	14.7	13.73	13.62	15
		1	14	14.05	13.9	13.73	15
		8	0	13.85	13.84	13.66	15
		8	4	13.89	13.74	13.66	15
		8	7	13.83	13.6	13.92	15
		15	0	13.91	13.88	13.69	15
	16QAM	1	0	14.23	14	14.01	15
		1	7	13.12	14.08	13.4	15
		1	14	14.41	14.34	14.03	15
		8	0	14	13.72	13.76	15
		8	4	13.87	13.87	13.73	15
		8	7	14.02	13.89	13.72	15
		15	0	13.93	13.7	13.77	15
	64QAM	1	0	13.94	13.81	13.38	15
		1	7	14.02	13.95	13.53	15
		1	14	14.06	13.86	14.17	15
		8	0	14.02	13.6	13.53	15
		8	4	13.93	13.64	13.45	15
		8	7	14.1	13.71	13.39	15
		15	0	14.29	13.61	13.69	15
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
5MHz	QPSK	1	0	13.94	13.93	13.94	15
		1	13	13.95	13.78	13.8	15
		1	24	14.03	13.87	13.71	15
		12	0	14.07	13.96	13.9	15
		12	6	14.05	13.93	13.83	15
		12	13	14.03	13.85	13.92	15
		25	0	13.96	13.85	13.74	15
	16QAM	1	0	14.02	14.05	14.07	15

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		1	13	14.33	14.21	14.01	15	
		1	24	13.92	13.89	13.89	15	
		12	0	14	13.89	13.73	15	
		12	6	13.98	13.87	13.68	15	
		12	13	13.98	13.83	13.85	15	
		25	0	13.86	13.89	13.81	15	
	64QAM	1	0	13.91	13.79	13.33	15	
		1	13	13.98	13.96	13.55	15	
		1	24	14.07	13.88	14.21	15	
		12	0	13.95	13.57	13.48	15	
		12	6	13.86	13.66	13.41	15	
		12	13	14.05	13.74	13.39	15	
		25	0	14.22	13.55	13.7	15	
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up	
10MHz	QPSK	1	0	13.99	13.88	13.87	15	
		1	25	13.89	13.79	13.41	15	
		1	49	13.88	13.78	13.82	15	
		25	0	14.03	13.86	13.89	15	
		25	13	13.94	13.97	13.87	15	
		25	25	13.98	13.86	13.9	15	
		50	0	14	14	13.82	15	
	16QAM	1	0	14.37	13.99	13.99	15	
		1	25	14.09	13.89	13.98	15	
		1	49	14.06	13.86	14.02	15	
		25	0	13.92	13.94	13.77	15	
		25	13	13.96	13.91	13.83	15	
		25	25	13.79	13.77	13.81	15	
		50	0	13.88	13.79	13.71	15	
	64QAM	1	0	13.91	13.77	13.38	15	
		1	25	13.97	13.97	13.56	15	
		1	49	14.02	13.83	14.16	15	
		25	0	14	13.55	13.54	15	
		25	13	13.85	13.62	13.47	15	
		25	25	14.09	13.7	13.43	15	
		50	0	14.24	13.58	13.7	15	
	Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
	15MHz	QPSK	1	0	13.91	13.91	13.9	15
			1	38	13.86	13.88	13.77	15
1			74	13.78	13.78	13.8	15	
36			0	13.98	13.9	13.87	15	
36			18	13.96	14.02	13.92	15	
36			39	13.87	13.93	13.86	15	
75			0	13.86	13.98	13.8	15	
16QAM		1	0	13.95	13.7	13.91	15	
		1	38	14.14	14.34	13.87	15	

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64QAM	1	74	14.03	13.65	14.24	15
	36	0	13.97	13.87	13.8	15
	36	18	13.86	13.73	13.84	15
	36	39	13.9	13.84	13.76	15
	75	0	13.88	13.87	13.8	15
	1	0	13.93	13.84	13.4	15
	1	38	13.98	13.99	13.55	15
	1	74	14	13.89	14.17	15
	36	0	14.02	13.55	13.52	15
	36	18	13.89	13.64	13.5	15
	36	39	14.06	13.66	13.35	15
	75	0	14.28	13.58	13.68	15

LTE Band 26 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	17.92	17.9	17.9	19
		1	2	17.86	16.85	16.79	19
		1	5	18.06	17.9	17.82	19
		3	0	17.73	17.87	17.69	19
		3	2	17.75	17.63	17.52	19
		3	3	17.74	17.7	17.47	19
		6	0	18.13	17.75	17.89	19
	16QAM	1	0	18.46	18.07	18.3	19
		1	2	18.1	18.31	17.13	19
		1	5	18.22	18.15	18.05	19
		3	0	17.78	17.83	17.43	19
		3	2	17.57	17.55	17.48	19
		3	3	17.93	17.85	17.66	19
		6	0	17.94	17.92	18.05	19
	64QAM	1	0	17.79	17.69	17.26	19
		1	2	17.89	17.86	17.48	19
		1	5	18.03	17.74	18.14	19
		3	0	17.96	17.56	17.44	19
		3	2	17.84	17.61	17.39	19
		3	3	18	17.68	17.25	19
		6	0	18.21	17.53	17.6	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK			26705	26865	27025	
		1	0	18.04	17.96	17.84	19
		1	7	17.51	17.75	17.31	19
		1	14	17.9	17.98	17.75	19
		8	0	17.97	17.95	17.73	19
		8	4	17.71	17.98	17.83	19
		8	7	18.03	17.86	17.82	19

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	16QAM	15	0	17.98	17.97	17.71	19
		1	0	18.27	18.32	17.99	19
		1	7	18.15	18.09	17.72	19
		1	14	18.35	18.24	18.09	19
		8	0	17.8	17.96	17.93	19
		8	4	17.99	18	17.77	19
		8	7	17.84	17.88	17.75	19
	64QAM	15	0	18.07	17.82	17.69	19
		1	0	17.88	17.75	17.22	19
		1	7	17.92	17.84	17.55	19
		1	14	18.06	17.83	18.15	19
		8	0	17.97	17.48	17.5	19
		8	4	17.81	17.58	17.37	19
		8	7	17.97	17.67	17.27	19
15	0	18.24	17.57	17.56	19		
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
5MHz	QPSK	1	0	18.06	17.84	17.84	19
		1	13	17.95	17.93	17.89	19
		1	24	18.02	17.92	17.7	19
		12	0	18.08	17.96	17.82	19
		12	6	18.16	17.8	17.69	19
		12	13	18.01	18.05	17.85	19
		25	0	17.96	17.94	17.76	19
	16QAM	1	0	18.26	18.4	18.43	19
		1	13	17.63	17.95	18.31	19
		1	24	18.36	18.42	17.63	19
		12	0	18	17.99	17.79	19
		12	6	17.96	17.93	17.89	19
		12	13	18.15	17.93	17.88	19
		25	0	17.92	18.06	17.97	19
	64QAM	1	0	17.82	17.7	17.27	19
		1	13	17.97	17.85	17.48	19
		1	24	18	17.76	18.13	19
		12	0	17.95	17.48	17.51	19
		12	6	17.82	17.6	17.37	19
		12	13	17.99	17.64	17.22	19
		25	0	18.24	17.59	17.63	19
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	17.99	17.97	17.86	19
		1	25	17.65	17.39	17.31	19
		1	49	17.91	17.87	17.86	19
		25	0	18.08	17.93	17.81	19
		25	13	18.01	17.9	17.92	19
		25	25	17.94	17.85	17.95	19
		50	0	18.06	17.91	17.84	19

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	16QAM	1	0	18.41	18.26	17.75	19
		1	25	18.01	17.83	17.59	19
		1	49	17.73	18.32	18.09	19
		25	0	18.06	17.89	17.85	19
		25	13	17.93	17.83	17.76	19
		25	25	17.87	17.91	17.87	19
		50	0	17.85	17.81	17.88	19
	64QAM	1	0	17.86	17.75	17.22	19
		1	25	17.91	17.91	17.49	19
		1	49	18.04	17.79	18.17	19
		25	0	17.99	17.57	17.44	19
		25	13	17.8	17.61	17.38	19
		25	25	18.04	17.68	17.32	19
		50	0	18.25	17.52	17.61	19
Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	18.04	17.89	17.99	19
		1	38	18	17.94	17.91	19
		1	74	17.92	17.76	17.61	19
		36	0	18.05	17.97	17.95	19
		36	18	18.02	17.99	17.93	19
		36	39	18.01	17.87	17.93	19
		75	0	18.05	17.92	17.85	19
	16QAM	1	0	18.26	18.18	18.41	19
		1	38	18.23	18.28	18.22	19
		1	74	18.27	18.13	18.16	19
		36	0	17.98	18.02	17.8	19
		36	18	17.97	17.88	17.85	19
		36	39	17.94	17.87	17.79	19
		75	0	17.96	17.91	17.7	19
	64QAM	1	0	17.86	17.63	17.29	19
		1	38	17.89	17.87	17.49	19
		1	74	17.98	17.84	18.15	19
		36	0	17.99	17.49	17.51	19
		36	18	17.85	17.57	17.35	19
		36	39	18.03	17.67	17.22	19
		75	0	18.27	17.51	17.53	19

LTE Band 26 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	15.53	15.4	15.3	16.5
		1	2	15.74	15.16	15.48	16.5
		1	5	15.44	15.48	15.4	16.5
		3	0	15.42	15.11	15.27	16.5

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		3	2	15.72	15.42	15.08	16.5	
		3	3	15.28	15.43	15.19	16.5	
		6	0	15.48	15.31	15.02	16.5	
	16QAM	1	0	15.9	15.75	15.71	16.5	
		1	2	15.68	15.42	15.61	16.5	
		1	5	16	15.76	15.13	16.5	
		3	0	15.57	15.42	15.26	16.5	
		3	2	15.8	15.39	15.15	16.5	
		3	3	15.33	15.39	15.47	16.5	
		6	0	15.39	15.34	15.24	16.5	
		64QAM	1	0	15.28	15.13	15.07	16.5
	1		2	15.33	15.41	15.32	16.5	
	1		5	15.54	15.32	15.24	16.5	
	3		0	15.05	14.92	15.03	16.5	
	3		2	14.79	14.95	14.88	16.5	
	3		3	15.13	14.92	14.97	16.5	
6	0		14.91	15	14.95	16.5		
Bandwidth	Modulation	RB size	RB offset	Channel 26705	Channel 26865	Channel 27025	Tune up	
3MHz	QPSK	1	0	15.5	15.44	15.34	16.5	
		1	7	14.85	14.24	15.05	16.5	
		1	14	15.47	15.45	15.34	16.5	
		8	0	15.35	15.25	15.31	16.5	
		8	4	15.26	14.92	15.36	16.5	
		8	7	15.58	15.28	14.94	16.5	
		15	0	15.53	15.48	15.36	16.5	
	16QAM	1	0	15.72	15.89	15.7	16.5	
		1	7	15.12	15.3	15.62	16.5	
		1	14	15.38	15.68	15.73	16.5	
		8	0	15.54	15.36	14.98	16.5	
		8	4	15.47	15.39	15.4	16.5	
		8	7	15.26	15.26	15.36	16.5	
		15	0	15.47	15.42	15.14	16.5	
	64QAM	1	0	15.25	15.12	15.05	16.5	
		1	7	15.3	15.36	15.33	16.5	
		1	14	15.57	15.39	15.19	16.5	
		8	0	15.08	14.91	14.97	16.5	
		8	4	14.83	14.97	14.91	16.5	
		8	7	15.13	14.91	14.98	16.5	
		15	0	14.89	14.98	14.99	16.5	
	Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
	5MHz	QPSK	1	0	15.49	15.46	15.33	16.5
			1	13	15.6	15.44	15.35	16.5
1			24	15.5	15.38	15.33	16.5	
12			0	15.57	15.51	15.41	16.5	
12			6	15.12	15.57	14.92	16.5	

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	16QAM	12	13	15.5	15.51	15.27	16.5	
		25	0	15.57	15.38	15.24	16.5	
		1	0	15.99	15.74	15.82	16.5	
		1	13	15.96	15.29	15.69	16.5	
		1	24	15.25	15.8	15.59	16.5	
		12	0	15.52	15.53	15.36	16.5	
		12	6	15.55	15.4	15.12	16.5	
		12	13	15.62	15.28	15.39	16.5	
	64QAM	25	0	15.36	15.48	15.26	16.5	
		1	0	15.29	15.1	15.01	16.5	
		1	13	15.26	15.31	15.37	16.5	
		1	24	15.63	15.37	15.25	16.5	
		12	0	15.14	14.97	15	16.5	
		12	6	14.87	14.93	14.94	16.5	
		12	13	15.23	14.89	15	16.5	
		25	0	14.91	14.98	14.96	16.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
10MHz	QPSK	1	0	15.5	15.47	15.39	16.5	
		1	25	15.22	15.77	15.24	16.5	
		1	49	15.42	15.36	15.38	16.5	
		25	0	15.55	15.47	15.34	16.5	
		25	13	15.47	15.44	15.34	16.5	
		25	25	15.44	15.29	15.35	16.5	
		50	0	15.56	15.47	15.39	16.5	
	16QAM	1	0	15.3	15.9	15.66	16.5	
		1	25	15.85	15.78	15.32	16.5	
		1	49	15.72	15.67	15.6	16.5	
		25	0	15.4	15.44	15.35	16.5	
		25	13	15.35	15.41	15.39	16.5	
		25	25	15.33	15.22	15.17	16.5	
		50	0	15.4	15.41	15.3	16.5	
	64QAM	1	0	15.17	15.11	15.03	16.5	
		1	25	15.29	15.32	15.39	16.5	
		1	49	15.53	15.29	15.22	16.5	
		25	0	15.12	14.95	15.01	16.5	
		25	13	14.79	14.93	14.98	16.5	
		25	25	15.23	14.87	14.98	16.5	
		50	0	14.87	14.95	14.98	16.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	15MHz	QPSK	1	0	15.51	15.38	15.37	16.5
			1	38	15.61	15.46	15.38	16.5
1			74	15.4	15.35	15.33	16.5	
36			0	15.53	15.51	15.43	16.5	
36			18	15.55	15.5	15.35	16.5	
36			39	15.47	15.42	15.41	16.5	

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	16QAM	75	0	15.46	15.47	15.46	16.5
		1	0	15.86	15.81	15.46	16.5
		1	38	15.46	15.89	15.65	16.5
		1	74	15.34	15.68	15.47	16.5
		36	0	15.59	15.45	15.46	16.5
		36	18	15.46	15.46	15.37	16.5
		36	39	15.39	15.44	15.32	16.5
	75	0	15.39	15.4	15.32	16.5	
	64QAM	1	0	15.2	15.12	15.09	16.5
		1	38	15.34	15.34	15.31	16.5
		1	74	15.54	15.28	15.21	16.5
		36	0	15.08	14.9	14.99	16.5
		36	18	14.85	14.92	14.97	16.5
		36	39	15.15	14.88	14.99	16.5
75		0	14.9	14.95	14.94	16.5	

LTE Band 26 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	16.05	15.93	15.77	17
		1	2	16.18	15.62	15.98	17
		1	5	15.95	15.98	15.83	17
		3	0	15.78	15.94	15.94	17
		3	2	16.08	15.6	14.67	17
		3	3	16.02	15.85	15.87	17
		6	0	16.01	16.03	15.53	17
	16QAM	1	0	16.18	15.98	15.55	17
		1	2	16.36	16.35	15.83	17
		1	5	16.27	15.94	16.37	17
		3	0	16.17	15.82	15.89	17
		3	2	16.2	16	15.7	17
		3	3	16.3	15.92	15.71	17
		6	0	16.33	15.92	15.92	17
	64QAM	1	0	16.06	15.85	15.38	17
		1	2	16.19	16.16	15.82	17
		1	5	16.15	15.83	16.34	17
		3	0	16	15.67	15.79	17
		3	2	16	15.87	15.64	17
		3	3	16.15	15.89	15.63	17
		6	0	16.18	15.78	15.76	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK			26705	26865	27025	
		1	0	16.04	15.92	15.85	17
		1	7	15.57	15.71	15.69	17
		1	14	15.97	15.9	15.79	17

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		8	0	15.88	16.07	15.79	17
		8	4	15.88	16.02	15.68	17
		8	7	15.81	15.95	15.83	17
		15	0	15.98	15.92	15.94	17
	16QAM	1	0	16.66	15.78	16.19	17
		1	7	15.51	15.99	15.58	17
		1	14	16.37	16.08	16.13	17
		8	0	15.92	15.78	15.6	17
		8	4	16.05	15.89	15.69	17
		8	7	16.01	15.88	15.74	17
	64QAM	15	0	15.86	15.93	15.66	17
		1	0	15.99	15.9	15.36	17
		1	7	16.27	16.33	15.69	17
		1	14	16.08	15.94	16.28	17
		8	0	16.06	15.67	15.77	17
8		4	16.08	15.84	15.64	17	
		8	7	16.17	15.76	15.7	17
		15	0	16.27	15.85	15.8	17
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
5MHz	QPSK	1	0	16.07	15.98	15.84	17
		1	13	16.03	15.97	15.8	17
		1	24	15.94	15.96	15.85	17
		12	0	15.99	15.94	15.84	17
		12	6	15.95	16.03	15.91	17
		12	13	16.07	15.96	15.9	17
	16QAM	25	0	15.93	15.84	15.88	17
		1	0	15.95	16.39	16.19	17
		1	13	16.62	15.89	16.01	17
		1	24	16.4	15.93	16.12	17
		12	0	15.93	15.93	15.91	17
		12	6	15.87	15.84	15.78	17
	64QAM	12	13	15.98	16	15.91	17
		25	0	15.84	15.84	15.75	17
		1	0	16.07	15.94	15.51	17
		1	13	16.26	16.2	15.73	17
		1	24	16.23	15.79	16.36	17
		12	0	16.14	15.71	15.82	17
		12	6	16.2	15.96	15.69	17
		12	13	16.16	15.91	15.61	17
		25	0	16.31	15.73	15.89	17
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	16.03	15.99	15.93	17
		1	25	16.14	15.4	16.22	17
		1	49	15.86	15.86	15.85	17
		25	0	16.03	15.98	15.85	17

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	16QAM	25	13	16.01	15.96	15.84	17
		25	25	15.96	15.94	15.75	17
		50	0	15.93	15.96	15.89	17
		1	0	16.29	15.79	16.06	17
		1	25	16.52	15.95	15.76	17
		1	49	16.17	16.04	16.15	17
		25	0	15.95	15.86	15.77	17
		25	13	15.9	15.84	15.87	17
		25	25	15.84	15.84	15.72	17
	50	0	15.96	15.92	15.82	17	
	64QAM	1	0	16.16	15.9	15.48	17
		1	25	16.2	16.29	15.82	17
		1	49	16.23	15.82	16.18	17
		25	0	16.09	15.63	15.71	17
		25	13	16.09	15.96	15.52	17
		25	25	16.27	15.91	15.66	17
		50	0	16.14	15.8	15.86	17
	Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965
15MHz	QPSK	1	0	15.84	15.93	15.91	17
		1	38	15.87	15.82	15.81	17
		1	74	15.83	15.89	15.78	17
		36	0	15.96	16	15.94	17
		36	18	15.94	15.98	15.86	17
		36	39	15.98	15.9	15.79	17
		75	0	15.97	15.95	15.84	17
	16QAM	1	0	15.73	16.26	16.1	17
		1	38	15.82	16.12	16.27	17
		1	74	16.1	16.29	15.55	17
		36	0	15.93	15.9	15.78	17
		36	18	15.78	15.89	15.86	17
		36	39	15.84	15.77	15.77	17
		75	0	15.82	15.85	15.71	17
	64QAM	1	0	16.15	15.97	15.46	17
		1	38	16.22	16.18	15.77	17
		1	74	16.27	15.93	16.34	17
		36	0	16.11	15.7	15.75	17
		36	18	16.05	15.88	15.55	17
		36	39	16.27	15.84	15.54	17
		75	0	16.33	15.8	15.76	17

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LTE Band 26 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	20.07	19.87	19.96	21
		1	2	20.22	20.23	18.88	21
		1	5	20.06	19.94	19.8	21
		3	0	20	19.64	19.6	21
		3	2	19.89	19.7	19.93	21
		3	3	20.03	19.75	19.81	21
	16QAM	6	0	19.99	19.78	19.52	21
		1	0	20.28	20.26	19.98	21
		1	2	20.05	19.88	19.71	21
		1	5	20.16	20.24	20.08	21
		3	0	20.25	19.85	19.59	21
		3	2	20.16	19.95	19.41	21
	64QAM	3	3	19.86	19.82	19.71	21
		6	0	19.94	19.83	19.83	21
		1	0	20.09	19.91	19.42	21
		1	2	20.13	20.08	19.73	21
		1	5	20.16	19.9	20.33	21
		3	0	20.04	19.65	19.64	21
3MHz	QPSK	3	2	20	19.81	19.51	21
		3	3	20.23	19.79	19.48	21
		6	0	20.31	19.74	19.72	21
		1	0	19.94	19.8	19.73	21
		1	7	20.46	19.52	19.62	21
		1	14	20.02	19.9	19.68	21
	16QAM	8	0	20.08	20	19.7	21
		8	4	20.03	19.99	19.67	21
		8	7	19.99	19.98	19.6	21
		15	0	19.97	19.83	19.77	21
		1	0	19.6	20.22	20.21	21
		1	7	19.87	20.37	19.01	21
	64QAM	1	14	20.1	20.45	20.28	21
		8	0	20.02	19.92	19.47	21
		8	4	19.96	19.94	19.87	21
		8	7	19.91	20.06	19.78	21
		15	0	19.85	19.87	19.88	21
		1	0	20.05	19.96	19.37	21
	64QAM	1	7	20.15	20.1	19.68	21
		1	14	20.2	19.82	20.24	21
		8	0	20.1	19.7	19.74	21
		8	0	20.1	19.7	19.74	21

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Bandwidth	Modulation	8	4	19.97	19.84	19.51	21	
		8	7	20.19	19.81	19.51	21	
		15	0	20.24	19.78	19.66	21	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26715	26865	27015		
5MHz	QPSK	1	0	20.05	19.9	19.72	21	
		1	13	20.08	20.01	19.78	21	
		1	24	20.08	19.87	19.76	21	
		12	0	20.09	19.98	19.83	21	
		12	6	20.02	19.89	19.76	21	
		12	13	20.02	19.97	19.91	21	
		25	0	19.96	19.95	19.87	21	
	16QAM	1	0	20.27	20.32	20.2	21	
		1	13	20.16	20.3	20.27	21	
		1	24	20.21	20.12	20.03	21	
		12	0	20.07	19.94	19.87	21	
		12	6	20.16	19.9	19.87	21	
		12	13	20.08	19.89	19.92	21	
		25	0	20.03	19.78	19.83	21	
	64QAM	1	0	20.12	19.95	19.41	21	
		1	13	20.1	20.12	19.77	21	
		1	24	20.17	19.92	20.25	21	
		12	0	20.06	19.68	19.64	21	
		12	6	20.01	19.81	19.54	21	
		12	13	20.22	19.79	19.43	21	
		25	0	20.32	19.78	19.68	21	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					26750	26865	26990	
	10MHz	QPSK	1	0	20.11	19.96	19.92	21
1			25	20.11	19.74	20.09	21	
1			49	19.95	19.88	19.83	21	
25			0	20.02	20	19.83	21	
25			13	19.98	20.01	19.76	21	
25			25	19.95	19.96	19.84	21	
50			0	20.03	20	19.93	21	
16QAM		1	0	19.98	20.15	19.9	21	
		1	25	20.53	19.54	19	21	
		1	49	20.18	20.18	20.07	21	
		25	0	20.08	19.79	19.73	21	
		25	13	19.82	19.92	19.83	21	
		25	25	19.88	19.91	19.76	21	
		50	0	19.93	19.93	19.73	21	
64QAM		1	0	20.15	19.89	19.4	21	
		1	25	20.21	20.14	19.73	21	
		1	49	20.18	19.83	20.31	21	
		25	0	20.1	19.67	19.72	21	
		25	13	20.02	19.82	19.53	21	

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Bandwidth	Modulation	25	25	20.18	19.76	19.54	21
		50	0	20.31	19.71	19.7	21
15MHz	QPSK	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
		1	0	19.86	19.8	19.88	
1	38	19.89	19.97	19.91	21		
1	74	19.84	19.89	19.75	21		
36	0	19.97	20.04	19.94	21		
36	18	19.96	20.06	19.76	21		
36	39	19.93	19.93	19.87	21		
75	0	19.95	19.87	19.94	21		
16QAM	1	0	20.37	20.2	20.13	21	
	1	38	20.09	20.13	20.21	21	
	1	74	20.29	19.95	20.18	21	
	36	0	20.01	19.91	19.83	21	
	36	18	19.87	19.95	19.78	21	
	36	39	20.08	19.85	19.74	21	
	75	0	19.95	19.9	19.82	21	
64QAM	1	0	20.05	19.87	19.46	21	
	1	38	20.2	20.09	19.68	21	
	1	74	20.17	19.83	20.32	21	
	36	0	20	19.65	19.69	21	
	36	18	19.94	19.83	19.46	21	
	36	39	20.17	19.73	19.43	21	
	75	0	20.25	19.76	19.69	21	

LTE Band 38 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
				5MHz	QPSK	1	
1	13	16.78	16.85	16.91		17.5	
1	24	16.89	16.85	16.93		17.5	
12	0	16.92	16.97	17.05		17.5	
12	6	16.93	16.87	17		17.5	
12	13	16.96	16.98	17.04		17.5	
25	0	16.95	16.96	16.98		17.5	
16QAM	1	0	16.97	17.04	17.08	17.5	
	1	13	16.94	17	17.04	17.5	
	1	24	16.99	17.06	17.13	17.5	
	12	0	16.87	16.85	16.93	17.5	
	12	6	16.83	16.84	16.86	17.5	
	12	13	16.89	16.88	16.94	17.5	
	25	0	16.89	16.88	16.9	17.5	
64QAM	1	0	16.97	16.84	16.87	17.5	
	1	13	15.96	15.98	15.91	17.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				37800	38000	38200			
10MHz	QPSK	1	24	16.72	16.59	16.86	17.5		
		12	0	16.68	16.57	16.54	17.5		
		12	6	16.51	16.48	16.56	17.5		
		12	13	16.52	16.63	16.45	17.5		
		25	0	16.53	16.64	16.52	17.5		
	16QAM	QPSK	1	0	16.77	16.74	16.87	17.5	
			1	25	16.8	16.81	16.79	17.5	
			1	49	16.84	16.84	16.88	17.5	
			25	0	16.86	16.85	16.94	17.5	
			25	13	16.86	16.81	16.94	17.5	
		16QAM	25	25	16.92	16.88	16.98	17.5	
			50	0	16.87	16.87	16.97	17.5	
			64QAM	1	0	16.88	16.81	17	17.5
				1	25	16.86	17.19	16.9	17.5
				1	49	16.89	16.88	16.95	17.5
	25	0		16.8	16.79	16.83	17.5		
	25	13		16.87	16.84	16.93	17.5		
	15MHz	QPSK	25	25	16.87	16.83	16.85	17.5	
			50	0	16.84	16.77	16.91	17.5	
			64QAM	1	0	17.05	16.85	16.91	17.5
				1	25	15.98	16.03	15.95	17.5
				1	49	16.69	16.61	16.84	17.5
		25		0	16.65	16.63	16.5	17.5	
		25		13	16.51	16.48	16.57	17.5	
		15MHz	QPSK	25	25	16.51	16.62	16.44	17.5
50				0	16.51	16.58	16.48	17.5	
16QAM				1	0	16.87	16.75	16.87	17.5
	1			38	16.86	16.84	16.91	17.5	
	1			74	16.82	16.85	16.86	17.5	
	36		0	16.9	16.86	16.91	17.5		
	36		18	16.9	16.87	16.9	17.5		
16QAM	36		39	16.85	16.9	16.92	17.5		
	75		0	16.84	16.87	16.89	17.5		
	64QAM		1	0	16.98	16.93	17.03	17.5	
		1	38	17.06	16.99	17.03	17.5		
		1	74	17	16.89	16.97	17.5		
36		0	16.84	16.76	16.81	17.5			
36		18	16.82	16.78	16.83	17.5			
64QAM	36	39	16.79	16.79	16.81	17.5			
	75	0	16.74	16.74	16.77	17.5			
	64QAM	1	0	17.01	16.79	16.87	17.5		
		1	38	15.99	15.97	15.96	17.5		
64QAM	1	74	16.65	16.61	16.87	17.5			

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
		36	0	37850	38000	38150		
20MHz	QPSK	36	0	16.63	16.56	16.5	17.5	
		36	18	16.49	16.54	16.55	17.5	
		36	39	16.56	16.61	16.49	17.5	
		75	0	16.55	16.57	16.54	17.5	
	16QAM	QPSK	1	0	16.94	16.89	16.93	17.5
			1	50	16.27	16.29	16.2	17.5
			1	99	16.92	16.99	16.98	17.5
			50	0	16.83	16.88	16.85	17.5
			50	25	16.82	16.78	16.81	17.5
			50	50	16.84	16.93	16.91	17.5
		16QAM	100	0	16.83	16.83	16.85	17.5
			1	0	17.04	17.06	17.13	17.5
			1	50	16.65	16.59	16.99	17.5
			1	99	16.97	16.96	17.08	17.5
			50	0	16.82	16.74	16.8	17.5
			50	25	16.76	16.73	16.77	17.5
	64QAM	50	50	16.76	16.75	16.86	17.5	
		100	0	16.77	16.79	16.78	17.5	
		1	0	17.01	16.77	16.91	17.5	
		1	50	15.99	15.96	15.95	17.5	
		1	99	16.68	16.6	16.77	17.5	
		50	0	16.65	16.63	16.47	17.5	
		50	25	16.52	16.49	16.57	17.5	
		50	50	16.53	16.59	16.46	17.5	
			100	0	16.59	16.63	16.48	17.5

LTE Band 38 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.92	15.96	16.1	16.5
		1	13	15.96	15.98	16.01	16.5
		1	24	15.91	15.96	16.02	16.5
		12	0	16.02	16.07	16.13	16.5
		12	6	15.97	15.99	16	16.5
		12	13	16.05	16.07	16.11	16.5
	16QAM	25	0	16.05	16.05	16.08	16.5
		1	0	16.05	16.24	16.3	16.5
		1	13	16.07	16.12	16.28	16.5
		1	24	16.07	16.22	16.29	16.5
		12	0	15.96	15.97	16.03	16.5
		12	6	15.95	15.94	15.98	16.5
		12	13	15.97	15.93	16.03	16.5
		25	0	15.92	15.95	15.99	16.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	64QAM	1	0	16.08	16.02	16.08	16.5	
		1	13	15.09	15.11	15.02	16.5	
		1	24	15.81	15.82	15.95	16.5	
		12	0	15.81	15.82	15.64	16.5	
		12	6	15.7	15.69	15.71	16.5	
		12	13	15.69	15.66	15.62	16.5	
		25	0	15.7	15.69	15.68	16.5	
	10MHz	QPSK	1	0	15.91	15.93	16.06	16.5
			1	25	16.09	15.93	16.15	16.5
			1	49	15.95	15.95	16.01	16.5
			25	0	16.04	16.06	16.08	16.5
			25	13	16	16.03	16.09	16.5
			25	25	16.06	15.99	16.11	16.5
			50	0	15.99	15.99	16.1	16.5
		16QAM	1	0	16.24	16.23	16.3	16.5
			1	25	16.16	16.14	16.35	16.5
			1	49	16.27	16.22	16.27	16.5
			25	0	15.91	15.94	16	16.5
			25	13	15.94	15.91	16.05	16.5
			25	25	15.96	15.91	16.03	16.5
			50	0	15.94	15.94	16.03	16.5
64QAM		1	0	16.17	16.07	16.14	16.5	
		1	25	15.12	15.19	15.07	16.5	
		1	49	15.84	15.85	15.9	16.5	
		25	0	15.8	15.84	15.66	16.5	
		25	13	15.72	15.7	15.68	16.5	
		25	25	15.68	15.69	15.66	16.5	
		50	0	15.75	15.69	15.71	16.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37825	38000	38175		
15MHz	QPSK	1	0	15.95	15.96	15.95	16.5	
		1	38	16.05	16.02	16.01	16.5	
		1	74	16.03	16	16.01	16.5	
		36	0	16.02	16.04	16.12	16.5	
		36	18	16.02	16.03	16.02	16.5	
		36	39	15.99	16.06	16.09	16.5	
		75	0	16	16.07	16	16.5	
	16QAM	1	0	16.2	16.1	16.16	16.5	
		1	38	16.19	16.2	16.22	16.5	
		1	74	16.17	16.13	16.28	16.5	
		36	0	15.94	15.97	16.03	16.5	
		36	18	15.91	15.96	15.96	16.5	
		36	39	15.96	15.97	16	16.5	
		75	0	15.94	15.94	15.93	16.5	
	64QAM	1	0	16.09	16.03	16.12	16.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				37850	38000	38150			
20MHz	QPSK	1	38	15.08	15.13	15.06	16.5		
		1	74	15.83	15.84	15.9	16.5		
		36	0	15.78	15.77	15.64	16.5		
		36	18	15.71	15.74	15.67	16.5		
		36	39	15.75	15.66	15.66	16.5		
		75	0	15.68	15.76	15.74	16.5		
	16QAM	QPSK	1	0	16.02	16.03	16.05	16.5	
			1	50	15.96	15.86	15.95	16.5	
			1	99	16.02	16.15	16.1	16.5	
			50	0	15.98	15.99	16.08	16.5	
			50	25	15.98	15.96	16.05	16.5	
			50	50	15.99	16.14	16.1	16.5	
		16QAM	16QAM	1	0	16.22	16.21	16.32	16.5
				1	50	16.11	16.26	16.4	16.5
				1	99	16.16	16.18	16.32	16.5
				50	0	15.92	15.91	16.01	16.5
				50	25	15.89	15.86	15.97	16.5
				50	50	15.94	15.94	16.02	16.5
	64QAM	64QAM	100	0	15.94	15.97	16.01	16.5	
			1	0	16.17	15.99	16.05	16.5	
			1	50	15.17	15.13	15.1	16.5	
			1	99	15.83	15.8	15.97	16.5	
			50	0	15.83	15.76	15.68	16.5	
			50	25	15.67	15.7	15.69	16.5	
64QAM	64QAM	50	50	15.69	15.74	15.6	16.5		
		100	0	15.69	15.75	15.68	16.5		

LTE Band 38 Receiver off (body or limbs)				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	18.86	18.88	19.1	19.5	
		1	13	18.92	18.88	19.13	19.5	
		1	24	18.8	19.04	19.07	19.5	
		12	0	19.02	18.93	19.19	19.5	
		12	6	18.74	18.94	19.11	19.5	
		12	13	18.9	19.01	19.14	19.5	
	16QAM	16QAM	25	0	18.92	18.93	19.2	19.5
			1	0	18.75	18.86	18.98	19.5
			1	13	18.87	18.87	19.08	19.5
			1	24	19.05	18.83	19.03	19.5
			12	0	18.85	19.05	19.18	19.5
			12	6	18.83	18.85	18.93	19.5

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		12	13	18.89	18.86	19.14	19.5	
		25	0	18.86	18.91	19.19	19.5	
	64QAM	1	0	19.08	19.08	19.05	19.5	
		1	13	18.1	18.12	18.03	19.5	
		1	24	18.77	18.8	18.88	19.5	
		12	0	18.86	18.74	18.72	19.5	
		12	6	18.63	18.59	18.71	19.5	
		12	13	18.7	18.72	18.6	19.5	
		25	0	18.76	18.72	18.6	19.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	QPSK	1	0	18.76	18.83	18.98	19.5	
		1	25	18.57	19	19.32	19.5	
		1	49	18.94	19.04	19.04	19.5	
		25	0	18.94	18.92	19	19.5	
		25	13	18.96	18.91	19.18	19.5	
		25	25	19.01	18.99	19.08	19.5	
		50	0	18.94	18.99	19.07	19.5	
	16QAM	1	0	18.83	18.71	19.08	19.5	
		1	25	18.78	19.32	18.54	19.5	
		1	49	18.89	18.97	19.21	19.5	
		25	0	18.89	18.84	18.9	19.5	
		25	13	18.78	18.71	18.86	19.5	
		25	25	18.88	18.79	19.01	19.5	
		50	0	18.82	18.81	18.86	19.5	
	64QAM	1	0	19.15	18.97	18.99	19.5	
		1	25	18.06	18.17	18.05	19.5	
		1	49	18.88	18.76	18.98	19.5	
		25	0	18.82	18.81	18.63	19.5	
		25	13	18.61	18.66	18.66	19.5	
		25	25	18.72	18.71	18.58	19.5	
		50	0	18.64	18.76	18.73	19.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					37825	38000	38175	
15MHz	QPSK	1	0	18.75	18.78	18.99	19.5	
		1	38	18.91	19.1	19.03	19.5	
		1	74	18.83	18.93	19.03	19.5	
		36	0	19.03	18.89	19.11	19.5	
		36	18	18.96	19	19.09	19.5	
		36	39	18.96	19.09	19.17	19.5	
		75	0	19	18.95	19.04	19.5	
	16QAM	1	0	18.92	18.81	19.26	19.5	
		1	38	19.06	18.96	18.81	19.5	
		1	74	18.82	19.13	19.06	19.5	
		36	0	18.86	18.9	19.05	19.5	
		36	18	19.01	18.87	18.93	19.5	
		36	39	19.02	19.05	19.11	19.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	64QAM	75	0	18.89	18.85	18.98	19.5	
		1	0	19.1	19.08	19.04	19.5	
		1	38	18.06	18.19	18.01	19.5	
		1	74	18.79	18.86	18.94	19.5	
		36	0	18.86	18.82	18.65	19.5	
		36	18	18.73	18.69	18.61	19.5	
		36	39	18.73	18.7	18.62	19.5	
		75	0	18.69	18.75	18.73	19.5	
	QPSK	1	0	18.89	18.99	18.97	19.5	
		1	50	18.87	19.08	19.01	19.5	
		1	99	19.03	19.02	19.2	19.5	
		50	0	18.91	19.03	19.03	19.5	
		50	25	18.89	18.84	19.11	19.5	
		50	50	19.02	18.96	19.14	19.5	
		100	0	19	18.92	19.1	19.5	
		16QAM	1	0	19.26	19.18	19.24	19.5
			1	50	18.52	19	19.33	19.5
			1	99	19.05	19.09	19.24	19.5
			50	0	18.81	18.82	18.92	19.5
			50	25	18.85	18.92	18.93	19.5
			50	50	18.95	18.91	18.99	19.5
			100	0	18.79	18.89	18.93	19.5
		64QAM	1	0	19.17	19.1	19.14	19.5
			1	50	18.17	18.21	18.12	19.5
			1	99	18.91	18.88	18.99	19.5
			50	0	18.87	18.86	18.73	19.5
			50	25	18.73	18.74	18.75	19.5
			50	50	18.75	18.75	18.7	19.5
100	0		18.78	18.78	18.74	19.5		

LTE Band 38 Receiver off (body or limbs) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.78	15.93	16.02	16.5
		1	13	15.95	15.98	16.06	16.5
		1	24	15.85	15.89	16	16.5
		12	0	15.97	15.98	16.03	16.5
		12	6	15.83	15.9	15.85	16.5
		12	13	15.98	15.96	16.13	16.5
		25	0	16.02	15.82	15.95	16.5
	16QAM	1	0	16.04	16.05	15.97	16.5
		1	13	16	15.96	16.09	16.5
		1	24	16	15.86	16.21	16.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	64QAM	12	0	15.96	15.91	16.13	16.5	
		12	6	15.97	15.85	16.12	16.5	
		12	13	15.85	15.91	16.13	16.5	
		25	0	15.77	15.75	16.05	16.5	
		1	0	16.11	15.94	15.98	16.5	
		1	13	15.13	15.13	15.06	16.5	
		1	24	15.82	15.71	15.87	16.5	
		12	0	15.8	15.65	15.58	16.5	
		12	6	15.59	15.63	15.62	16.5	
	12	13	15.63	15.68	15.54	16.5		
	25	0	15.65	15.64	15.63	16.5		
	10MHz	QPSK	1	0	15.81	15.84	16.02	16.5
			1	25	16.11	15.78	16.14	16.5
			1	49	15.91	15.9	15.97	16.5
			25	0	15.79	15.94	16	16.5
			25	13	15.88	15.88	16.11	16.5
			25	25	15.98	15.91	16.12	16.5
			50	0	15.89	15.86	16.1	16.5
16QAM		1	0	15.82	15.69	16.07	16.5	
		1	25	15.65	16.17	16.38	16.5	
		1	49	15.86	15.91	15.94	16.5	
		25	0	15.7	15.78	15.94	16.5	
		25	13	15.66	15.68	16.07	16.5	
		25	25	15.96	15.93	15.94	16.5	
		50	0	15.85	15.92	15.94	16.5	
64QAM		1	0	16.14	15.9	16.01	16.5	
		1	25	15.12	15.06	15.03	16.5	
		1	49	15.83	15.79	15.91	16.5	
		25	0	15.78	15.68	15.65	16.5	
	25	13	15.57	15.62	15.66	16.5		
	25	25	15.59	15.69	15.53	16.5		
	50	0	15.6	15.66	15.6	16.5		
15MHz	QPSK	1	0	15.84	15.77	15.9	16.5	
		1	38	15.89	15.96	16	16.5	
		1	74	15.84	16.01	16.09	16.5	
		36	0	15.9	15.82	16.11	16.5	
		36	18	16.05	15.87	16.11	16.5	
		36	39	15.97	16.02	16.07	16.5	
		75	0	15.9	15.89	15.93	16.5	
	16QAM	1	0	15.75	15.97	15.86	16.5	
		1	38	15.72	16	16.23	16.5	
		1	74	15.78	16.06	16	16.5	
		36	0	15.79	15.8	15.96	16.5	
		36	0	15.79	15.8	15.96	16.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	64QAM	36	18	15.83	15.99	15.99	16.5	
		36	39	15.78	15.94	15.98	16.5	
		75	0	15.78	15.86	15.96	16.5	
		1	0	16.16	15.89	15.95	16.5	
		1	38	15.07	15.05	15.05	16.5	
		1	74	15.82	15.77	15.96	16.5	
		36	0	15.74	15.75	15.62	16.5	
		36	18	15.57	15.69	15.63	16.5	
		36	39	15.63	15.69	15.51	16.5	
	75	0	15.58	15.66	15.65	16.5		
	20MHz	QPSK	1	0	16.04	15.91	16.07	16.5
			1	50	15.75	16.28	16.08	16.5
			1	99	16.05	16.14	16.29	16.5
			50	0	15.93	15.94	16.07	16.5
			50	25	15.9	15.85	16.09	16.5
			50	50	15.95	15.97	16.13	16.5
			100	0	15.91	15.92	16.1	16.5
		16QAM	1	0	15.93	15.86	15.93	16.5
			1	50	15.41	15.78	15.99	16.5
			1	99	15.89	16.24	15.75	16.5
			50	0	15.87	15.88	15.99	16.5
			50	25	15.84	15.94	16.01	16.5
			50	50	15.88	15.85	16.06	16.5
			100	0	15.81	15.96	15.99	16.5
		64QAM	1	0	16.16	15.93	15.95	16.5
			1	50	15.17	15.08	15.03	16.5
			1	99	15.79	15.77	15.88	16.5
			50	0	15.74	15.71	15.58	16.5
50			25	15.67	15.65	15.63	16.5	
50			50	15.66	15.74	15.49	16.5	
100			0	15.63	15.73	15.63	16.5	

LTE Band 38 Receiver off (body or limbs) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.88	13.79	14.07	14.5
		1	13	13.79	13.82	14.01	14.5
		1	24	13.86	13.82	14.05	14.5
		12	0	13.99	13.97	14.09	14.5
		12	6	13.96	13.73	14.05	14.5
		12	13	13.89	13.89	14.06	14.5
		25	0	13.91	13.94	13.99	14.5
	16QAM	1	0	13.55	14.1	14.13	14.5

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		1	13	13.82	14.03	14.07	14.5	
		1	24	13.86	13.98	14.06	14.5	
		12	0	13.93	13.85	14.07	14.5	
		12	6	13.75	13.88	14.03	14.5	
		12	13	13.83	13.91	14.14	14.5	
		25	0	13.71	13.72	13.92	14.5	
	64QAM	1	0	14.12	13.86	13.9	14.5	
		1	13	13.13	13.03	12.93	14.5	
		1	24	13.73	13.75	13.81	14.5	
		12	0	13.71	13.66	13.52	14.5	
		12	6	13.66	13.63	13.56	14.5	
		12	13	13.57	13.74	13.43	14.5	
		25	0	13.63	13.65	13.6	14.5	
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up	
10MHz	QPSK	1	0	14.06	13.83	14.11	14.5	
		1	25	12.74	14.09	13.9	14.5	
		1	49	13.87	14.01	14.05	14.5	
		25	0	13.88	13.89	14.04	14.5	
		25	13	13.93	13.76	14.18	14.5	
		25	25	14.02	13.9	14.07	14.5	
	16QAM	50	0	13.93	13.91	14.05	14.5	
		1	0	13.95	13.49	14.02	14.5	
		1	25	13.66	13.93	14.12	14.5	
		1	49	14.04	14.04	14.18	14.5	
		25	0	13.82	13.8	13.94	14.5	
		25	13	13.9	13.88	13.92	14.5	
	64QAM	25	25	13.86	13.9	14.03	14.5	
		50	0	13.93	13.78	14.01	14.5	
		1	0	14.06	13.88	13.86	14.5	
		1	25	13.13	13.06	12.99	14.5	
		1	49	13.73	13.72	13.84	14.5	
		25	0	13.63	13.64	13.5	14.5	
			25	13	13.58	13.62	13.52	14.5
			25	25	13.62	13.72	13.45	14.5
			50	0	13.59	13.63	13.56	14.5
	Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
	15MHz	QPSK	1	0	13.86	13.77	13.97	14.5
			1	38	13.98	13.91	14.02	14.5
1			74	13.88	13.97	14.07	14.5	
36			0	13.9	13.86	13.93	14.5	
36			18	13.94	13.9	14.1	14.5	
36			39	13.99	13.92	14.05	14.5	
75			0	13.9	13.92	14.07	14.5	
16QAM		1	0	13.47	13.86	13.66	14.5	
		1	38	13.96	13.86	14.06	14.5	

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		1	74	13.77	13.53	13.95	14.5
		36	0	13.92	13.8	14.1	14.5
		36	18	13.86	13.81	14.01	14.5
		36	39	13.92	13.87	14.14	14.5
		75	0	13.83	13.8	13.97	14.5
	64QAM	1	0	14.08	13.9	13.89	14.5
		1	38	13.13	13.05	13.02	14.5
		1	74	13.73	13.76	13.84	14.5
		36	0	13.67	13.67	13.49	14.5
		36	18	13.64	13.61	13.53	14.5
	36	39	13.63	13.7	13.43	14.5	
	75	0	13.6	13.73	13.6	14.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.78	13.98	14.06	14.5
		1	50	13.53	14.17	14.06	14.5
		1	99	13.94	14.18	14.19	14.5
		50	0	13.88	13.89	14.07	14.5
		50	25	13.86	13.91	13.98	14.5
		50	50	13.9	13.95	14.12	14.5
		100	0	13.92	13.92	13.99	14.5
	16QAM	1	0	13.89	13.78	13.93	14.5
		1	50	13.5	13.32	13.83	14.5
		1	99	13.9	14.21	14.19	14.5
		50	0	13.82	13.84	13.96	14.5
		50	25	13.77	13.78	13.91	14.5
		50	50	13.95	13.81	14.02	14.5
		100	0	13.82	13.81	14.03	14.5
	64QAM	1	0	14.06	13.87	13.92	14.5
		1	50	13.07	12.98	12.96	14.5
		1	99	13.73	13.75	13.8	14.5
		50	0	13.68	13.6	13.5	14.5
		50	25	13.62	13.55	13.59	14.5
		50	50	13.59	13.69	13.48	14.5
		100	0	13.63	13.72	13.62	14.5

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LTE Band 38 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	13.53	13.49	13.56	14.5	
		1	13	13.54	13.43	13.64	14.5	
		1	24	13.59	13.48	13.68	14.5	
		12	0	13.43	13.51	13.61	14.5	
		12	6	13.44	13.45	13.62	14.5	
		12	13	13.45	13.5	13.58	14.5	
		25	0	13.49	13.55	13.64	14.5	
	16QAM	1	0	14.05	14.01	14.03	14.5	
		1	13	14.13	14.02	14.2	14.5	
		1	24	14.09	13.99	14.17	14.5	
		12	0	13.45	13.51	13.71	14.5	
		12	6	13.56	13.51	13.68	14.5	
		12	13	13.47	13.49	13.67	14.5	
		25	0	13.39	13.42	13.62	14.5	
	64QAM	1	0	13.69	13.49	13.47	14.5	
		1	13	12.71	12.6	12.53	14.5	
		1	24	13.36	13.4	13.43	14.5	
		12	0	13.28	13.25	13.13	14.5	
		12	6	13.22	13.19	13.16	14.5	
		12	13	13.14	13.3	13.03	14.5	
		25	0	13.19	13.22	13.18	14.5	
		25	0	13.19	13.22	13.18	14.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	13.51	13.41	13.54	14.5
1			25	13.13	13.1	13.22	14.5	
1			49	13.57	13.46	13.68	14.5	
25			0	13.5	13.45	13.59	14.5	
25			13	13.55	13.4	13.6	14.5	
25			25	13.61	13.5	13.71	14.5	
50			0	13.53	13.43	13.61	14.5	
16QAM		1	0	14.04	14	14.15	14.5	
		1	25	13.5	13.49	13.66	14.5	
		1	49	14.09	14.03	14.16	14.5	
		25	0	13.4	13.51	13.58	14.5	
		25	13	13.48	13.5	13.7	14.5	
		25	25	13.51	13.5	13.64	14.5	
		50	0	13.35	13.4	13.51	14.5	
		50	0	13.35	13.4	13.51	14.5	
64QAM		1	0	13.68	13.45	13.5	14.5	
		1	25	12.71	12.64	12.56	14.5	
		1	49	13.35	13.35	13.42	14.5	
		25	0	13.27	13.27	13.09	14.5	
		25	0	13.27	13.27	13.09	14.5	

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Bandwidth	Modulation	25	13	13.3	13.19	13.15	14.5	
		25	25	13.15	13.38	13.02	14.5	
Bandwidth	Modulation	50	0	13.25	13.29	13.2	14.5	
		RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up	
15MHz	QPSK	1	0	13.48	13.45	13.56	14.5	
		1	38	13.54	13.48	13.63	14.5	
		1	74	13.41	13.43	13.63	14.5	
		36	0	13.52	13.51	13.65	14.5	
		36	18	13.45	13.47	13.68	14.5	
		36	39	13.45	13.48	13.76	14.5	
		75	0	13.52	13.48	13.64	14.5	
	16QAM	1	0	14.07	13.97	14.07	14.5	
		1	38	14.12	13.99	14.2	14.5	
		1	74	13.94	13.92	14.19	14.5	
		36	0	13.5	13.46	13.6	14.5	
		36	18	13.44	13.44	13.49	14.5	
		36	39	13.51	13.49	13.71	14.5	
		75	0	13.33	13.39	13.55	14.5	
	64QAM	1	0	13.76	13.44	13.5	14.5	
		1	38	12.69	12.62	12.54	14.5	
		1	74	13.32	13.34	13.41	14.5	
		36	0	13.33	13.27	13.1	14.5	
		36	18	13.29	13.27	13.13	14.5	
		36	39	13.22	13.3	13.05	14.5	
		75	0	13.2	13.21	13.18	14.5	
	Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
			1	0	13.61	13.49	13.53	14.5
	20MHz	QPSK	1	50	12.98	12.9	13.04	14.5
1			99	13.57	13.61	13.71	14.5	
50			0	13.44	13.46	13.54	14.5	
50			25	13.41	13.4	13.58	14.5	
50			50	13.53	13.51	13.74	14.5	
100			0	13.48	13.45	13.59	14.5	
16QAM			1	0	14.28	14.05	14.06	14.5
		1	50	13.42	13.36	13.46	14.5	
		1	99	14.11	14.05	14.22	14.5	
		50	0	13.37	13.39	13.45	14.5	
		50	25	13.36	13.38	13.48	14.5	
		50	50	13.45	13.43	13.65	14.5	
		100	0	13.45	13.37	13.53	14.5	
64QAM		1	0	13.74	13.49	13.54	14.5	
		1	50	12.76	12.62	12.5	14.5	
		1	99	13.37	13.38	13.38	14.5	
		50	0	13.33	13.27	13.11	14.5	
		50	25	13.28	13.2	13.19	14.5	

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		50	50	13.21	13.32	13.05	14.5
		100	0	13.27	13.3	13.22	14.5

LTE Band 38 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	12.44	12.44	12.67	13.5
		1	13	12.52	12.51	12.6	13.5
		1	24	12.48	12.43	12.65	13.5
		12	0	12.43	12.62	12.67	13.5
		12	6	12.5	12.54	12.68	13.5
		12	13	12.45	12.61	12.65	13.5
		25	0	12.48	12.6	12.71	13.5
	16QAM	1	0	13.02	12.98	13.05	13.5
		1	13	12.96	12.93	13.09	13.5
		1	24	12.93	12.95	12.8	13.5
		12	0	12.58	12.62	12.66	13.5
		12	6	12.54	12.63	12.75	13.5
		12	13	12.47	12.61	12.77	13.5
		25	0	12.41	12.4	12.5	13.5
	64QAM	1	0	12.67	12.44	12.48	13.5
		1	13	11.7	11.59	11.48	13.5
		1	24	12.3	12.38	12.31	13.5
		12	0	12.25	12.25	12.1	13.5
		12	6	12.18	12.13	12.13	13.5
		12	13	12.2	12.22	11.96	13.5
		25	0	12.21	12.19	12.21	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	12.41	12.49	12.66	13.5
		1	25	12.31	12.3	12.5	13.5
		1	49	12.52	12.52	12.66	13.5
		25	0	12.37	12.56	12.66	13.5
		25	13	12.41	12.56	12.67	13.5
		25	25	12.59	12.56	12.68	13.5
		50	0	12.39	12.54	12.69	13.5
	16QAM	1	0	12.98	12.92	13	13.5
		1	25	12.83	12.88	13.06	13.5
		1	49	12.95	12.91	13.06	13.5
		25	0	12.33	12.49	12.57	13.5
		25	13	12.39	12.38	12.59	13.5
		25	25	12.41	12.36	12.6	13.5
		50	0	12.39	12.53	12.65	13.5
	64QAM	1	0	12.63	12.49	12.42	13.5
		1	25	11.66	11.58	11.5	13.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
		37825	38000	38175				
15MHz	QPSK	1	49	12.34	12.27	12.34	13.5	
		25	0	12.31	12.16	12.06	13.5	
		25	13	12.18	12.19	12.08	13.5	
		25	25	12.18	12.21	11.98	13.5	
		50	0	12.23	12.19	12.16	13.5	
		1	0	12.42	12.34	12.54	13.5	
		1	38	12.55	12.53	12.6	13.5	
	16QAM	1	74	12.46	12.48	12.62	13.5	
		36	0	12.53	12.45	12.61	13.5	
		36	18	12.47	12.52	12.65	13.5	
		36	39	12.46	12.57	12.73	13.5	
		75	0	12.4	12.57	12.61	13.5	
		1	0	12.89	12.78	12.82	13.5	
		1	38	12.96	12.96	13.01	13.5	
	64QAM	1	74	12.87	12.88	13.05	13.5	
		36	0	12.42	12.47	12.59	13.5	
		36	18	12.37	12.4	12.52	13.5	
		36	39	12.35	12.45	12.6	13.5	
		75	0	12.34	12.46	12.51	13.5	
		1	0	12.64	12.46	12.43	13.5	
		1	38	11.7	11.57	11.39	13.5	
	20MHz	QPSK	1	74	12.37	12.34	12.28	13.5
			36	0	12.24	12.24	12	13.5
			36	18	12.25	12.12	12.16	13.5
			36	39	12.12	12.3	11.94	13.5
75			0	12.25	12.22	12.12	13.5	
1			0	12.58	12.57	12.6	13.5	
1			50	12.51	12.45	12.62	13.5	
16QAM		1	99	12.67	12.68	12.78	13.5	
		50	0	12.51	12.55	12.57	13.5	
		50	25	12.49	12.53	12.59	13.5	
		50	50	12.5	12.55	12.76	13.5	
		100	0	12.62	12.61	12.73	13.5	
		1	0	13.04	13.03	12.97	13.5	
		1	50	12.57	12.6	12.73	13.5	
64QAM		1	99	13.02	13.04	13.16	13.5	
	50	0	12.49	12.53	12.52	13.5		
	50	25	12.47	12.5	12.57	13.5		
	50	50	12.48	12.51	12.72	13.5		
	100	0	12.42	12.54	12.65	13.5		
64QAM	1	0	12.73	12.48	12.53	13.5		
	1	50	11.65	11.53	11.44	13.5		
	1	99	12.34	12.33	12.26	13.5		

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		50	0	12.27	12.15	12.04	13.5
		50	25	12.22	12.11	12.11	13.5
		50	50	12.16	12.3	11.95	13.5
		100	0	12.2	12.28	12.17	13.5

LTE Band 38 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	11.4	11.46	11.58	12.5	
		1	13	11.5	11.53	11.62	12.5	
		1	24	11.44	11.44	11.66	12.5	
		12	0	11.53	11.5	11.7	12.5	
		12	6	11.53	11.56	11.75	12.5	
		12	13	11.53	11.62	11.66	12.5	
		25	0	11.43	11.47	11.61	12.5	
	16QAM	1	0	12.01	12.03	12.1	12.5	
		1	13	11.96	11.97	12.2	12.5	
		1	24	12.06	12	12.1	12.5	
		12	0	11.64	11.6	11.78	12.5	
		12	6	11.58	11.61	11.77	12.5	
		12	13	11.66	11.71	11.88	12.5	
		25	0	11.43	11.45	11.57	12.5	
	64QAM	1	0	11.57	11.4	11.47	12.5	
		1	13	10.66	10.49	10.44	12.5	
		1	24	11.27	11.37	11.28	12.5	
		12	0	11.24	11.17	11.08	12.5	
		12	6	11.09	11.12	11.07	12.5	
		12	13	11.18	11.21	10.94	12.5	
		25	0	11.16	11.14	11.18	12.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK			37800	38000	38200	
			1	0	11.44	11.45	11.68	12.5
1			25	11.37	11.37	11.55	12.5	
1			49	11.42	11.46	11.71	12.5	
25			0	11.48	11.49	11.64	12.5	
25			13	11.43	11.49	11.63	12.5	
25			25	11.49	11.49	11.63	12.5	
16QAM		50	0	11.42	11.48	11.63	12.5	
		1	0	12.04	12.01	12.07	12.5	
		1	25	12.1	12.06	12.27	12.5	
		1	49	12.02	12.02	12.14	12.5	
		25	0	11.5	11.59	11.61	12.5	
		25	13	11.45	11.51	11.63	12.5	
		25	25	11.47	11.46	11.6	12.5	
50		0	11.39	11.43	11.58	12.5		

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37825	38000	38175		
15MHz	64QAM	1	0	11.65	11.37	11.39	12.5	
		1	25	10.66	10.55	10.4	12.5	
		1	49	11.21	11.33	11.21	12.5	
		25	0	11.23	11.17	11.02	12.5	
		25	13	11.16	11.12	11.09	12.5	
		25	25	11.1	11.18	10.87	12.5	
		50	0	11.12	11.15	11.11	12.5	
	15MHz	QPSK	1	0	11.44	11.39	11.58	12.5
			1	38	11.53	11.6	11.71	12.5
			1	74	11.47	11.55	11.59	12.5
			36	0	11.5	11.45	11.69	12.5
			36	18	11.45	11.52	11.57	12.5
			36	39	11.58	11.57	11.76	12.5
			75	0	11.52	11.56	11.65	12.5
		16QAM	1	0	12.04	11.96	11.98	12.5
			1	38	11.9	12.01	12.09	12.5
			1	74	12.04	11.95	12.14	12.5
			36	0	11.42	11.37	11.59	12.5
			36	18	11.37	11.43	11.47	12.5
			36	39	11.37	11.47	11.53	12.5
			75	0	11.46	11.48	11.47	12.5
64QAM		1	0	11.63	11.41	11.42	12.5	
		1	38	10.6	10.59	10.44	12.5	
		1	74	11.25	11.3	11.29	12.5	
		36	0	11.18	11.21	11.05	12.5	
		36	18	11.09	11.05	11.11	12.5	
		36	39	11.16	11.16	10.9	12.5	
		75	0	11.11	11.18	11.11	12.5	
20MHz	QPSK	1	0	11.54	11.56	11.73	12.5	
		1	50	11.57	11.22	11.55	12.5	
		1	99	11.77	11.81	11.85	12.5	
		50	0	11.5	11.6	11.6	12.5	
		50	25	11.45	11.57	11.62	12.5	
		50	50	11.52	11.6	11.76	12.5	
		100	0	11.64	11.65	11.63	12.5	
	16QAM	1	0	11.58	12.06	11.78	12.5	
		1	50	11.44	10.94	11.92	12.5	
		1	99	11.58	11.73	12.22	12.5	
		50	0	11.58	11.49	11.67	12.5	
		50	25	11.4	11.47	11.68	12.5	
		50	50	11.44	11.51	11.65	12.5	
		100	0	11.55	11.54	11.65	12.5	
	64QAM	1	0	11.63	11.4	11.44	12.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					37850	38000	38150	

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		1	50	10.66	10.55	10.41	12.5
		1	99	11.28	11.34	11.31	12.5
		50	0	11.21	11.23	11.07	12.5
		50	25	11.16	11.04	11.04	12.5
		50	50	11.12	11.13	10.9	12.5
		100	0	11.2	11.12	11.14	12.5

LTE Band 38 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	10.43	10.51	10.56	11.5	
		1	13	10.53	10.44	10.6	11.5	
		1	24	10.35	10.38	10.63	11.5	
		12	0	10.43	10.56	10.69	11.5	
		12	6	10.55	10.54	10.68	11.5	
		12	13	10.45	10.55	10.64	11.5	
		25	0	10.47	10.39	10.57	11.5	
	16QAM	1	0	10.9	10.95	11.1	11.5	
		1	13	11	11.01	11.16	11.5	
		1	24	10.95	10.93	11.06	11.5	
		12	0	10.67	10.64	10.77	11.5	
		12	6	10.5	10.53	10.72	11.5	
		12	13	10.55	10.64	10.73	11.5	
		25	0	10.46	10.49	10.67	11.5	
	64QAM	1	0	10.58	10.29	10.44	11.5	
		1	13	9.86	9.93	9.98	11.5	
		1	24	10.23	10.24	10.25	11.5	
		12	0	10.15	10.15	10.07	11.5	
		12	6	10.07	9.99	9.98	11.5	
		12	13	10.1	10.07	9.82	11.5	
		25	0	10.1	10.07	10.08	11.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK			37800	38000	38200	
			1	0	10.42	10.43	10.58	11.5
1			25	10.38	10.36	10.5	11.5	
1			49	10.41	10.46	10.59	11.5	
25			0	10.35	10.47	10.53	11.5	
25			13	10.39	10.45	10.65	11.5	
25			25	10.46	10.48	10.64	11.5	
16QAM		50	0	10.38	10.47	10.53	11.5	
		1	0	10.88	10.86	10.98	11.5	
		1	25	11.06	11.11	11.17	11.5	
		1	49	10.98	11.01	11.14	11.5	
		25	0	10.46	10.43	10.5	11.5	
		25	13	10.41	10.44	10.59	11.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
		37825	38000	38175				
15MHz	64QAM	25	25	10.44	10.44	10.61	11.5	
		50	0	10.36	10.42	10.62	11.5	
		1	0	10.59	10.33	10.36	11.5	
		1	25	9.59	9.5	9.37	11.5	
		1	49	10.17	10.32	10.21	11.5	
		25	0	10.14	10.15	10.04	11.5	
		25	13	10.1	9.95	9.94	11.5	
		25	25	10.09	10.13	9.82	11.5	
	50	0	10.19	10.03	10.11	11.5		
	15MHz	QPSK	1	0	10.34	10.3	10.52	11.5
			1	38	10.53	10.5	10.63	11.5
			1	74	10.39	10.48	10.66	11.5
			36	0	10.52	10.49	10.63	11.5
			36	18	10.48	10.43	10.62	11.5
			36	39	10.49	10.5	10.7	11.5
			75	0	10.42	10.48	10.59	11.5
			16QAM	1	0	10.93	10.85	10.92
		1		38	10.98	11.04	11.03	11.5
		1		74	10.95	10.89	11.07	11.5
		36		0	10.32	10.4	10.42	11.5
		36		18	10.28	10.33	10.4	11.5
		36		39	10.41	10.4	10.61	11.5
		75		0	10.37	10.41	10.41	11.5
		64QAM		1	0	10.52	10.32	10.43
			1	38	9.58	9.49	9.39	11.5
			1	74	10.19	10.33	10.23	11.5
			36	0	10.2	10.14	10	11.5
			36	18	10.13	10.02	10.04	11.5
36			39	10.1	10.03	9.87	11.5	
75			0	10.13	10.04	10.07	11.5	
20MHz			QPSK	1	0	10.46	10.48	10.55
		1		50	10.39	10.37	10.48	11.5
		1		99	10.5	10.53	10.78	11.5
		50		0	10.52	10.46	10.6	11.5
		50		25	10.38	10.44	10.61	11.5
		50		50	10.42	10.6	10.63	11.5
		100		0	10.52	10.53	10.62	11.5
	16QAM	1		0	11.05	11.05	11.08	11.5
		1	50	11.05	11.04	11.2	11.5	
		1	99	11.07	11.07	11.21	11.5	
		50	0	10.35	10.41	10.55	11.5	
		50	25	10.34	10.4	10.56	11.5	
		50	50	10.38	10.55	10.6	11.5	

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64QAM	100	0	10.45	10.45	10.54	11.5
	1	0	10.6	10.4	10.41	11.5
	1	50	9.59	9.53	9.41	11.5
	1	99	10.25	10.3	10.3	11.5
	50	0	10.15	10.19	9.96	11.5
	50	25	10.13	9.98	9.94	11.5
	50	50	10.09	10.05	9.85	11.5
	100	0	10.11	10.09	10.1	11.5

LTE Band 38 Receiver on(Left head) + BT				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	14.57	14.51	14.61	16	
		1	13	14.53	14.62	14.83	16	
		1	24	14.48	14.52	14.79	16	
		12	0	14.53	14.56	14.76	16	
		12	6	14.64	14.54	14.62	16	
		12	13	14.55	14.54	14.74	16	
		25	0	14.45	14.52	14.72	16	
	16QAM	1	0	14.47	14.48	14.75	16	
		1	13	14.61	14.54	14.59	16	
		1	24	14.57	14.47	14.95	16	
		12	0	14.48	14.56	14.79	16	
		12	6	14.49	14.58	14.69	16	
		12	13	14.48	14.5	14.67	16	
		25	0	14.55	14.48	14.69	16	
	64QAM	1	0	14.58	14.3	14.35	16	
		1	13	13.48	13.45	13.39	16	
		1	24	14.13	14.25	14.26	16	
		12	0	14.05	14.08	13.94	16	
		12	6	14.03	13.93	13.85	16	
		12	13	14.08	13.98	13.82	16	
		25	0	14.08	14.03	14.04	16	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	14.45	14.52	14.6	16
			1	25	14.11	14.04	14.14	16
1			49	14.55	14.57	14.54	16	
25			0	14.49	14.5	14.59	16	
25			13	14.52	14.51	14.71	16	
25			25	14.58	14.62	14.7	16	
50			0	14.52	14.61	14.64	16	
16QAM		1	0	14.37	14.47	14.71	16	
		1	25	14.53	14.35	14.79	16	
		1	49	14.47	14.47	14.85	16	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37825	38000	38175		
15MHz	64QAM	25	0	14.45	14.48	14.55	16	
		25	13	14.33	14.47	14.57	16	
		25	25	14.42	14.46	14.72	16	
		50	0	14.49	14.46	14.61	16	
		1	0	14.5	14.4	14.39	16	
		1	25	13.51	13.5	13.33	16	
		1	49	14.21	14.23	14.2	16	
		25	0	14.11	14.09	13.91	16	
		25	13	14.12	13.87	13.91	16	
	25	25	14.05	13.96	13.75	16		
	50	0	14.05	14.08	14.09	16		
	15MHz	QPSK	1	0	14.41	14.48	14.55	16
			1	38	14.55	14.58	14.64	16
			1	74	14.43	14.52	14.56	16
			36	0	14.53	14.55	14.62	16
			36	18	14.52	14.5	14.67	16
			36	39	14.62	14.67	14.68	16
			75	0	14.58	14.54	14.69	16
16QAM		1	0	14.48	14.64	14.57	16	
		1	38	14.65	14.62	14.63	16	
		1	74	14.69	14.69	14.73	16	
		36	0	14.45	14.49	14.55	16	
		36	18	14.45	14.52	14.68	16	
		36	39	14.44	14.6	14.64	16	
		75	0	14.4	14.48	14.52	16	
64QAM		1	0	14.52	14.3	14.32	16	
		1	38	13.48	13.46	13.39	16	
		1	74	14.14	14.19	14.22	16	
		36	0	14.09	14.1	13.85	16	
	36	18	14.03	13.94	13.93	16		
	36	39	14.04	13.99	13.8	16		
	75	0	14.11	14.05	13.99	16		
20MHz	QPSK	1	0	14.61	14.64	14.63	16	
		1	50	14.46	14.04	14.72	16	
		1	99	14.6	14.79	14.84	16	
		50	0	14.57	14.59	14.64	16	
		50	25	14.54	14.57	14.69	16	
		50	50	14.51	14.59	14.72	16	
		100	0	14.57	14.65	14.69	16	
		16QAM	1	0	14.87	14.59	14.51	16
			1	50	14.79	14.53	14.04	16
	1		99	14.71	14.77	14.97	16	
	50		0	14.51	14.55	14.6	16	
	50		0	14.51	14.55	14.6	16	

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64QAM	50	25	14.5	14.5	14.63	16
	50	50	14.45	14.51	14.66	16
	100	0	14.54	14.45	14.64	16
	1	0	14.49	14.3	14.33	16
	1	50	14.28	14.32	14.16	16
	1	99	14.22	14.21	14.23	16
	50	0	14.09	14.17	13.86	16
	50	25	14.07	14.12	14.09	16
	50	50	14	14.03	14.16	16
100	0	14.07	13.98	14.06	16	

LTE Band 38 Receiver on(Right head) + BT				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	13.54	13.38	13.6	15	
		1	13	13.57	13.4	13.71	15	
		1	24	13.47	13.37	13.74	15	
		12	0	13.52	13.51	13.76	15	
		12	6	13.53	13.54	13.7	15	
		12	13	13.55	13.51	13.74	15	
		25	0	13.47	13.51	13.68	15	
	16QAM	1	0	13.65	13.76	13.84	15	
		1	13	13.27	13.85	13.98	15	
		1	24	13.29	13.75	14.02	15	
		12	0	13.52	13.34	13.72	15	
		12	6	13.31	13.19	13.59	15	
		12	13	13.47	13.42	13.69	15	
		25	0	13.49	13.52	13.58	15	
	64QAM	1	0	13.48	13.28	13.29	15	
		1	13	12.38	12.35	12.31	15	
		1	24	13.1	13.2	13.15	15	
		12	0	13.01	13.03	12.85	15	
		12	6	13.02	12.92	12.84	15	
		12	13	12.99	12.91	12.72	15	
		25	0	13.07	13	13.01	15	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	13.51	13.44	13.65	15
1			25	13.53	13.48	13.7	15	
1			49	13.52	13.51	13.57	15	
25			0	13.52	13.55	13.63	15	
25			13	13.55	13.43	13.76	15	
25			25	13.48	13.53	13.73	15	
50			0	13.55	13.52	13.77	15	
16QAM		1	0	13.38	13.62	13.93	15	

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		1	25	13.27	13.38	12.91	15	
		1	49	13.39	13.07	13.83	15	
		25	0	13.39	13.37	13.58	15	
		25	13	13.38	13.4	13.72	15	
		25	25	13.41	13.38	13.58	15	
		50	0	13.39	13.39	13.57	15	
	64QAM	1	0	13.53	13.27	13.28	15	
		1	25	12.39	12.39	12.33	15	
		1	49	13.12	13.17	13.17	15	
		25	0	13	13	12.88	15	
		25	13	12.94	12.88	12.79	15	
		25	25	13.08	12.95	12.77	15	
		50	0	12.98	12.96	12.95	15	
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up	
15MHz	QPSK	1	0	13.43	13.43	13.51	15	
		1	38	13.49	13.49	13.58	15	
		1	74	13.46	13.45	13.67	15	
		36	0	13.49	13.51	13.66	15	
		36	18	13.54	13.51	13.69	15	
		36	39	13.5	13.54	13.77	15	
	16QAM	75	0	13.49	13.54	13.65	15	
		1	0	13.55	13.66	13.64	15	
		1	38	13.75	13.76	13.72	15	
		1	74	13.48	13.59	13.74	15	
		36	0	13.59	13.44	13.74	15	
		36	18	13.57	13.39	13.58	15	
	64QAM	36	39	13.52	13.53	13.72	15	
		75	0	13.42	13.42	13.58	15	
		1	0	13.48	13.28	13.27	15	
		1	38	12.46	12.43	12.37	15	
		1	74	13.06	13.14	13.15	15	
		36	0	12.98	12.99	12.88	15	
	Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
	20MHz	QPSK	1	0	13.55	13.63	13.66	15
			1	50	13.37	13.21	13.92	15
			1	99	13.49	13.79	13.73	15
			50	0	13.44	13.53	13.61	15
			50	25	13.66	13.57	13.66	15
50			50	13.53	13.59	13.84	15	
16QAM		100	0	13.5	13.53	13.67	15	
		1	0	13.82	13.53	13.83	15	
		1	50	13.41	13.79	13.92	15	

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64QAM	1	99	13.83	13.89	14.06	15
	50	0	13.37	13.46	13.53	15
	50	25	13.35	13.43	13.64	15
	50	50	13.46	13.49	13.6	15
	100	0	13.43	13.44	13.59	15
	1	0	13.58	13.28	13.3	15
	1	50	13.47	13.4	13.29	15
	1	99	13.09	13.17	13.24	15
	50	0	13.05	13.05	12.93	15
	50	25	12.98	12.92	12.84	15
	50	50	13.04	13.05	13.09	15
	100	0	13.14	13.11	13.07	15

LTE Band 38 Receiver off (body or limbs) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	16.62	16.56	16.73	18
		1	13	16.41	16.44	16.82	18
		1	24	16.6	16.64	16.75	18
		12	0	16.57	16.7	16.74	18
		12	6	16.4	16.58	16.72	18
		12	13	16.59	16.56	16.84	18
		25	0	16.5	16.54	16.6	18
	16QAM	1	0	16.59	16.61	16.94	18
		1	13	16.64	16.54	16.58	18
		1	24	16.61	16.6	16.91	18
		12	0	16.53	16.57	16.69	18
		12	6	16.33	16.63	16.51	18
		12	13	16.6	16.47	16.81	18
		25	0	16.5	16.47	16.65	18
	64QAM	1	0	16.42	16.24	16.27	18
		1	13	15.37	15.29	15.31	18
		1	24	16.08	16.19	16.1	18
		12	0	15.95	16.01	15.77	18
		12	6	15.98	15.88	15.8	18
		12	13	15.9	15.84	15.63	18
		25	0	16.05	15.94	15.95	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	16.53	16.64	16.74	18
		1	25	16.39	16.36	16.54	18
		1	49	16.7	16.57	16.76	18
		25	0	16.45	16.57	16.68	18
		25	13	16.63	16.58	16.65	18
		25	25	16.56	16.57	16.7	18

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	16QAM	50	0	16.63	16.56	16.68	18
		1	0	16.59	16.74	16.62	18
		1	25	16.25	16.2	16.74	18
		1	49	16.41	16.76	16.61	18
		25	0	16.43	16.53	16.76	18
		25	13	16.4	16.54	16.7	18
		25	25	16.48	16.55	16.67	18
	64QAM	50	0	16.49	16.56	16.63	18
		1	0	16.47	16.21	16.29	18
		1	25	15.33	15.34	15.24	18
		1	49	16.02	16.1	16.1	18
		25	0	15.99	15.97	15.79	18
		25	13	16	15.88	15.78	18
		25	25	15.99	15.89	15.63	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	16.43	16.43	16.5	18
		1	38	16.5	16.65	16.58	18
		1	74	16.43	16.59	16.63	18
		36	0	16.53	16.52	16.69	18
		36	18	16.6	16.55	16.62	18
		36	39	16.59	16.63	16.79	18
		75	0	16.55	16.62	16.68	18
	16QAM	1	0	16.64	16.52	16.49	18
		1	38	16.81	16.46	16.85	18
		1	74	16.49	16.43	16.85	18
		36	0	16.59	16.46	16.64	18
		36	18	16.55	16.58	16.65	18
		36	39	16.55	16.61	16.69	18
		75	0	16.47	16.58	16.56	18
	64QAM	1	0	16.48	16.23	16.28	18
		1	38	15.36	15.3	15.3	18
		1	74	16.08	16.1	16.09	18
		36	0	15.92	16.03	15.76	18
		36	18	15.95	15.89	15.74	18
		36	39	15.96	15.85	15.71	18
		75	0	16.01	15.96	15.93	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	16.57	16.58	16.63	18
		1	50	16.23	16.23	16.3	18
		1	99	16.52	16.75	16.88	18
		50	0	16.56	16.53	16.65	18
		50	25	16.58	16.63	16.56	18
		50	50	16.62	16.63	16.75	18
		100	0	16.58	16.6	16.72	18

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	16QAM	1	0	16.44	16.89	16.76	18
		1	50	15.98	16.5	16.94	18
		1	99	16.62	16.86	16.9	18
		50	0	16.49	16.52	16.59	18
		50	25	16.41	16.62	16.52	18
		50	50	16.58	16.52	16.69	18
		100	0	16.41	16.46	16.61	18
	64QAM	1	0	16.4	16.27	16.27	18
		1	50	15.38	15.35	15.28	18
		1	99	16.02	16.18	16.14	18
		50	0	15.97	16.02	15.78	18
		50	25	15.97	15.92	15.78	18
		50	50	15.98	15.88	15.67	18
		100	0	15.99	15.93	15.93	18

LTE Band 38 Receiver on(Left head) + WiFi.4G Ant1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	13.56	13.55	13.78	14.5	
		1	13	13.47	13.56	13.72	14.5	
		1	24	13.51	13.52	13.61	14.5	
		12	0	13.52	13.53	13.71	14.5	
		12	6	13.62	13.5	13.8	14.5	
		12	13	13.53	13.52	13.81	14.5	
		25	0	13.43	13.39	13.73	14.5	
	16QAM	1	0	13.81	13.8	13.89	14.5	
		1	13	13.65	13.27	13.84	14.5	
		1	24	13.62	13.35	13.92	14.5	
		12	0	13.46	13.4	13.56	14.5	
		12	6	13.46	13.56	13.6	14.5	
		12	13	13.43	13.45	13.72	14.5	
		25	0	13.37	13.32	13.49	14.5	
	64QAM	1	0	13.32	13.22	13.15	14.5	
		1	13	12.37	12.27	12.18	14.5	
		1	24	12.9	13.16	13.04	14.5	
		12	0	12.97	12.94	12.69	14.5	
		12	6	12.95	12.91	12.75	14.5	
		12	13	12.95	12.84	12.61	14.5	
		25	0	12.92	12.83	12.87	14.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK			37800	38000	38200	
			1	0	13.47	13.44	13.78	14.5
1			25	13.04	14.03	14.05	14.5	
1			49	13.46	13.46	13.65	14.5	
		25	0	13.5	13.56	13.73	14.5	

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		25	13	13.52	13.39	13.72	14.5	
		25	25	13.58	13.5	13.73	14.5	
		50	0	13.52	13.49	13.73	14.5	
	16QAM	1	0	13.78	13.72	13.65	14.5	
		1	25	14.03	13.55	14.13	14.5	
		1	49	13.87	13.54	13.72	14.5	
		25	0	13.46	13.46	13.69	14.5	
		25	13	13.5	13.46	13.64	14.5	
		25	25	13.57	13.33	13.8	14.5	
		50	0	13.43	13.47	13.58	14.5	
		64QAM	1	0	13.31	13.2	13.22	14.5
	1		25	12.37	12.28	12.21	14.5	
	1		49	13.02	13.07	13.01	14.5	
	25		0	12.87	13	12.7	14.5	
	25		13	12.91	12.9	12.68	14.5	
	25		25	12.98	12.82	12.56	14.5	
50	0		12.87	12.86	12.83	14.5		
Bandwidth	Modulation		RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	13.54	13.46	13.56	14.5	
		1	38	13.36	13.51	13.61	14.5	
		1	74	13.44	13.59	13.63	14.5	
		36	0	13.54	13.48	13.63	14.5	
		36	18	13.64	13.54	13.7	14.5	
		36	39	13.48	13.62	13.79	14.5	
		75	0	13.52	13.5	13.65	14.5	
	16QAM	1	0	13.26	13.77	13.51	14.5	
		1	38	13.88	13.59	13.65	14.5	
		1	74	13.58	13.44	13.8	14.5	
		36	0	13.45	13.41	13.57	14.5	
		36	18	13.39	13.41	13.58	14.5	
		36	39	13.47	13.47	13.7	14.5	
		75	0	13.47	13.46	13.56	14.5	
	64QAM	1	0	13.31	13.16	13.22	14.5	
		1	38	12.27	12.32	12.16	14.5	
		1	74	12.89	13.12	13.14	14.5	
		36	0	12.96	12.92	12.71	14.5	
		36	18	12.93	12.81	12.67	14.5	
		36	39	12.87	12.78	12.63	14.5	
		75	0	12.99	12.86	12.85	14.5	
	Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
	20MHz	QPSK	1	0	13.62	13.61	13.58	14.5
			1	50	12.99	13.56	14.06	14.5
1			99	13.66	13.8	13.77	14.5	
50			0	13.5	13.49	13.6	14.5	
50			25	13.45	13.48	13.66	14.5	

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		50	50	13.58	13.54	13.71	14.5
		100	0	13.44	13.54	13.66	14.5
	16QAM	1	0	13.7	13.73	13.75	14.5
		1	50	13.46	13.46	14.17	14.5
		1	99	13.44	13.74	13.89	14.5
		50	0	13.39	13.38	13.61	14.5
		50	25	13.37	13.41	13.58	14.5
		50	50	13.49	13.43	13.73	14.5
		100	0	13.42	13.46	13.57	14.5
	64QAM	1	0	13.37	13.25	13.17	14.5
		1	50	12.33	12.25	12.25	14.5
		1	99	12.97	13.11	13.02	14.5
		50	0	12.92	12.97	12.98	14.5
		50	25	12.85	12.84	12.86	14.5
		50	50	12.88	12.8	12.88	14.5
		100	0	12.87	12.9	12.89	14.5

LTE Band 38 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	12.36	12.52	12.69	13.5	
		1	13	12.5	12.5	12.61	13.5	
		1	24	12.42	12.43	12.65	13.5	
		12	0	12.5	12.53	12.71	13.5	
		12	6	12.43	12.55	12.67	13.5	
		12	13	12.51	12.66	12.81	13.5	
		25	0	12.54	12.63	12.74	13.5	
	16QAM	1	0	12.89	12.85	12.63	13.5	
		1	13	12.36	12.78	12.93	13.5	
		1	24	12.72	12.84	12.84	13.5	
		12	0	12.4	12.51	12.76	13.5	
		12	6	12.48	12.61	12.66	13.5	
		12	13	12.41	12.39	12.54	13.5	
		25	0	12.44	12.44	12.69	13.5	
	64QAM	1	0	12.31	12.2	12.11	13.5	
		1	13	11.34	11.21	11.09	13.5	
		1	24	11.81	12.08	12.01	13.5	
		12	0	11.93	11.92	11.62	13.5	
		12	6	11.93	11.89	11.68	13.5	
		12	13	11.89	11.82	11.53	13.5	
		25	0	11.89	11.74	11.78	13.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	12.41	12.49	12.64	13.5
			1	25	12.12	12.46	12.71	13.5

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		1	49	12.38	12.63	12.72	13.5		
		25	0	12.51	12.54	12.65	13.5		
		25	13	12.53	12.55	12.77	13.5		
		25	25	12.59	12.53	12.65	13.5		
		50	0	12.52	12.52	12.65	13.5		
	16QAM	1	0	12.65	12.63	12.97	13.5		
		1	25	12.58	12.33	13.08	13.5		
		1	49	12.5	12.76	12.93	13.5		
		25	0	12.47	12.43	12.71	13.5		
		25	13	12.29	12.47	12.7	13.5		
	64QAM	25	25	12.56	12.48	12.71	13.5		
		50	0	12.42	12.45	12.5	13.5		
		1	0	12.32	12.2	12.05	13.5		
		1	25	11.37	11.22	11.16	13.5		
		1	49	11.89	12.14	12.04	13.5		
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
					37825	38000	38175		
			15MHz	QPSK	1	0	12.5	12.51	12.59
1					38	12.55	12.54	12.76	13.5
1					74	12.59	12.52	12.66	13.5
36					0	12.53	12.56	12.7	13.5
36					18	12.6	12.62	12.73	13.5
36					39	12.57	12.67	12.81	13.5
75					0	12.52	12.66	12.7	13.5
16QAM				1	0	12.57	12.86	12.81	13.5
				1	38	12.67	13.06	12.78	13.5
				1	74	12.35	12.68	12.92	13.5
				36	0	12.56	12.46	12.67	13.5
				36	18	12.53	12.61	12.57	13.5
				36	39	12.49	12.55	12.73	13.5
				75	0	12.45	12.56	12.6	13.5
64QAM				1	0	12.3	12.19	12.11	13.5
				1	38	11.3	11.21	11.13	13.5
	1	74		11.81	12.15	11.95	13.5		
	36	0		11.88	11.9	11.6	13.5		
	36	18	11.88	11.87	11.74	13.5			
	36	39	11.93	11.8	11.54	13.5			
	75	0	11.89	11.82	11.8	13.5			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				37850	38000	38150			
		20MHz	QPSK	1	0	12.59	12.67	12.53	13.5
				1	50	12.54	13.01	12.8	13.5
				1	99	12.63	12.78	12.94	13.5

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		50	0	12.5	12.66	12.68	13.5
		50	25	12.6	12.64	12.7	13.5
		50	50	12.6	12.65	12.77	13.5
		100	0	12.6	12.58	12.71	13.5
	16QAM	1	0	12.86	12.97	12.89	13.5
		1	50	13.04	12.43	12.67	13.5
		1	99	12.76	12.58	12.88	13.5
		50	0	12.41	12.42	12.56	13.5
		50	25	12.36	12.51	12.55	13.5
		50	50	12.51	12.59	12.71	13.5
		100	0	12.55	12.49	12.62	13.5
	64QAM	1	0	12.22	12.37	12.12	13.5
		1	50	11.35	11.25	11.14	13.5
		1	99	11.83	12.08	12.02	13.5
		50	0	11.94	11.84	11.64	13.5
		50	25	11.85	11.81	11.7	13.5
		50	50	11.95	11.79	11.58	13.5
		100	0	11.87	11.83	11.87	13.5

LTE Band 38 Receiver off (body or limbs) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.51	15.49	15.79	16.5
		1	13	15.49	15.54	15.7	16.5
		1	24	15.42	15.48	15.71	16.5
		12	0	15.5	15.56	15.78	16.5
		12	6	15.6	15.45	15.68	16.5
		12	13	15.52	15.53	15.74	16.5
		25	0	15.54	15.4	15.67	16.5
	16QAM	1	0	15.58	15.63	15.77	16.5
		1	13	15.59	15.87	15.61	16.5
		1	24	15.5	15.8	15.66	16.5
		12	0	15.45	15.42	15.69	16.5
		12	6	15.34	15.52	15.49	16.5
		12	13	15.39	15.51	15.74	16.5
		25	0	15.56	15.48	15.62	16.5
	64QAM	1	0	15.26	15.31	15.21	16.5
		1	13	15.13	14.12	15.07	16.5
		1	24	15.15	15.22	15.29	16.5
		12	0	15.28	15.3	15.23	16.5
		12	6	15.14	15.08	15.07	16.5
		12	13	15.19	15.17	14.98	16.5
		25	0	15.2	15.19	15.17	16.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	QPSK	1	0	15.44	15.43	15.69	16.5	
		1	25	15.25	15.72	15.93	16.5	
		1	49	15.42	15.55	15.6	16.5	
		25	0	15.4	15.5	15.63	16.5	
		25	13	15.49	15.56	15.77	16.5	
		25	25	15.54	15.49	15.79	16.5	
		50	0	15.48	15.47	15.77	16.5	
	16QAM	1	0	15.45	15.34	15.64	16.5	
		1	25	15.12	15.61	15.74	16.5	
		1	49	15.39	15.37	15.57	16.5	
		25	0	15.42	15.5	15.53	16.5	
		25	13	15.53	15.52	15.52	16.5	
		25	25	15.49	15.43	15.64	16.5	
		50	0	15.41	15.38	15.56	16.5	
	64QAM	1	0	15.31	15.34	15.19	16.5	
		1	25	15.12	14.23	15.03	16.5	
		1	49	15.1	15.18	15.29	16.5	
		25	0	15.32	15.35	15.27	16.5	
		25	13	15.07	15.06	15.01	16.5	
		25	25	15.19	15.16	14.98	16.5	
		50	0	15.16	15.15	15.11	16.5	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					37825	38000	38175	
	15MHz	QPSK	1	0	15.42	15.44	15.48	16.5
1			38	15.45	15.43	15.66	16.5	
1			74	15.45	15.52	15.7	16.5	
36			0	15.46	15.57	15.7	16.5	
36			18	15.47	15.53	15.6	16.5	
36			39	15.48	15.51	15.71	16.5	
75			0	15.52	15.51	15.67	16.5	
16QAM		1	0	15.52	15.46	15.65	16.5	
		1	38	15.71	15.61	15.74	16.5	
		1	74	15.41	15.62	15.66	16.5	
		36	0	15.34	15.37	15.61	16.5	
		36	18	15.5	15.48	15.53	16.5	
		36	39	15.38	15.52	15.69	16.5	
		75	0	15.46	15.46	15.51	16.5	
64QAM		1	0	15.28	15.32	15.24	16.5	
		1	38	15.08	14.13	15.03	16.5	
		1	74	15.19	15.17	15.2	16.5	
		36	0	15.33	15.24	15.27	16.5	
		36	18	15.11	15.07	15.02	16.5	
		36	39	15.21	15.06	14.99	16.5	
		75	0	15.19	15.27	15.21	16.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	15.5	15.58	15.58	16.5
		1	50	15.07	14.65	15.65	16.5
		1	99	15.48	15.66	15.83	16.5
		50	0	15.36	15.56	15.55	16.5
		50	25	15.53	15.51	15.6	16.5
		50	50	15.53	15.55	15.65	16.5
		100	0	15.48	15.49	15.59	16.5
	16QAM	1	0	15.61	15.45	15.76	16.5
		1	50	15.78	15.91	15.47	16.5
		1	99	15.63	15.88	16.22	16.5
		50	0	15.29	15.44	15.61	16.5
		50	25	15.37	15.44	15.54	16.5
		50	50	15.47	15.59	15.7	16.5
		100	0	15.44	15.45	15.6	16.5
	64QAM	1	0	15.33	15.37	15.26	16.5
		1	50	15.16	14.23	15.14	16.5
		1	99	15.22	15.29	15.31	16.5
		50	0	15.38	15.36	15.3	16.5
		50	25	15.17	15.15	15.11	16.5
		50	50	15.21	15.18	15.09	16.5
		100	0	15.25	15.27	15.22	16.5

LTE Band 38 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	11.42	11.51	11.75	12.5
		1	13	11.51	11.56	11.7	12.5
		1	24	11.44	11.6	11.58	12.5
		12	0	11.52	11.49	11.67	12.5
		12	6	11.08	11.51	11.42	12.5
		12	13	11.54	11.62	11.75	12.5
		25	0	11.43	11.52	11.58	12.5
	16QAM	1	0	11.63	12.01	11.63	12.5
		1	13	11.59	12.08	11.68	12.5
		1	24	11.48	11.94	11.58	12.5
		12	0	11.48	11.57	11.68	12.5
		12	6	11.45	11.41	11.61	12.5
		12	13	11.38	11.53	11.63	12.5
		25	0	11.35	11.38	11.56	12.5
	64QAM	1	0	11.51	11.54	11.57	12.5
		1	13	11.6	11.81	11.79	12.5
		1	24	11.6	11.54	11.66	12.5
		12	0	11.41	11.42	11.53	12.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
		37800	38000	38200				
10MHz	QPSK	12	6	11.34	11.39	11.26	12.5	
		12	13	11.19	11.26	11.33	12.5	
		25	0	11.39	11.26	11.37	12.5	
		1	0	11.49	11.48	11.67	12.5	
		1	25	11.78	11.57	11.82	12.5	
		1	49	11.58	11.64	11.66	12.5	
		25	0	11.52	11.48	11.61	12.5	
	16QAM	25	13	11.42	11.5	11.71	12.5	
		25	25	11.49	11.49	11.71	12.5	
		50	0	11.54	11.59	11.73	12.5	
		1	0	11.67	11.76	11.54	12.5	
		1	25	11.9	11.75	11.47	12.5	
		1	49	11.44	11.4	11.98	12.5	
		25	0	11.4	11.57	11.56	12.5	
	64QAM	25	13	11.34	11.43	11.57	12.5	
		25	25	11.45	11.44	11.56	12.5	
		50	0	11.32	11.42	11.64	12.5	
		1	0	11.62	11.71	11.52	12.5	
		1	25	11.49	11.61	11.71	12.5	
		1	49	11.65	11.52	11.89	12.5	
		25	0	11.27	11.24	11.57	12.5	
	15MHz	QPSK	25	13	11.32	11.43	11.29	12.5
			25	25	11.41	11.53	11.52	12.5
			50	0	11.08	11.25	11.44	12.5
1			0	11.45	11.37	11.52	12.5	
1			38	11.53	11.61	11.7	12.5	
1			74	11.45	11.59	11.69	12.5	
36			0	11.49	11.58	11.62	12.5	
16QAM		36	18	11.57	11.64	11.65	12.5	
		36	39	11.56	11.57	11.73	12.5	
		75	0	11.52	11.56	11.62	12.5	
		1	0	11.66	11.46	11.75	12.5	
		1	38	11.89	11.7	11.89	12.5	
		1	74	11.65	11.75	12.06	12.5	
		36	0	11.46	11.52	11.68	12.5	
64QAM		36	18	11.57	11.51	11.51	12.5	
		36	39	11.5	11.48	11.79	12.5	
		75	0	11.39	11.42	11.49	12.5	
		1	0	11.68	11.7	11.44	12.5	
		1	38	11.57	11.55	11.93	12.5	
		1	74	11.48	11.31	11.94	12.5	
		36	0	11.28	11.12	11.34	12.5	
15MHz		64QAM	36	18	11.14	11.33	11.31	12.5

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Bandwidth	Modulation	36	39	11.3	11.55	11.36	12.5
		75	0	11.16	11.41	11.53	12.5
20MHz	QPSK	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	11.6	11.51	11.71	12.5
		1	50	11.63	11.58	11.68	12.5
		1	99	11.61	11.66	11.77	12.5
		50	0	11.52	11.61	11.65	12.5
		50	25	11.51	11.58	11.69	12.5
		50	50	11.53	11.62	11.72	12.5
		100	0	11.52	11.54	11.7	12.5
	16QAM	1	0	11.77	11.75	11.68	12.5
		1	50	11.81	11.82	12	12.5
		1	99	11.66	11.64	11.97	12.5
		50	0	11.57	11.43	11.57	12.5
		50	25	11.46	11.53	11.6	12.5
		50	50	11.47	11.6	11.61	12.5
		100	0	11.43	11.44	11.62	12.5
	64QAM	1	0	11.71	11.53	11.57	12.5
		1	50	11.71	11.56	11.92	12.5
		1	99	11.33	11.63	11.67	12.5
		50	0	11.46	11.14	11.32	12.5
		50	25	11.12	11.18	11.31	12.5
		50	50	11.21	11.46	11.59	12.5
		100	0	11.1	11.29	11.38	12.5

LTE Band 38 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	10.4	10.45	10.7	11.5
		1	13	10.48	10.46	10.69	11.5
		1	24	10.37	10.39	10.6	11.5
		12	0	10.47	10.58	10.65	11.5
		12	6	10.21	10.47	10.51	11.5
		12	13	10.5	10.58	10.63	11.5
		25	0	10.53	10.43	10.55	11.5
	16QAM	1	0	10.62	10.62	10.73	11.5
		1	13	10.37	10.56	10.9	11.5
		1	24	10.57	10.36	10.83	11.5
		12	0	10.34	10.52	10.54	11.5
		12	6	10.3	10.46	10.68	11.5
		12	13	10.35	10.53	10.5	11.5
		25	0	10.44	10.4	10.61	11.5
	64QAM	1	0	10.39	10.45	10.5	11.5
		1	13	10.53	10.7	10.74	11.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	QPSK	1	24	10.52	10.44	10.63	11.5	
		12	0	10.41	10.38	10.53	11.5	
		12	6	10.25	10.3	10.15	11.5	
		12	13	10.05	10.17	10.29	11.5	
		25	0	10.37	10.12	10.25	11.5	
		1	0	10.43	10.45	10.63	11.5	
		1	25	10.57	10.54	10.6	11.5	
	16QAM	1	49	10.56	10.53	10.7	11.5	
		25	0	10.47	10.44	10.59	11.5	
		25	13	10.49	10.44	10.68	11.5	
		25	25	10.43	10.46	10.7	11.5	
		50	0	10.5	10.43	10.57	11.5	
		1	0	10.7	10.55	10.74	11.5	
		1	25	10.53	10.26	10.28	11.5	
	64QAM	1	49	10.6	10.6	10.73	11.5	
		25	0	10.35	10.45	10.51	11.5	
		25	13	10.44	10.52	10.59	11.5	
		25	25	10.36	10.51	10.63	11.5	
		50	0	10.43	10.49	10.59	11.5	
		1	0	10.44	10.41	10.44	11.5	
		1	25	10.58	10.75	10.66	11.5	
	15MHz	QPSK	1	74	10.55	10.54	10.68	11.5
			36	0	10.58	10.52	10.72	11.5
			36	18	10.51	10.58	10.6	11.5
			36	39	10.52	10.65	10.69	11.5
75			0	10.46	10.5	10.57	11.5	
1			0	10.43	10.44	10.53	11.5	
1			38	10.5	10.53	10.74	11.5	
16QAM		1	74	10.43	10.4	10.8	11.5	
		36	0	10.47	10.42	10.58	11.5	
		36	18	10.42	10.49	10.62	11.5	
		36	39	10.43	10.55	10.66	11.5	
		75	0	10.39	10.51	10.62	11.5	
		1	0	10.44	10.51	10.51	11.5	
		1	38	10.46	10.68	10.79	11.5	
64QAM		1	74	10.57	10.53	10.59	11.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	QPSK	36	0	10.29	10.37	10.4	11.5	
		36	18	10.3	10.37	10.24	11.5	
		36	39	10.1	10.19	10.3	11.5	
		75	0	10.36	10.19	10.32	11.5	
	16QAM	QPSK	1	0	10.52	10.48	10.61	11.5
			1	50	10.36	10.59	10.64	11.5
			1	99	10.52	10.61	10.8	11.5
			50	0	10.55	10.5	10.57	11.5
			50	25	10.53	10.47	10.6	11.5
			50	50	10.56	10.64	10.76	11.5
		16QAM	100	0	10.56	10.57	10.61	11.5
			1	0	10.28	10.66	10.67	11.5
			1	50	10.7	10.7	10.52	11.5
			1	99	10.43	10.95	10.87	11.5
			50	0	10.35	10.41	10.59	11.5
			50	25	10.48	10.54	10.62	11.5
	64QAM	50	50	10.48	10.56	10.65	11.5	
		100	0	10.48	10.49	10.54	11.5	
		1	0	10.43	10.46	10.48	11.5	
		1	50	10.56	10.69	10.71	11.5	
		1	99	10.55	10.52	10.57	11.5	
		50	0	10.29	10.36	10.39	11.5	
		50	25	10.23	10.31	10.22	11.5	
		50	50	10.11	10.14	10.18	11.5	
	100	0	10.27	10.21	10.28	11.5		

LTE Band 38 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.48	13.7	14.5
		1	13	13.57	13.51	13.65	14.5
		1	24	13.51	13.48	13.67	14.5
		12	0	13.58	13.52	13.82	14.5
		12	6	13.54	13.41	13.5	14.5
		12	13	13.59	13.57	13.77	14.5
	16QAM	25	0	13.64	13.57	13.7	14.5
		1	0	13.49	13.63	13.51	14.5
		1	13	13.68	13.54	13.6	14.5
		1	24	13.5	13.56	13.55	14.5
		12	0	13.55	13.51	13.61	14.5
		12	6	13.5	13.53	13.62	14.5
		12	13	13.43	13.39	13.65	14.5
		25	0	13.42	13.52	13.59	14.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
	64QAM	1	0	13.33	13.41	13.46	14.5
		1	13	13.45	13.53	13.58	14.5
		1	24	13.41	13.46	13.46	14.5
		12	0	13.19	13.22	13.25	14.5
		12	6	13.18	13.22	13.11	14.5
		12	13	12.97	13.13	13.13	14.5
		25	0	13.15	13.08	13.26	14.5
10MHz	QPSK	1	0	13.55	13.45	13.74	14.5
1		25	13.57	13.44	13.73	14.5	
	QPSK	1	49	13.54	13.49	13.75	14.5
		25	0	13.53	13.51	13.67	14.5
	QPSK	25	13	13.56	13.53	13.8	14.5
		25	25	13.5	13.45	13.69	14.5
	QPSK	50	0	13.56	13.49	13.67	14.5
		1	0	13.89	13.41	13.77	14.5
	16QAM	1	25	13.75	13.82	13.74	14.5
		1	49	13.78	13.34	13.78	14.5
	16QAM	25	0	13.45	13.45	13.64	14.5
		25	13	13.44	13.41	13.59	14.5
	16QAM	25	25	13.51	13.41	13.62	14.5
		50	0	13.55	13.48	13.71	14.5
	64QAM	1	0	13.34	13.36	13.37	14.5
		1	25	13.5	13.62	13.68	14.5
	64QAM	1	49	13.54	13.41	13.55	14.5
		25	0	13.29	13.21	13.36	14.5
	64QAM	25	13	13.19	13.21	13.11	14.5
		25	25	12.97	13.08	13.14	14.5
	64QAM	50	0	13.14	13.14	13.22	14.5
15MHz		QPSK	1	0	13.37	13.5	13.6
	1		38	13.53	13.56	13.64	14.5
	QPSK	1	74	13.48	13.57	13.68	14.5
		36	0	13.55	13.51	13.71	14.5
	QPSK	36	18	13.5	13.51	13.72	14.5
		36	39	13.55	13.54	13.81	14.5
	QPSK	75	0	13.56	13.53	13.68	14.5
		1	0	13.65	13.58	13.7	14.5
	16QAM	1	38	13.71	13.68	13.84	14.5
		1	74	13.38	13.34	13.59	14.5
	16QAM	36	0	13.51	13.44	13.62	14.5
		36	18	13.51	13.47	13.67	14.5
	16QAM	36	39	13.53	13.53	13.74	14.5
		75	0	13.48	13.42	13.6	14.5
	64QAM	1	0	13.43	13.32	13.34	14.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	38	13.46	13.68	13.64	14.5
		1	74	13.49	13.44	13.49	14.5
		36	0	13.21	13.21	13.25	14.5
		36	18	13.12	13.16	13.21	14.5
		36	39	12.99	13.03	13.14	14.5
		75	0	13.27	13.13	13.26	14.5
	16QAM	1	0	13.59	13.58	13.68	14.5
		1	50	13.31	13.57	13.59	14.5
		1	99	13.63	13.74	13.86	14.5
		50	0	13.61	13.57	13.61	14.5
		50	25	13.53	13.48	13.64	14.5
		50	50	13.58	13.59	13.8	14.5
	64QAM	100	0	13.56	13.54	13.65	14.5
		1	0	13.69	13.58	13.83	14.5
		1	50	13.01	13.34	14.02	14.5
		1	99	13.47	13.82	14.27	14.5
		50	0	13.5	13.43	13.63	14.5
		50	25	13.46	13.4	13.57	14.5
	64QAM	50	50	13.55	13.55	13.61	14.5
		100	0	13.52	13.52	13.54	14.5
		1	0	13.42	13.32	13.35	14.5
		1	50	13.56	13.66	13.62	14.5
		1	99	13.44	13.42	13.47	14.5
		50	0	13.21	13.24	13.37	14.5
64QAM	50	25	13.21	13.22	13.13	14.5	
	50	50	13.11	13.03	13.15	14.5	
	100	0	13.26	13.16	13.2	14.5	

LTE Band 38 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	11.42	11.51	11.75	12.5
		1	13	11.51	11.56	11.7	12.5
		1	24	11.44	11.6	11.58	12.5
		12	0	11.52	11.49	11.67	12.5
		12	6	11.08	11.51	11.42	12.5
		12	13	11.54	11.62	11.75	12.5
		25	0	11.43	11.52	11.58	12.5
	16QAM	1	0	11.63	12.01	11.63	12.5
		1	13	11.59	12.08	11.68	12.5
		1	24	11.48	11.94	11.58	12.5
		12	0	11.48	11.57	11.68	12.5
		12	6	11.45	11.41	11.61	12.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	64QAM	12	13	11.38	11.53	11.63	12.5	
		25	0	11.35	11.38	11.56	12.5	
		1	0	11.51	11.54	11.57	12.5	
		1	13	11.6	11.81	11.79	12.5	
		1	24	11.6	11.54	11.66	12.5	
		12	0	11.41	11.42	11.53	12.5	
		12	6	11.34	11.39	11.26	12.5	
		12	13	11.19	11.26	11.33	12.5	
	25	0	11.39	11.26	11.37	12.5		
	10MHz	QPSK	1	0	11.49	11.48	11.67	12.5
			1	25	11.78	11.57	11.82	12.5
			1	49	11.58	11.64	11.66	12.5
			25	0	11.52	11.48	11.61	12.5
			25	13	11.42	11.5	11.71	12.5
			25	25	11.49	11.49	11.71	12.5
			50	0	11.54	11.59	11.73	12.5
		16QAM	1	0	11.67	11.76	11.54	12.5
			1	25	11.9	11.75	11.47	12.5
			1	49	11.44	11.4	11.98	12.5
			25	0	11.4	11.57	11.56	12.5
			25	13	11.34	11.43	11.57	12.5
			25	25	11.45	11.44	11.56	12.5
			50	0	11.32	11.42	11.64	12.5
		64QAM	1	0	11.62	11.71	11.52	12.5
			1	25	11.49	11.61	11.71	12.5
1			49	11.65	11.52	11.89	12.5	
25			0	11.27	11.24	11.57	12.5	
25			13	11.32	11.43	11.29	12.5	
25			25	11.41	11.53	11.52	12.5	
50			0	11.08	11.25	11.44	12.5	
Bandwidth		Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					37825	38000	38175	
15MHz		QPSK	1	0	11.45	11.37	11.52	12.5
			1	38	11.53	11.61	11.7	12.5
	1		74	11.45	11.59	11.69	12.5	
	36		0	11.49	11.58	11.62	12.5	
	36		18	11.57	11.64	11.65	12.5	
	36		39	11.56	11.57	11.73	12.5	
	75		0	11.52	11.56	11.62	12.5	
	16QAM	1	0	11.66	11.46	11.75	12.5	
		1	38	11.89	11.7	11.89	12.5	
		1	74	11.65	11.75	12.06	12.5	
		36	0	11.46	11.52	11.68	12.5	
		36	18	11.57	11.51	11.51	12.5	
		36	39	11.5	11.48	11.79	12.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	64QAM	75	0	11.39	11.42	11.49	12.5	
		1	0	11.68	11.7	11.44	12.5	
		1	38	11.57	11.55	11.93	12.5	
		1	74	11.48	11.31	11.94	12.5	
		36	0	11.28	11.12	11.34	12.5	
		36	18	11.14	11.33	11.31	12.5	
		36	39	11.3	11.55	11.36	12.5	
		75	0	11.16	11.41	11.53	12.5	
	QPSK	1	0	11.6	11.51	11.71	12.5	
		1	50	11.63	11.58	11.68	12.5	
		1	99	11.61	11.66	11.77	12.5	
		50	0	11.52	11.61	11.65	12.5	
		50	25	11.51	11.58	11.69	12.5	
		50	50	11.53	11.62	11.72	12.5	
		100	0	11.52	11.54	11.7	12.5	
		16QAM	1	0	11.77	11.75	11.68	12.5
			1	50	11.81	11.82	12	12.5
			1	99	11.66	11.64	11.97	12.5
			50	0	11.57	11.43	11.57	12.5
			50	25	11.46	11.53	11.6	12.5
			50	50	11.47	11.6	11.61	12.5
			100	0	11.43	11.44	11.62	12.5
			64QAM	1	0	11.71	11.53	11.57
		1		50	11.71	11.56	11.92	12.5
	1	99		11.33	11.63	11.67	12.5	
	50	0		11.46	11.14	11.32	12.5	
	50	25		11.12	11.18	11.31	12.5	
	50	50		11.21	11.46	11.59	12.5	
100	0	11.1		11.29	11.38	12.5		

LTE Band 38 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	10.4	10.45	10.7	11.5
		1	13	10.48	10.46	10.69	11.5
		1	24	10.37	10.39	10.6	11.5
		12	0	10.47	10.58	10.65	11.5
		12	6	10.21	10.47	10.51	11.5
		12	13	10.5	10.58	10.63	11.5
		25	0	10.53	10.43	10.55	11.5
	16QAM	1	0	10.62	10.62	10.73	11.5
		1	13	10.37	10.56	10.9	11.5
		1	24	10.57	10.36	10.83	11.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37800	38000	38200		
10MHz	64QAM	12	0	10.34	10.52	10.54	11.5	
		12	6	10.3	10.46	10.68	11.5	
		12	13	10.35	10.53	10.5	11.5	
		25	0	10.44	10.4	10.61	11.5	
		1	0	10.39	10.45	10.5	11.5	
		1	13	10.53	10.7	10.74	11.5	
		1	24	10.52	10.44	10.63	11.5	
		12	0	10.41	10.38	10.53	11.5	
		12	6	10.25	10.3	10.15	11.5	
	12	13	10.05	10.17	10.29	11.5		
	25	0	10.37	10.12	10.25	11.5		
	10MHz	QPSK	1	0	10.43	10.45	10.63	11.5
			1	25	10.57	10.54	10.6	11.5
			1	49	10.56	10.53	10.7	11.5
			25	0	10.47	10.44	10.59	11.5
			25	13	10.49	10.44	10.68	11.5
			25	25	10.43	10.46	10.7	11.5
			50	0	10.5	10.43	10.57	11.5
16QAM		1	0	10.7	10.55	10.74	11.5	
		1	25	10.53	10.26	10.28	11.5	
		1	49	10.6	10.6	10.73	11.5	
		25	0	10.35	10.45	10.51	11.5	
		25	13	10.44	10.52	10.59	11.5	
		25	25	10.36	10.51	10.63	11.5	
		50	0	10.43	10.49	10.59	11.5	
64QAM		1	0	10.44	10.41	10.44	11.5	
		1	25	10.58	10.75	10.66	11.5	
		1	49	10.46	10.45	10.51	11.5	
		25	0	10.27	10.31	10.49	11.5	
	25	13	10.3	10.26	10.17	11.5		
	25	25	10.06	10.2	10.33	11.5		
	50	0	10.26	10.11	10.24	11.5		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37825	38000	38175		
15MHz	QPSK	1	0	10.39	10.49	10.48	11.5	
		1	38	10.46	10.54	10.62	11.5	
		1	74	10.55	10.54	10.68	11.5	
		36	0	10.58	10.52	10.72	11.5	
		36	18	10.51	10.58	10.6	11.5	
		36	39	10.52	10.65	10.69	11.5	
		75	0	10.46	10.5	10.57	11.5	
	16QAM	1	0	10.43	10.44	10.53	11.5	
		1	38	10.5	10.53	10.74	11.5	
		1	74	10.43	10.4	10.8	11.5	
		36	0	10.47	10.42	10.58	11.5	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	64QAM	36	18	10.42	10.49	10.62	11.5	
		36	39	10.43	10.55	10.66	11.5	
		75	0	10.39	10.51	10.62	11.5	
		1	0	10.44	10.51	10.51	11.5	
		1	38	10.46	10.68	10.79	11.5	
		1	74	10.57	10.53	10.59	11.5	
		36	0	10.29	10.37	10.4	11.5	
		36	18	10.3	10.37	10.24	11.5	
		36	39	10.1	10.19	10.3	11.5	
	75	0	10.36	10.19	10.32	11.5		
	20MHz	QPSK	1	0	10.52	10.48	10.61	11.5
			1	50	10.36	10.59	10.64	11.5
			1	99	10.52	10.61	10.8	11.5
			50	0	10.55	10.5	10.57	11.5
			50	25	10.53	10.47	10.6	11.5
			50	50	10.56	10.64	10.76	11.5
			100	0	10.56	10.57	10.61	11.5
		16QAM	1	0	10.28	10.66	10.67	11.5
			1	50	10.7	10.7	10.52	11.5
			1	99	10.43	10.95	10.87	11.5
			50	0	10.35	10.41	10.59	11.5
			50	25	10.48	10.54	10.62	11.5
			50	50	10.48	10.56	10.65	11.5
			100	0	10.48	10.49	10.54	11.5
		64QAM	1	0	10.43	10.46	10.48	11.5
			1	50	10.56	10.69	10.71	11.5
			1	99	10.55	10.52	10.57	11.5
50			0	10.29	10.36	10.39	11.5	
50			25	10.23	10.31	10.22	11.5	
50			50	10.11	10.14	10.18	11.5	
100			0	10.27	10.21	10.28	11.5	

LTE Band 38 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.48	13.7	14.5
		1	13	13.57	13.51	13.65	14.5
		1	24	13.51	13.48	13.67	14.5
		12	0	13.58	13.52	13.82	14.5
		12	6	13.54	13.41	13.5	14.5
		12	13	13.59	13.57	13.77	14.5
		25	0	13.64	13.57	13.7	14.5
	16QAM	1	0	13.49	13.63	13.51	14.5

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		1	13	13.68	13.54	13.6	14.5	
		1	24	13.5	13.56	13.55	14.5	
		12	0	13.55	13.51	13.61	14.5	
		12	6	13.5	13.53	13.62	14.5	
		12	13	13.43	13.39	13.65	14.5	
		25	0	13.42	13.52	13.59	14.5	
	64QAM	1	0	13.33	13.41	13.46	14.5	
		1	13	13.45	13.53	13.58	14.5	
		1	24	13.41	13.46	13.46	14.5	
		12	0	13.19	13.22	13.25	14.5	
		12	6	13.18	13.22	13.11	14.5	
		12	13	12.97	13.13	13.13	14.5	
	25	0	13.15	13.08	13.26	14.5		
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up	
10MHz	QPSK	1	0	13.55	13.45	13.74	14.5	
		1	25	13.57	13.44	13.73	14.5	
		1	49	13.54	13.49	13.75	14.5	
		25	0	13.53	13.51	13.67	14.5	
		25	13	13.56	13.53	13.8	14.5	
		25	25	13.5	13.45	13.69	14.5	
	16QAM	50	0	13.56	13.49	13.67	14.5	
		1	0	13.89	13.41	13.77	14.5	
		1	25	13.75	13.82	13.74	14.5	
		1	49	13.78	13.34	13.78	14.5	
		25	0	13.45	13.45	13.64	14.5	
		25	13	13.44	13.41	13.59	14.5	
	64QAM	25	25	13.51	13.41	13.62	14.5	
		50	0	13.55	13.48	13.71	14.5	
		1	0	13.34	13.36	13.37	14.5	
		1	25	13.5	13.62	13.68	14.5	
		1	49	13.54	13.41	13.55	14.5	
		25	0	13.29	13.21	13.36	14.5	
		25	13	13.19	13.21	13.11	14.5	
		25	25	12.97	13.08	13.14	14.5	
		50	0	13.14	13.14	13.22	14.5	
	Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
	15MHz	QPSK	1	0	13.37	13.5	13.6	14.5
			1	38	13.53	13.56	13.64	14.5
1			74	13.48	13.57	13.68	14.5	
36			0	13.55	13.51	13.71	14.5	
36			18	13.5	13.51	13.72	14.5	
36			39	13.55	13.54	13.81	14.5	
75			0	13.56	13.53	13.68	14.5	
16QAM		1	0	13.65	13.58	13.7	14.5	
		1	38	13.71	13.68	13.84	14.5	

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		1	74	13.38	13.34	13.59	14.5		
		36	0	13.51	13.44	13.62	14.5		
		36	18	13.51	13.47	13.67	14.5		
		36	39	13.53	13.53	13.74	14.5		
		75	0	13.48	13.42	13.6	14.5		
	64QAM	1	0	13.43	13.32	13.34	14.5		
		1	38	13.46	13.68	13.64	14.5		
		1	74	13.49	13.44	13.49	14.5		
		36	0	13.21	13.21	13.25	14.5		
		36	18	13.12	13.16	13.21	14.5		
		36	39	12.99	13.03	13.14	14.5		
		75	0	13.27	13.13	13.26	14.5		
		Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
						37850	38000	38150	
		20MHz	QPSK	1	0	13.59	13.58	13.68	14.5
	1			50	13.31	13.57	13.59	14.5	
	1			99	13.63	13.74	13.86	14.5	
	50			0	13.61	13.57	13.61	14.5	
	50			25	13.53	13.48	13.64	14.5	
	50			50	13.58	13.59	13.8	14.5	
16QAM	100		0	13.56	13.54	13.65	14.5		
	1		0	13.69	13.58	13.83	14.5		
	1		50	13.01	13.34	14.02	14.5		
	1		99	13.47	13.82	14.27	14.5		
	50		0	13.5	13.43	13.63	14.5		
	50		25	13.46	13.4	13.57	14.5		
64QAM	50		50	13.55	13.55	13.61	14.5		
	100		0	13.52	13.52	13.54	14.5		
	1		0	13.42	13.32	13.35	14.5		
	1		50	13.56	13.66	13.62	14.5		
	1		99	13.44	13.42	13.47	14.5		
	50		0	13.21	13.24	13.37	14.5		
		50	25	13.21	13.22	13.13	14.5		
		50	50	13.11	13.03	13.15	14.5		
		100	0	13.26	13.16	13.2	14.5		

LTE Band 38 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.55	13.78	14.5
		1	13	13.47	13.56	13.72	14.5
		1	24	13.51	13.52	13.61	14.5
		12	0	13.52	13.53	13.71	14.5
		12	6	13.62	13.5	13.8	14.5
		12	13	13.53	13.52	13.81	14.5

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	16QAM	25	0	13.43	13.39	13.73	14.5
		1	0	13.81	13.8	13.89	14.5
		1	13	13.65	13.27	13.84	14.5
		1	24	13.62	13.35	13.92	14.5
		12	0	13.46	13.4	13.56	14.5
		12	6	13.46	13.56	13.6	14.5
		12	13	13.43	13.45	13.72	14.5
	64QAM	25	0	13.37	13.32	13.49	14.5
		1	0	13.32	13.22	13.15	14.5
		1	13	12.37	12.27	12.18	14.5
		1	24	12.9	13.16	13.04	14.5
		12	0	12.97	12.94	12.69	14.5
		12	6	12.95	12.91	12.75	14.5
		12	13	12.95	12.84	12.61	14.5
25	0	12.92	12.83	12.87	14.5		
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	13.47	13.44	13.78	14.5
		1	25	13.04	14.03	14.05	14.5
		1	49	13.46	13.46	13.65	14.5
		25	0	13.5	13.56	13.73	14.5
		25	13	13.52	13.39	13.72	14.5
		25	25	13.58	13.5	13.73	14.5
		50	0	13.52	13.49	13.73	14.5
	16QAM	1	0	13.78	13.72	13.65	14.5
		1	25	14.03	13.55	14.13	14.5
		1	49	13.87	13.54	13.72	14.5
		25	0	13.46	13.46	13.69	14.5
		25	13	13.5	13.46	13.64	14.5
		25	25	13.57	13.33	13.8	14.5
		50	0	13.43	13.47	13.58	14.5
	64QAM	1	0	13.31	13.2	13.22	14.5
		1	25	12.37	12.28	12.21	14.5
		1	49	13.02	13.07	13.01	14.5
		25	0	12.87	13	12.7	14.5
		25	13	12.91	12.9	12.68	14.5
		25	25	12.98	12.82	12.56	14.5
		50	0	12.87	12.86	12.83	14.5
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	13.54	13.46	13.56	14.5
		1	38	13.36	13.51	13.61	14.5
		1	74	13.44	13.59	13.63	14.5
		36	0	13.54	13.48	13.63	14.5
		36	18	13.64	13.54	13.7	14.5
		36	39	13.48	13.62	13.79	14.5
		75	0	13.52	13.5	13.65	14.5

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	16QAM	1	0	13.26	13.77	13.51	14.5
		1	38	13.88	13.59	13.65	14.5
		1	74	13.58	13.44	13.8	14.5
		36	0	13.45	13.41	13.57	14.5
		36	18	13.39	13.41	13.58	14.5
		36	39	13.47	13.47	13.7	14.5
		75	0	13.47	13.46	13.56	14.5
	64QAM	1	0	13.31	13.16	13.22	14.5
		1	38	12.27	12.32	12.16	14.5
		1	74	12.89	13.12	13.14	14.5
		36	0	12.96	12.92	12.71	14.5
		36	18	12.93	12.81	12.67	14.5
		36	39	12.87	12.78	12.63	14.5
		75	0	12.99	12.86	12.85	14.5
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	13.62	13.61	13.58	14.5
		1	50	12.99	13.56	14.06	14.5
		1	99	13.66	13.8	13.77	14.5
		50	0	13.5	13.49	13.6	14.5
		50	25	13.45	13.48	13.66	14.5
		50	50	13.58	13.54	13.71	14.5
		100	0	13.44	13.54	13.66	14.5
	16QAM	1	0	13.7	13.73	13.75	14.5
		1	50	13.46	13.46	14.17	14.5
		1	99	13.44	13.74	13.89	14.5
		50	0	13.39	13.38	13.61	14.5
		50	25	13.37	13.41	13.58	14.5
		50	50	13.49	13.43	13.73	14.5
		100	0	13.42	13.46	13.57	14.5
	64QAM	1	0	13.37	13.25	13.17	14.5
		1	50	12.33	12.25	12.25	14.5
		1	99	12.97	13.11	13.02	14.5
		50	0	12.92	12.97	12.98	14.5
		50	25	12.85	12.84	12.86	14.5
		50	50	12.88	12.8	12.88	14.5
		100	0	12.87	12.9	12.89	14.5

LTE Band 38 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	12.36	12.52	12.69	13.5
		1	13	12.5	12.5	12.61	13.5
		1	24	12.42	12.43	12.65	13.5
		12	0	12.5	12.53	12.71	13.5

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		12	6	12.43	12.55	12.67	13.5
		12	13	12.51	12.66	12.81	13.5
		25	0	12.54	12.63	12.74	13.5
	16QAM	1	0	12.89	12.85	12.63	13.5
		1	13	12.36	12.78	12.93	13.5
		1	24	12.72	12.84	12.84	13.5
		12	0	12.4	12.51	12.76	13.5
		12	6	12.48	12.61	12.66	13.5
		12	13	12.41	12.39	12.54	13.5
		25	0	12.44	12.44	12.69	13.5
	64QAM	1	0	12.31	12.2	12.11	13.5
		1	13	11.34	11.21	11.09	13.5
		1	24	11.81	12.08	12.01	13.5
		12	0	11.93	11.92	11.62	13.5
		12	6	11.93	11.89	11.68	13.5
		12	13	11.89	11.82	11.53	13.5
25		0	11.89	11.74	11.78	13.5	
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	12.41	12.49	12.64	13.5
		1	25	12.12	12.46	12.71	13.5
		1	49	12.38	12.63	12.72	13.5
		25	0	12.51	12.54	12.65	13.5
		25	13	12.53	12.55	12.77	13.5
		25	25	12.59	12.53	12.65	13.5
		50	0	12.52	12.52	12.65	13.5
	16QAM	1	0	12.65	12.63	12.97	13.5
		1	25	12.58	12.33	13.08	13.5
		1	49	12.5	12.76	12.93	13.5
		25	0	12.47	12.43	12.71	13.5
		25	13	12.29	12.47	12.7	13.5
		25	25	12.56	12.48	12.71	13.5
		50	0	12.42	12.45	12.5	13.5
	64QAM	1	0	12.32	12.2	12.05	13.5
		1	25	11.37	11.22	11.16	13.5
		1	49	11.89	12.14	12.04	13.5
		25	0	11.89	11.86	11.6	13.5
		25	13	11.87	11.9	11.73	13.5
		25	25	11.9	11.78	11.59	13.5
		50	0	11.91	11.77	11.77	13.5
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	12.5	12.51	12.59	13.5
		1	38	12.55	12.54	12.76	13.5
		1	74	12.59	12.52	12.66	13.5
		36	0	12.53	12.56	12.7	13.5
		36	18	12.6	12.62	12.73	13.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	16QAM	36	39	12.57	12.67	12.81	13.5	
		75	0	12.52	12.66	12.7	13.5	
		1	0	12.57	12.86	12.81	13.5	
		1	38	12.67	13.06	12.78	13.5	
		1	74	12.35	12.68	12.92	13.5	
		36	0	12.56	12.46	12.67	13.5	
		36	18	12.53	12.61	12.57	13.5	
		36	39	12.49	12.55	12.73	13.5	
		75	0	12.45	12.56	12.6	13.5	
		1	0	12.3	12.19	12.11	13.5	
		1	38	11.3	11.21	11.13	13.5	
		1	74	11.81	12.15	11.95	13.5	
		36	0	11.88	11.9	11.6	13.5	
		36	18	11.88	11.87	11.74	13.5	
	36	39	11.93	11.8	11.54	13.5		
	75	0	11.89	11.82	11.8	13.5		
	QPSK	1	0	12.59	12.67	12.53	13.5	
		1	50	12.54	13.01	12.8	13.5	
		1	99	12.63	12.78	12.94	13.5	
		50	0	12.5	12.66	12.68	13.5	
		50	25	12.6	12.64	12.7	13.5	
		50	50	12.6	12.65	12.77	13.5	
		100	0	12.6	12.58	12.71	13.5	
		16QAM	1	0	12.86	12.97	12.89	13.5
			1	50	13.04	12.43	12.67	13.5
			1	99	12.76	12.58	12.88	13.5
			50	0	12.41	12.42	12.56	13.5
			50	25	12.36	12.51	12.55	13.5
50			50	12.51	12.59	12.71	13.5	
100			0	12.55	12.49	12.62	13.5	
64QAM	1	0	12.22	12.37	12.12	13.5		
	1	50	11.35	11.25	11.14	13.5		
	1	99	11.83	12.08	12.02	13.5		
	50	0	11.94	11.84	11.64	13.5		
	50	25	11.85	11.81	11.7	13.5		
	50	50	11.95	11.79	11.58	13.5		
	100	0	11.87	11.83	11.87	13.5		

LTE Band 38 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.51	15.49	15.79	16.5
		1	13	15.49	15.54	15.7	16.5

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		1	24	15.42	15.48	15.71	16.5			
		12	0	15.5	15.56	15.78	16.5			
		12	6	15.6	15.45	15.68	16.5			
		12	13	15.52	15.53	15.74	16.5			
		25	0	15.54	15.4	15.67	16.5			
		16QAM	1	0	15.58	15.63	15.77	16.5		
			1	13	15.59	15.87	15.61	16.5		
			1	24	15.5	15.8	15.66	16.5		
			12	0	15.45	15.42	15.69	16.5		
			12	6	15.34	15.52	15.49	16.5		
			12	13	15.39	15.51	15.74	16.5		
		64QAM	25	0	15.56	15.48	15.62	16.5		
	1		0	15.26	15.31	15.21	16.5			
	1		13	15.13	14.12	15.07	16.5			
	1		24	15.15	15.22	15.29	16.5			
	12		0	15.28	15.3	15.23	16.5			
	12		6	15.14	15.08	15.07	16.5			
	10MHz	QPSK	12	13	15.19	15.17	14.98	16.5		
			25	0	15.2	15.19	15.17	16.5		
			Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
							37800	38000	38200	
			QPSK	1	0	15.44	15.43	15.69	16.5	
				1	25	15.25	15.72	15.93	16.5	
		1		49	15.42	15.55	15.6	16.5		
		25		0	15.4	15.5	15.63	16.5		
		25		13	15.49	15.56	15.77	16.5		
		25		25	15.54	15.49	15.79	16.5		
		16QAM	50	0	15.48	15.47	15.77	16.5		
			1	0	15.45	15.34	15.64	16.5		
			1	25	15.12	15.61	15.74	16.5		
			1	49	15.39	15.37	15.57	16.5		
			25	0	15.42	15.5	15.53	16.5		
			25	13	15.53	15.52	15.52	16.5		
		64QAM	25	25	15.49	15.43	15.64	16.5		
			50	0	15.41	15.38	15.56	16.5		
			1	0	15.31	15.34	15.19	16.5		
			1	25	15.12	14.23	15.03	16.5		
			1	49	15.1	15.18	15.29	16.5		
	25		0	15.32	15.35	15.27	16.5			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up			
				37825	38000	38175				
15MHz	QPSK	25	13	15.07	15.06	15.01	16.5			
		25	25	15.19	15.16	14.98	16.5			
		50	0	15.16	15.15	15.11	16.5			
1	0	15.42	15.44	15.48	16.5					
1	38	15.45	15.43	15.66	16.5					
1	74	15.45	15.52	15.7	16.5					

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37850	38000	38150		
20MHz	16QAM	36	0	15.46	15.57	15.7	16.5	
		36	18	15.47	15.53	15.6	16.5	
		36	39	15.48	15.51	15.71	16.5	
		75	0	15.52	15.51	15.67	16.5	
		1	0	15.52	15.46	15.65	16.5	
		1	38	15.71	15.61	15.74	16.5	
		1	74	15.41	15.62	15.66	16.5	
		36	0	15.34	15.37	15.61	16.5	
		36	18	15.5	15.48	15.53	16.5	
		36	39	15.38	15.52	15.69	16.5	
		75	0	15.46	15.46	15.51	16.5	
		1	0	15.28	15.32	15.24	16.5	
	64QAM	1	38	15.08	14.13	15.03	16.5	
		1	74	15.19	15.17	15.2	16.5	
		36	0	15.33	15.24	15.27	16.5	
		36	18	15.11	15.07	15.02	16.5	
		36	39	15.21	15.06	14.99	16.5	
		75	0	15.19	15.27	15.21	16.5	
		QPSK	1	0	15.5	15.58	15.58	16.5
			1	50	15.07	14.65	15.65	16.5
			1	99	15.48	15.66	15.83	16.5
			50	0	15.36	15.56	15.55	16.5
			50	25	15.53	15.51	15.6	16.5
			50	50	15.53	15.55	15.65	16.5
	100		0	15.48	15.49	15.59	16.5	
	16QAM		1	0	15.61	15.45	15.76	16.5
			1	50	15.78	15.91	15.47	16.5
			1	99	15.63	15.88	16.22	16.5
			50	0	15.29	15.44	15.61	16.5
			50	25	15.37	15.44	15.54	16.5
50			50	15.47	15.59	15.7	16.5	
100			0	15.44	15.45	15.6	16.5	
64QAM			1	0	15.33	15.37	15.26	16.5
	1		50	15.16	14.23	15.14	16.5	
	1	99	15.22	15.29	15.31	16.5		
	50	0	15.38	15.36	15.3	16.5		
	50	25	15.17	15.15	15.11	16.5		
	50	50	15.21	15.18	15.09	16.5		
	100	0	15.25	15.27	15.22	16.5		

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LTE Band 41 Receiver on(Left head)/Receiver off + BT				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40165	40515	40865	41215	
5MHz	QPSK	1	0	15.33	15.53	15.36	15.13	16.50
		1	13	15.35	15.54	15.37	15.07	16.50
		1	24	15.29	15.06	15.32	14.61	16.50
		12	0	15.30	15.53	15.36	15.04	16.50
		12	6	15.33	15.43	15.20	14.95	16.50
		12	13	15.33	15.10	15.33	15.05	16.50
		25	0	15.33	15.10	15.32	15.02	16.50
	16QAM	1	0	15.62	15.70	15.01	14.62	16.50
		1	13	15.27	15.42	15.48	14.72	16.50
		1	24	15.10	14.96	15.32	14.66	16.50
		12	0	15.25	15.41	15.26	14.89	16.50
		12	6	15.13	15.27	14.96	14.84	16.50
		12	13	15.22	14.99	15.23	15.01	16.50
		25	0	15.16	15.01	15.32	14.94	16.50
	64QAM	1	0	15.63	15.45	15.33	14.97	16.50
		1	13	15.62	15.42	15.23	15.02	16.50
		1	24	14.91	15.05	15.23	14.84	16.50
		12	0	15.58	15.15	15.23	14.99	16.50
		12	6	15.30	15.26	15.19	14.83	16.50
		12	13	15.28	15.27	15.27	15.02	16.50
		25	0	15.30	15.06	15.33	14.94	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	14.86	14.77	14.57	14.53	16.50
		1	25	15.29	15.22	14.84	15.03	16.50
		1	49	15.26	15.08	15.19	14.69	16.50
		25	0	15.59	15.25	15.46	15.14	16.50
		25	13	15.18	15.15	15.48	14.98	16.50
		25	25	15.16	15.06	15.13	14.98	16.50
		50	0	15.17	15.18	15.48	14.98	16.50
	16QAM	1	0	14.66	15.02	14.62	14.59	16.50
		1	25	15.41	14.93	15.15	14.87	16.50
		1	49	14.94	15.01	15.08	14.82	16.50
		25	0	15.49	15.23	15.05	15.06	16.50
		25	13	15.00	15.00	15.32	14.93	16.50
		25	25	15.16	15.10	14.95	14.97	16.50
		50	0	15.11	15.17	15.35	15.02	16.50
	64QAM	1	0	14.95	14.58	14.75	14.84	16.50
		1	25	14.95	15.40	14.92	14.76	16.50
		1	49	15.70	15.30	15.46	14.93	16.50
		25	0	15.37	15.28	15.43	14.99	16.50
		25	13	15.17	15.13	15.15	15.03	16.50

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Bandwidth	Modulation	25	25	15.29	15.00	15.19	14.56	16.50	
		50	0	15.18	15.16	15.24	15.05	16.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40215	40532	40848	41165		
15MHz	QPSK	1	0	14.81	14.81	14.91	14.80	16.50	
		1	38	15.44	15.47	15.32	14.92	16.50	
		1	74	15.51	14.92	15.39	14.73	16.50	
		36	0	15.56	15.39	15.40	15.19	16.50	
		36	18	15.47	15.42	15.28	15.14	16.50	
		36	39	15.57	14.93	15.42	14.78	16.50	
		75	0	15.50	15.24	15.36	15.18	16.50	
	16QAM	1	0	14.90	14.75	14.68	14.69	16.50	
		1	38	15.52	15.37	15.25	15.19	16.50	
		1	74	15.32	14.51	15.37	14.96	16.50	
		36	0	15.31	15.26	15.36	15.08	16.50	
		36	18	15.07	15.25	15.26	15.09	16.50	
		36	39	15.33	15.17	15.31	15.01	16.50	
		75	0	15.18	15.14	15.24	15.09	16.50	
	64QAM	1	0	14.64	14.81	14.53	14.83	16.50	
		1	38	15.55	15.50	15.39	15.28	16.50	
		1	74	15.66	15.18	15.02	15.17	16.50	
		36	0	15.54	15.57	15.30	15.38	16.50	
		36	18	15.51	15.50	15.18	14.82	16.50	
		36	39	15.49	14.95	15.26	14.72	16.50	
		75	0	15.45	15.24	15.37	14.87	16.50	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
					40240	40540	40840	41140	
	20MHz	QPSK	1	0	15.11	15.13	14.77	15.20	16.50
			1	50	15.58	14.86	15.14	14.81	16.50
			1	99	15.71	15.34	15.64	14.96	16.50
			50	0	15.53	15.41	15.23	15.63	16.50
			50	25	15.51	15.22	15.39	15.18	16.50
50			50	15.51	15.23	15.64	14.89	16.50	
100			0	15.52	15.33	15.32	15.10	16.50	
16QAM		1	0	15.23	15.39	14.91	14.80	16.50	
		1	50	15.31	15.20	15.39	15.21	16.50	
		1	99	15.56	15.25	15.57	15.36	16.50	
		50	0	15.27	15.41	15.31	15.19	16.50	
		50	25	15.65	15.12	15.24	15.17	16.50	
		50	50	15.56	15.12	15.26	15.23	16.50	
		100	0	15.35	15.22	15.24	14.96	16.50	
64QAM		1	0	14.97	15.02	14.87	15.16	16.50	
		1	50	15.58	14.87	15.42	15.62	16.50	
		1	99	15.61	14.83	15.60	15.29	16.50	
		50	0	15.44	15.54	15.21	15.32	16.50	
		50	25	15.43	15.38	15.06	14.97	16.50	
		50	50	15.41	14.95	15.26	15.07	16.50	

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		100	0	15.44	15.06	15.22	15.03	16.50
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LTE Band 41 Receiver on(Right head)/Receiver off + WiFi2.4G Ant1/Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2/Receiver off + hotspot 2.4G				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	14.68	14.80	14.96	14.53	16.00	
		1	13	14.67	14.81	14.75	14.51	16.00	
		1	24	14.52	14.67	14.75	14.48	16.00	
		12	0	14.95	14.85	14.85	14.56	16.00	
		12	6	15.04	14.91	14.84	14.59	16.00	
		12	13	14.96	14.69	14.82	14.52	16.00	
		25	0	14.60	14.75	14.92	14.49	16.00	
	16QAM	1	0	14.93	14.87	14.98	14.32	16.00	
		1	13	15.00	14.64	14.82	14.38	16.00	
		1	24	14.88	14.65	14.83	14.67	16.00	
		12	0	14.80	14.73	14.82	14.48	16.00	
		12	6	14.85	14.82	14.68	14.39	16.00	
		12	13	14.82	14.68	14.65	14.48	16.00	
		25	0	14.74	14.60	14.83	14.39	16.00	
	64QAM	1	0	15.06	14.78	14.90	14.54	16.00	
		1	13	14.90	14.58	14.85	14.52	16.00	
		1	24	14.66	14.59	14.61	14.06	16.00	
		12	0	14.73	14.65	14.91	14.51	16.00	
		12	6	14.56	14.48	14.28	14.46	16.00	
		12	13	14.75	14.66	14.61	14.51	16.00	
		25	0	14.77	14.69	14.87	14.46	16.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
					40190	40523	40857	41190	
	10MHz	QPSK	1	0	14.17	14.13	14.08	14.22	16.00
1			25	14.76	14.65	14.33	14.36	16.00	
1			49	14.66	14.29	14.99	14.38	16.00	
25			0	15.07	14.89	14.91	14.61	16.00	
25			13	14.59	14.86	14.83	14.52	16.00	
25			25	14.98	14.46	14.71	14.50	16.00	
50			0	14.68	14.84	14.93	14.52	16.00	
16QAM		1	0	14.32	14.31	14.26	14.25	16.00	
		1	25	14.88	14.81	14.60	14.54	16.00	
		1	49	14.89	14.54	14.61	14.19	16.00	
		25	0	14.76	14.80	14.98	14.41	16.00	
		25	13	14.80	14.67	14.71	14.47	16.00	
		25	25	14.86	14.76	14.71	14.45	16.00	
		50	0	14.74	14.77	14.78	14.41	16.00	
64QAM		1	0	14.19	14.05	14.01	14.14	16.00	
		1	25	14.91	14.75	14.67	15.21	16.00	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40215	40532	40848	41165		
15MHz	QPSK	1	49	14.72	14.91	14.81	14.47	16.00	
		25	0	14.77	14.77	14.72	14.42	16.00	
		25	13	14.72	14.64	14.60	14.41	16.00	
		25	25	14.76	14.49	14.77	14.42	16.00	
		50	0	14.59	14.59	14.55	14.59	16.00	
	16QAM	16QAM	1	0	14.01	14.34	14.15	14.23	16.00
			1	38	15.04	14.92	14.83	14.73	16.00
			1	74	14.78	14.26	14.71	14.54	16.00
			36	0	14.79	15.07	14.74	14.73	16.00
			36	18	14.71	14.61	14.62	14.55	16.00
			36	39	15.12	14.45	14.91	14.30	16.00
			75	0	14.90	14.72	14.74	14.61	16.00
	64QAM	64QAM	1	0	14.52	14.48	14.33	14.03	16.00
			1	38	14.83	14.89	14.60	14.90	16.00
			1	74	15.23	14.12	14.61	14.59	16.00
			36	0	14.89	14.80	14.82	14.72	16.00
			36	18	14.76	14.58	14.67	14.68	16.00
			36	39	14.92	14.58	14.79	14.54	16.00
			75	0	14.80	14.63	14.74	14.65	16.00
	20MHz	QPSK	1	0	14.38	14.31	14.02	14.30	16.00
1			38	14.73	14.75	14.87	15.02	16.00	
1			74	15.05	14.47	14.60	14.38	16.00	
36			0	14.88	14.69	14.69	14.70	16.00	
36			18	14.86	14.59	14.57	14.59	16.00	
36			39	14.88	14.41	14.93	14.61	16.00	
75			0	14.80	14.55	14.63	14.68	16.00	
16QAM		16QAM	1	0	14.51	14.39	14.24	14.66	16.00
			1	50	14.72	14.75	14.77	14.87	16.00
			1	99	15.30	14.59	15.03	14.43	16.00
			50	0	14.86	14.99	14.87	15.19	16.00
			50	25	15.09	14.86	14.78	14.73	16.00
			50	50	15.16	14.48	14.98	14.44	16.00
64QAM	64QAM	100	0	14.78	14.91	14.80	14.64	16.00	
		1	0	14.87	14.93	14.53	14.71	16.00	
		1	50	14.59	14.86	14.90	15.07	16.00	
		1	99	15.17	15.06	15.01	14.80	16.00	
		50	0	14.99	14.93	14.73	15.00	16.00	
		50	25	14.91	14.48	14.61	14.77	16.00	
		50	50	15.00	14.37	14.85	14.44	16.00	
64QAM	64QAM	100	0	15.07	14.67	14.81	14.79	16.00	
		1	0	14.73	14.54	14.12	14.45	16.00	
		1	50	14.88	15.00	14.90	15.07	16.00	
		1	99	15.28	14.61	15.12	14.98	16.00	

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		50	0	14.86	14.74	14.64	14.82	16.00
		50	25	14.83	14.63	14.59	14.56	16.00
		50	50	14.84	14.49	15.07	14.71	16.00
		100	0	14.98	14.65	14.80	14.51	16.00

LTE Band 41 Receiver off				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	17.39	17.28	17.26	17.10	19.00	
		1	13	17.32	17.08	17.29	17.07	19.00	
		1	24	17.35	17.18	17.29	17.11	19.00	
		12	0	17.36	17.17	17.22	17.10	19.00	
		12	6	17.19	17.22	17.08	17.00	19.00	
		12	13	17.34	17.18	17.28	17.13	19.00	
		25	0	17.36	17.06	17.26	17.08	19.00	
	16QAM	1	0	17.27	17.53	17.46	17.02	19.00	
		1	13	17.29	17.32	17.54	17.16	19.00	
		1	24	17.23	17.32	17.55	17.11	19.00	
		12	0	17.31	17.08	17.26	17.07	19.00	
		12	6	17.30	17.06	17.10	17.00	19.00	
		12	13	17.36	17.10	17.23	17.12	19.00	
		25	0	17.34	17.03	17.22	17.05	19.00	
	64QAM	1	0	17.12	17.13	17.42	17.12	19.00	
		1	13	17.35	17.01	17.04	17.00	19.00	
		1	24	17.05	17.02	17.01	17.04	19.00	
		12	0	17.45	17.01	17.29	17.02	19.00	
		12	6	17.09	17.03	17.05	17.18	19.00	
		12	13	17.31	17.04	17.06	17.00	19.00	
		25	0	17.14	17.06	17.51	17.16	19.00	
	10MHz	QPSK	1	0	17.16	17.13	17.02	17.14	19.00
			1	25	17.38	17.24	17.01	17.03	19.00
			1	49	17.06	17.17	17.17	17.16	19.00
25			0	17.15	17.14	17.18	17.01	19.00	
25			13	17.11	17.05	17.16	17.27	19.00	
25			25	17.13	17.21	17.15	17.29	19.00	
50			0	17.20	17.13	17.20	17.03	19.00	
16QAM		1	0	17.15	17.17	17.29	17.22	19.00	
		1	25	17.32	17.28	17.25	17.75	19.00	
		1	49	17.09	17.32	17.40	17.18	19.00	
		25	0	17.17	17.24	17.26	17.26	19.00	
		25	13	17.00	17.19	17.27	17.28	19.00	
		25	25	17.15	17.09	17.19	17.20	19.00	
		50	0	17.13	17.13	17.28	17.48	19.00	
64QAM		1	0	17.37	17.36	17.23	17.14	19.00	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up		
				40215	40532	40848	41165			
15MHz	QPSK	1	25	17.18	17.03	17.09	17.21	19.00		
		1	49	17.30	17.05	17.02	17.36	19.00		
		25	0	17.40	17.14	17.19	17.01	19.00		
		25	13	17.31	17.05	17.25	17.38	19.00		
		25	25	17.30	17.13	17.20	17.16	19.00		
		50	0	17.27	17.14	17.15	17.11	19.00		
	16QAM	QPSK	1	0	17.16	17.14	17.12	17.07	19.00	
			1	38	17.49	17.04	17.07	17.12	19.00	
			1	74	17.11	17.17	17.14	17.22	19.00	
			36	0	17.27	17.20	17.23	17.42	19.00	
			36	18	17.21	17.18	17.11	17.27	19.00	
			36	39	17.25	17.00	17.14	17.08	19.00	
		16QAM	16QAM	75	0	17.24	17.06	17.25	17.07	19.00
				1	0	17.36	17.07	17.25	17.14	19.00
				1	38	17.03	17.11	17.53	17.26	19.00
				1	74	17.16	17.14	17.54	17.25	19.00
				36	0	17.28	17.06	17.17	17.33	19.00
				36	18	17.16	17.29	17.09	17.06	19.00
	64QAM	64QAM	36	39	17.16	17.13	17.07	17.15	19.00	
			75	0	17.19	17.14	17.08	17.18	19.00	
			1	0	17.00	17.11	17.05	17.13	19.00	
1			38	17.30	17.18	17.06	17.19	19.00		
1			74	17.03	17.01	17.12	17.09	19.00		
36			0	17.33	17.45	17.04	17.35	19.00		
20MHz	QPSK	36	18	17.03	17.08	17.37	17.04	19.00		
		36	39	17.51	17.05	17.15	17.05	19.00		
		75	0	17.22	17.08	17.09	17.04	19.00		
		1	0	17.31	17.19	17.32	17.47	19.00		
		1	50	17.22	17.16	17.06	17.32	19.00		
		1	99	17.48	17.14	17.34	17.40	19.00		
	16QAM	16QAM	50	0	17.32	17.25	17.27	17.40	19.00	
			50	25	17.27	17.14	17.17	17.18	19.00	
			50	50	17.31	17.08	17.21	17.15	19.00	
100			0	17.34	17.17	17.32	17.16	19.00		
1			0	17.42	17.05	17.31	17.39	19.00		
1			50	17.06	17.25	17.08	17.21	19.00		
64QAM	64QAM	1	99	17.78	17.18	17.54	17.34	19.00		
		50	0	17.40	17.12	17.20	17.51	19.00		
		50	25	17.39	17.15	17.16	17.02	19.00		
64QAM	64QAM	50	50	17.45	17.04	17.23	17.03	19.00		
		100	0	17.39	17.10	17.21	17.09	19.00		
64QAM	64QAM	1	0	17.11	17.34	17.17	17.23	19.00		
		1	50	17.00	17.08	17.18	17.15	19.00		

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		1	99	17.06	17.32	17.23	17.26	19.00
		50	0	17.51	17.07	17.11	17.55	19.00
		50	25	17.45	17.04	17.07	17.09	19.00
		50	50	17.49	17.05	17.07	17.03	19.00
		100	0	17.51	17.00	17.17	17.00	19.00

LTE Band 41 Receiver on(Left head) + BT				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	13.66	13.29	13.68	13.15	15.00	
		1	13	13.51	13.47	13.66	13.12	15.00	
		1	24	13.55	13.37	13.75	13.04	15.00	
		12	0	13.64	13.46	13.47	13.12	15.00	
		12	6	13.34	13.38	13.48	13.01	15.00	
		12	13	13.55	13.35	13.44	13.07	15.00	
		25	0	13.51	13.35	13.55	13.03	15.00	
	16QAM	1	0	13.69	13.56	13.81	13.17	15.00	
		1	13	13.60	13.59	13.43	13.00	15.00	
		1	24	13.53	13.36	13.82	13.29	15.00	
		12	0	13.52	13.48	13.32	13.02	15.00	
		12	6	13.39	13.41	13.33	13.23	15.00	
		12	13	13.46	13.33	13.50	13.01	15.00	
		25	0	13.41	13.32	13.46	13.34	15.00	
	64QAM	1	0	13.48	13.14	13.33	13.04	15.00	
		1	13	13.44	13.16	13.43	13.31	15.00	
		1	24	13.08	13.17	13.31	13.19	15.00	
		12	0	13.69	13.20	13.40	13.17	15.00	
		12	6	13.38	13.07	13.45	13.09	15.00	
		12	13	13.71	13.20	13.38	13.04	15.00	
		25	0	13.29	13.53	13.48	13.33	15.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
					40190	40523	40857	41190	
	10MHz	QPSK	1	0	13.22	13.31	13.26	13.16	15.00
1			25	13.69	13.34	13.35	13.19	15.00	
1			49	13.25	13.15	13.44	13.21	15.00	
25			0	13.59	13.33	13.34	13.19	15.00	
25			13	13.28	13.06	13.46	13.41	15.00	
25			25	13.43	13.44	13.46	13.31	15.00	
50			0	13.67	13.10	13.45	13.33	15.00	
16QAM		1	0	13.13	13.28	13.11	13.10	15.00	
		1	25	13.44	13.84	13.64	13.59	15.00	
		1	49	13.35	13.04	13.59	13.12	15.00	
		25	0	13.44	13.73	13.58	13.12	15.00	
		25	13	13.48	13.40	13.43	13.34	15.00	
		25	25	13.52	13.15	13.31	13.29	15.00	
		50	0	13.50	13.37	13.60	13.32	15.00	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40215	40532	40848	41165		
15MHz	64QAM	1	0	13.04	13.05	13.09	13.11	15.00	
		1	25	13.27	13.14	13.21	13.15	15.00	
		1	49	13.45	13.35	13.23	13.18	15.00	
		25	0	13.48	13.73	13.48	13.15	15.00	
		25	13	13.14	13.15	13.38	13.23	15.00	
		25	25	13.41	13.13	13.36	13.26	15.00	
		50	0	13.51	13.00	13.49	13.21	15.00	
15MHz	QPSK	1	0	13.01	13.02	13.05	13.07	15.00	
		1	38	13.60	13.45	13.28	13.16	15.00	
		1	74	13.46	13.45	13.56	13.04	15.00	
		36	0	13.49	13.55	13.34	13.63	15.00	
		36	18	13.51	13.52	13.53	13.49	15.00	
		36	39	13.74	13.23	13.64	13.11	15.00	
		75	0	13.33	13.37	13.50	13.53	15.00	
	16QAM	1	0	13.49	13.13	13.17	13.24	15.00	
		1	38	13.64	13.39	13.54	13.42	15.00	
		1	74	13.89	13.23	13.79	13.12	15.00	
		36	0	13.51	13.30	13.30	13.53	15.00	
		36	18	13.55	13.38	13.37	13.21	15.00	
		36	39	13.56	13.16	13.17	13.06	15.00	
		75	0	13.21	13.11	13.17	13.52	15.00	
	64QAM	1	0	13.14	13.19	13.12	13.39	15.00	
		1	38	13.24	13.44	13.50	13.25	15.00	
		1	74	13.43	13.21	13.65	13.25	15.00	
		36	0	13.62	13.28	13.39	13.49	15.00	
		36	18	13.53	13.23	13.53	13.11	15.00	
		36	39	13.59	13.11	13.60	13.15	15.00	
		75	0	13.72	13.08	13.16	13.15	15.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
					40240	40540	40840	41140	
	20MHz	QPSK	1	0	13.12	13.32	13.14	13.25	15.00
			1	50	13.68	13.01	13.63	13.50	15.00
			1	99	13.84	13.03	13.85	13.24	15.00
			50	0	13.97	13.70	13.25	13.78	15.00
			50	25	13.65	13.16	13.49	13.20	15.00
50			50	13.68	13.15	13.50	13.14	15.00	
100			0	13.67	13.15	13.48	13.18	15.00	
16QAM		1	0	13.47	13.35	13.35	13.16	15.00	
		1	50	13.47	13.31	13.51	13.41	15.00	
		1	99	13.70	13.32	13.42	13.28	15.00	
		50	0	13.71	13.15	13.37	13.56	15.00	
		50	25	13.47	13.05	13.16	13.09	15.00	
		50	50	13.61	13.09	13.35	13.13	15.00	
		100	0	13.71	13.12	13.33	13.11	15.00	
64QAM		1	0	13.13	13.05	13.21	13.08	15.00	

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		1	50	13.70	13.14	13.45	13.36	15.00
		1	99	13.51	13.61	13.81	13.84	15.00
		50	0	13.71	13.21	13.41	13.51	15.00
		50	25	13.30	13.03	13.34	13.35	15.00
		50	50	13.37	13.07	13.29	13.09	15.00
		100	0	13.48	13.12	13.36	13.08	15.00

LTE Band 41 Receiver on(Right head) + BT/Receiver on(Left head) + WiFi2.4G Ant1/Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2/Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	12.24	12.26	12.30	12.15	13.50	
		1	13	12.52	12.19	12.52	12.12	13.50	
		1	24	12.40	12.18	12.42	11.67	13.50	
		12	0	12.56	12.32	12.48	12.15	13.50	
		12	6	12.59	12.20	12.38	12.07	13.50	
		12	13	12.56	12.27	12.47	12.18	13.50	
		25	0	12.40	12.28	12.45	12.09	13.50	
	16QAM	1	0	12.56	12.77	12.37	12.12	13.50	
		1	13	12.65	12.34	12.45	12.12	13.50	
		1	24	12.49	12.17	12.55	12.28	13.50	
		12	0	12.43	12.14	12.44	12.29	13.50	
		12	6	12.29	12.51	12.56	11.76	13.50	
		12	13	12.31	12.14	12.33	11.95	13.50	
		25	0	12.43	12.26	12.31	12.06	13.50	
	64QAM	1	0	12.29	12.34	12.29	12.13	13.50	
		1	13	12.19	12.31	12.42	11.83	13.50	
		1	24	12.69	12.43	12.46	11.99	13.50	
		12	0	12.25	12.22	12.39	11.98	13.50	
		12	6	12.58	12.24	12.40	12.05	13.50	
		12	13	12.47	12.25	12.39	12.03	13.50	
		25	0	12.24	12.33	12.35	11.74	13.50	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
	10MHz	QPSK			40190	40523	40857	41190	
			1	0	11.85	11.70	11.69	11.92	13.50
1			25	12.48	11.91	12.01	11.64	13.50	
1			49	12.42	11.70	12.21	11.53	13.50	
25			0	12.44	12.77	12.61	12.21	13.50	
25			13	12.56	12.09	12.47	12.20	13.50	
25			25	12.31	12.31	12.19	11.69	13.50	
50		0	12.61	12.09	12.26	12.18	13.50		
16QAM		1	0	11.94	11.90	11.61	11.65	13.50	
		1	25	12.80	12.53	12.72	12.12	13.50	
		1	49	12.32	11.64	12.50	11.94	13.50	
		25	0	12.53	12.37	12.14	12.15	13.50	

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	64QAM	25	13	12.45	12.12	12.42	12.05	13.50
		25	25	12.50	11.98	12.56	11.63	13.50
		50	0	12.61	12.05	12.48	12.19	13.50
		1	0	11.77	11.72	11.54	11.56	13.50
		1	25	12.63	12.47	12.00	11.85	13.50
		1	49	12.44	12.14	12.21	12.12	13.50
		25	0	12.49	12.18	12.44	12.34	13.50
		25	13	12.43	12.12	12.45	11.84	13.50
		25	25	12.35	12.11	12.25	11.64	13.50
		50	0	12.55	11.99	12.14	11.82	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40215	40532	40848	41165	
15MHz	QPSK	1	0	12.02	11.79	11.92	11.78	13.50
		1	38	12.37	12.28	12.45	12.33	13.50
		1	74	12.34	12.01	12.44	12.08	13.50
		36	0	12.58	12.34	12.56	12.34	13.50
		36	18	12.59	12.48	12.41	12.24	13.50
		36	39	12.63	12.19	12.42	12.19	13.50
		75	0	12.76	12.10	12.30	12.52	13.50
	16QAM	1	0	12.14	11.97	11.69	11.97	13.50
		1	38	12.48	12.43	12.79	12.47	13.50
		1	74	12.58	12.02	12.69	12.15	13.50
		36	0	12.47	12.54	12.54	12.63	13.50
		36	18	12.52	12.41	12.32	11.87	13.50
		36	39	12.56	12.12	12.37	12.19	13.50
		75	0	12.70	12.11	12.27	12.18	13.50
	64QAM	1	0	11.87	11.94	11.90	11.82	13.50
		1	38	12.82	12.50	12.18	12.34	13.50
		1	74	12.65	12.10	12.47	11.99	13.50
		36	0	12.30	12.52	12.36	12.35	13.50
		36	18	12.21	12.40	12.26	12.25	13.50
		36	39	12.67	11.72	12.28	12.26	13.50
		75	0	12.22	12.06	12.27	11.98	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40240	40540	40840	41140	
20MHz	QPSK	1	0	12.23	11.93	11.60	12.05	13.50
		1	50	12.48	12.38	12.24	11.77	13.50
		1	99	12.81	12.36	12.76	12.05	13.50
		50	0	12.82	12.21	12.47	12.53	13.50
		50	25	12.48	12.03	12.34	12.23	13.50
		50	50	12.78	12.02	12.69	12.09	13.50
		100	0	12.69	12.08	12.38	12.05	13.50
	16QAM	1	0	12.38	12.26	11.82	12.09	13.50
		1	50	12.63	11.87	11.59	12.07	13.50
		1	99	12.78	12.11	12.47	12.26	13.50
		50	0	12.72	12.20	12.17	12.40	13.50
		50	25	12.64	11.92	12.09	12.01	13.50

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64QAM	50	50	12.55	11.90	12.42	11.98	13.50
	100	0	12.63	12.11	12.48	12.04	13.50
	1	0	11.98	12.26	11.50	11.86	13.50
	1	50	12.63	12.34	12.47	12.52	13.50
	1	99	12.49	11.88	12.71	12.57	13.50
	50	0	12.66	12.50	12.51	12.44	13.50
	50	25	12.24	12.01	12.26	12.17	13.50
	50	50	12.70	11.94	12.46	11.99	13.50
	100	0	12.68	12.10	12.13	12.23	13.50

LTE Band 41 Receiver on(Right head) + WiFi2.4G Ant1/Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2/Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	12.04	12.13	12.13	11.65	13.00	
		1	13	12.05	11.75	11.93	11.40	13.00	
		1	24	11.94	11.66	12.05	11.53	13.00	
		12	0	12.01	11.81	11.99	11.57	13.00	
		12	6	11.81	11.75	12.05	11.60	13.00	
		12	13	12.02	11.77	12.00	11.55	13.00	
	16QAM	25	0	12.00	11.77	11.95	11.46	13.00	
		1	0	12.29	12.01	11.65	11.19	13.00	
		1	13	12.00	11.69	12.01	11.27	13.00	
		1	24	11.86	11.66	12.04	11.28	13.00	
		12	0	12.07	11.80	11.84	11.57	13.00	
		12	6	11.95	11.49	11.90	11.46	13.00	
	64QAM	12	13	12.00	11.72	12.00	11.44	13.00	
		25	0	11.81	11.54	11.88	11.31	13.00	
		1	0	11.57	11.28	11.96	11.56	13.00	
		1	13	11.66	11.28	11.96	11.73	13.00	
		1	24	11.66	11.26	12.01	11.27	13.00	
		12	0	11.88	11.78	11.80	11.63	13.00	
		12	6	11.69	11.77	11.75	11.25	13.00	
		12	13	11.93	11.59	11.75	11.37	13.00	
	10MHz	QPSK	25	0	11.93	11.63	11.84	11.45	13.00
			1	0	11.35	11.35	11.00	11.15	13.00
			1	25	12.03	11.49	12.09	11.28	13.00
			1	49	12.04	11.48	11.71	11.47	13.00
25			0	12.25	12.11	11.97	11.67	13.00	
25			13	11.74	11.55	11.97	11.59	13.00	
16QAM		25	25	12.00	11.60	11.85	11.49	13.00	
		50	0	12.02	11.61	11.97	11.49	13.00	
		1	0	11.10	11.36	11.18	11.21	13.00	
		1	0	11.35	11.35	11.00	11.15	13.00	

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		1	25	12.27	11.09	11.79	11.37	13.00				
		1	49	11.84	11.38	11.88	11.29	13.00				
		25	0	12.06	11.85	11.68	11.59	13.00				
		25	13	11.85	11.91	11.75	11.51	13.00				
		25	25	11.85	11.28	11.72	11.11	13.00				
		50	0	11.88	11.74	11.90	11.27	13.00				
	64QAM	1	0	11.28	11.43	11.28	11.22	13.00				
		1	25	11.18	11.34	11.54	11.46	13.00				
		1	49	11.74	11.43	11.64	11.38	13.00				
		25	0	11.72	12.19	11.67	11.77	13.00				
		25	13	12.02	11.65	11.90	11.16	13.00				
		25	25	11.81	11.55	12.00	11.56	13.00				
		1	0	11.40	11.34	11.30	11.33	13.00				
		1	38	12.09	11.93	11.87	11.94	13.00				
		1	74	11.91	11.59	12.03	11.59	13.00				
		36	0	12.27	12.06	11.82	12.10	13.00				
		36	18	12.03	11.89	12.09	11.61	13.00				
		36	39	12.08	11.68	11.94	11.32	13.00				
		75	0	11.85	11.65	11.76	11.57	13.00				
		15MHz	16QAM	1	0	11.17	11.60	11.10	11.10	13.00		
				1	38	12.32	11.96	12.11	11.75	13.00		
				1	74	12.25	11.51	11.95	11.39	13.00		
				36	0	12.28	11.98	11.78	11.61	13.00		
				36	18	11.98	11.55	11.79	11.40	13.00		
36	39			12.24	11.61	11.70	11.63	13.00				
64QAM		75	0	11.89	11.59	11.66	11.51	13.00				
		1	0	11.28	11.24	11.21	11.15	13.00				
		1	38	12.07	11.55	11.99	11.97	13.00				
		1	74	11.80	11.13	11.94	11.46	13.00				
		36	0	12.00	12.13	11.80	11.67	13.00				
		36	18	11.92	11.92	11.94	11.41	13.00				
		36	39	12.01	11.18	11.67	11.58	13.00				
		75	0	11.70	11.59	11.70	11.47	13.00				
				1	0	11.61	11.42	11.45	11.63	13.00		
				1	50	11.78	11.66	11.47	11.32	13.00		
				1	99	11.95	11.75	12.19	11.70	13.00		
				50	0	12.04	11.75	11.71	12.01	13.00		
				50	25	11.78	11.51	11.59	11.87	13.00		
				50	50	11.79	11.85	11.96	11.61	13.00		
				100	0	11.85	11.68	12.06	11.97	13.00		
				20MHz	16QAM	1	0	11.70	11.18	11.21	11.49	13.00
						1	50	12.10	11.92	12.14	11.45	13.00

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64QAM	1	99	11.90	12.10	12.09	11.55	13.00
	50	0	12.10	11.62	11.64	11.89	13.00
	50	25	12.09	11.47	11.61	11.91	13.00
	50	50	11.76	11.62	11.85	11.64	13.00
	100	0	11.80	11.58	11.60	11.48	13.00
	1	0	11.37	11.50	11.41	11.51	13.00
	1	50	12.17	11.12	11.90	11.33	13.00
	1	99	12.32	11.21	11.97	11.70	13.00
	50	0	12.14	11.71	11.98	11.93	13.00
	50	25	12.04	11.49	11.52	11.46	13.00
	50	50	12.24	11.32	11.87	11.46	13.00
	100	0	11.80	11.47	11.89	11.88	13.00

LTE Band 41 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO/Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO /Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	10.34	10.68	10.58	10.15	11.20	
		1	13	10.45	10.10	10.58	10.06	11.20	
		1	24	10.48	10.19	10.45	10.10	11.20	
		12	0	10.46	10.34	10.43	10.01	11.20	
		12	6	10.53	10.20	10.31	9.94	11.20	
		12	13	10.29	10.17	10.38	10.05	11.20	
		25	0	10.36	10.17	10.38	9.90	11.20	
	16QAM	1	0	10.03	9.88	10.66	9.99	11.20	
		1	13	10.45	10.05	10.53	9.83	11.20	
		1	24	10.13	9.88	10.16	10.14	11.20	
		12	0	10.33	10.22	10.25	9.82	11.20	
		12	6	10.28	10.15	10.31	9.75	11.20	
		12	13	10.28	10.05	10.18	9.91	11.20	
		25	0	10.36	10.29	10.36	9.96	11.20	
	64QAM	1	0	10.30	10.56	10.71	9.81	11.20	
		1	13	10.78	10.41	10.39	9.56	11.20	
		1	24	10.42	10.05	10.18	10.05	11.20	
		12	0	10.27	10.42	10.25	9.95	11.20	
		12	6	10.59	10.30	10.25	9.94	11.20	
		12	13	10.20	10.06	10.30	9.95	11.20	
		25	0	10.37	10.38	10.24	9.91	11.20	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
	10MHz	QPSK			40190	40523	40857	41190	
			1	0	9.96	9.75	9.79	9.77	11.20
1			25	9.70	9.52	9.94	9.63	11.20	
1			49	10.55	9.85	10.44	10.05	11.20	
25			0	10.64	10.39	10.40	10.49	11.20	
25			13	10.47	10.41	10.46	9.98	11.20	

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40215	40532	40848	41165		
15MHz	16QAM	25	25	10.44	9.94	10.20	9.70	11.20	
		50	0	10.53	10.40	10.41	10.09	11.20	
		1	0	9.62	9.39	9.24	9.73	11.20	
		1	25	10.38	10.35	10.41	10.10	11.20	
		1	49	10.22	9.30	10.00	9.99	11.20	
		25	0	10.58	10.47	10.26	10.33	11.20	
		25	13	10.41	10.27	10.16	9.86	11.20	
		25	25	10.45	9.96	10.25	9.62	11.20	
	50	0	10.42	9.91	10.16	10.17	11.20		
	64QAM	1	0	9.75	9.64	9.57	9.51	11.20	
		1	25	9.53	9.99	9.84	9.63	11.20	
		1	49	10.26	9.92	10.23	9.67	11.20	
		25	0	10.25	10.41	10.26	10.32	11.20	
		25	13	10.16	10.39	10.19	9.72	11.20	
		25	25	10.14	9.84	10.23	9.63	11.20	
		50	0	10.30	9.98	10.10	9.84	11.20	
		16QAM	1	0	10.03	9.84	9.62	9.68	11.20
	1		38	9.82	10.12	10.42	10.11	11.20	
	1		74	10.34	9.69	10.45	10.00	11.20	
	36		0	10.40	10.54	10.23	9.99	11.20	
	36		18	10.72	10.09	10.26	10.18	11.20	
	36		39	10.51	10.11	10.27	9.81	11.20	
	75		0	10.51	10.31	10.26	10.29	11.20	
	64QAM		1	0	9.87	9.97	9.40	9.45	11.20
			1	38	10.34	10.20	10.38	9.94	11.20
			1	74	10.12	9.85	10.31	9.97	11.20
			36	0	10.41	10.47	10.37	10.29	11.20
			36	18	10.30	9.93	10.18	10.34	11.20
36			39	10.36	10.04	10.31	9.82	11.20	
75			0	10.47	10.34	10.24	10.23	11.20	
QPSK			1	0	9.86	9.86	9.63	9.81	11.20
	1		38	10.57	10.38	10.30	10.08	11.20	
	1	74	10.45	9.93	10.50	10.02	11.20		
	36	0	10.63	10.58	10.43	10.38	11.20		
	36	18	10.41	10.48	10.28	10.34	11.20		
	36	39	10.46	9.83	10.34	9.83	11.20		
QPSK	1	0	10.17	10.14	9.89	10.11	11.20		
	1	50	9.60	10.02	9.89	9.75	11.20		
	1	99	10.71	10.41	10.70	10.28	11.20		
	50	0	10.55	10.37	10.59	10.45	11.20		
	50	25	10.54	10.30	10.35	10.28	11.20		
	50	50	10.56	9.88	10.36	9.98	11.20		

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	16QAM	100	0	10.57	10.48	10.39	10.19	11.20
		1	0	9.67	9.82	9.84	10.03	11.20
		1	50	9.68	10.69	9.74	9.77	11.20
		1	99	10.91	10.17	10.38	9.94	11.20
		50	0	10.61	10.51	10.24	10.41	11.20
		50	25	10.41	10.33	10.11	10.25	11.20
		50	50	10.47	9.85	10.19	9.85	11.20
	64QAM	100	0	10.45	10.44	10.51	9.87	11.20
		1	0	9.72	10.01	9.38	10.06	11.20
		1	50	10.45	9.72	10.23	9.91	11.20
		1	99	10.28	9.69	10.19	10.21	11.20
		50	0	10.57	9.98	10.32	10.35	11.20
		50	25	10.41	10.36	10.23	10.22	11.20
		50	50	10.55	10.19	10.31	10.05	11.20
		100	0	10.39	10.14	10.37	9.93	11.20

LTE Band 41 (Right head) + WiFi5G Ant1/Ant2/MIMO/Right head) + BT + WiFi5G Ant1/Ant2/MIMO/Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40165	40515	40865	41215		
5MHz	QPSK	1	0	9.90	9.91	10.12	9.63	10.70	
		1	13	9.99	9.83	9.92	9.54	10.70	
		1	24	9.96	9.70	9.91	9.63	10.70	
		12	0	9.93	9.75	9.87	9.35	10.70	
		12	6	9.79	9.74	10.09	9.57	10.70	
		12	13	9.88	9.70	9.84	9.62	10.70	
		25	0	9.86	9.70	9.78	9.60	10.70	
	16QAM	1	0	9.49	9.61	9.79	9.47	10.70	
		1	13	9.72	9.45	9.47	9.66	10.70	
		1	24	9.84	9.16	9.93	9.47	10.70	
		12	0	9.80	9.75	9.70	9.50	10.70	
		12	6	10.04	9.71	9.62	9.55	10.70	
		12	13	9.78	9.48	9.59	9.43	10.70	
		25	0	9.68	9.66	9.77	9.47	10.70	
	64QAM	1	0	9.84	9.75	10.21	9.63	10.70	
		1	13	9.44	9.57	9.89	9.55	10.70	
		1	24	10.02	9.57	9.96	9.51	10.70	
		12	0	9.79	9.54	9.78	9.39	10.70	
		12	6	10.05	9.56	9.78	9.42	10.70	
		12	13	10.05	9.44	9.71	9.44	10.70	
		25	0	9.58	9.60	9.83	9.44	10.70	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	9.32	9.11	9.37	9.03	
			1	25	9.34	9.05	9.29	9.12	10.70

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		1	49	9.77	9.32	9.82	9.47	10.70	
		25	0	9.99	9.80	9.83	9.56	10.70	
		25	13	9.91	9.59	9.87	9.54	10.70	
		25	25	9.90	9.57	9.88	9.55	10.70	
		50	0	9.89	9.59	9.83	9.62	10.70	
	16QAM	1	0	9.43	8.98	9.19	8.98	10.70	
		1	25	9.96	8.82	10.01	9.42	10.70	
		1	49	9.85	9.55	9.55	9.45	10.70	
		25	0	10.11	9.80	9.99	9.69	10.70	
		25	13	9.85	9.60	9.76	9.24	10.70	
	64QAM	25	25	9.82	9.51	9.75	9.52	10.70	
		50	0	9.77	9.60	9.74	9.52	10.70	
		1	0	9.10	8.90	8.86	9.17	10.70	
		1	25	9.72	9.00	9.19	9.04	10.70	
		1	49	9.87	9.05	9.71	9.29	10.70	
		25	0	9.81	9.77	9.99	9.47	10.70	
		25	13	9.60	9.45	9.76	9.50	10.70	
		25	25	9.90	9.56	9.60	9.36	10.70	
		50	0	9.75	9.64	9.70	9.49	10.70	
		Bandwidth	Modulation	RB size	RB offset	Channel 40215	Channel 40532	Channel 40848	Channel 41165
	15MHz	QPSK	1	0	9.38	9.53	9.31	9.46	10.70
1			38	9.96	9.69	9.85	9.56	10.70	
1			74	9.93	9.48	9.85	9.35	10.70	
36			0	10.01	9.87	9.90	9.93	10.70	
36			18	10.00	9.68	9.84	9.79	10.70	
36			39	9.83	9.52	9.86	9.54	10.70	
75			0	10.06	9.76	9.84	9.70	10.70	
16QAM		1	0	9.31	8.85	8.89	8.86	10.70	
		1	38	9.93	9.60	9.48	9.24	10.70	
		1	74	9.90	8.82	9.64	9.11	10.70	
		36	0	9.84	9.77	9.90	9.90	10.70	
		36	18	9.83	9.56	9.73	9.52	10.70	
		36	39	9.90	9.59	9.86	9.43	10.70	
		75	0	9.88	9.67	9.81	9.53	10.70	
64QAM		1	0	9.41	9.54	8.76	9.11	10.70	
		1	38	9.95	9.65	9.60	9.29	10.70	
		1	74	10.01	9.37	10.05	9.24	10.70	
		36	0	9.86	9.81	9.72	9.73	10.70	
		36	18	9.73	9.88	9.77	9.41	10.70	
		36	39	9.83	9.65	9.69	9.50	10.70	
		75	0	9.91	9.64	9.65	9.36	10.70	
Bandwidth	Modulation	RB size	RB offset	Channel 40240	Channel 40540	Channel 40840	Channel 41140	Tune up	
20MHz	QPSK	1	0	9.72	9.70	9.28	9.61	10.70	
		1	50	9.23	9.54	9.36	9.14	10.70	
		1	99	10.17	9.77	10.38	9.78	10.70	

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		50	0	10.17	10.07	10.04	9.96	10.70
		50	25	9.95	9.56	10.01	9.54	10.70
		50	50	9.98	9.63	9.74	9.74	10.70
		100	0	9.94	9.68	9.84	9.62	10.70
	16QAM	1	0	9.86	9.55	9.12	9.72	10.70
		1	50	10.38	10.01	9.42	9.25	10.70
		1	99	10.09	9.69	9.97	9.64	10.70
		50	0	10.07	9.74	9.75	9.79	10.70
		50	25	9.78	9.55	9.58	9.39	10.70
		50	50	9.93	9.44	9.71	9.50	10.70
		100	0	10.17	9.92	9.71	9.52	10.70
		64QAM	1	0	9.57	9.31	9.28	9.41
	1		50	9.72	9.12	9.03	8.95	10.70
	1		99	10.15	9.68	10.15	9.55	10.70
	50		0	10.04	9.70	9.64	9.88	10.70
	50		25	9.76	9.52	9.51	9.70	10.70
	50		50	9.76	9.41	9.72	9.55	10.70
	100		0	9.83	9.63	9.65	9.57	10.70

LTE Band 41 Receiver off + WiFi5G Ant1/Ant2/MIMO/Receiver off + BT + WiFi5G Ant1/Ant2/MIMO/Receiver off + hotspot 5G				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40165	40515	40865	41215	
5MHz	QPSK	1	0	12.60	12.35	12.61	12.11	13.70
		1	13	12.59	12.67	12.46	12.16	13.70
		1	24	12.50	12.16	12.37	12.05	13.70
		12	0	12.62	12.19	12.39	12.19	13.70
		12	6	12.35	12.18	12.62	11.92	13.70
		12	13	12.48	12.15	12.26	11.98	13.70
		25	0	12.48	12.14	12.26	12.06	13.70
	16QAM	1	0	12.58	12.56	12.16	12.14	13.70
		1	13	12.75	12.26	12.48	11.94	13.70
		1	24	12.44	12.15	12.78	12.06	13.70
		12	0	12.47	12.49	12.18	12.05	13.70
		12	6	12.49	12.08	12.08	11.90	13.70
		12	13	12.37	12.09	12.14	11.89	13.70
		25	0	12.43	12.20	12.20	12.01	13.70
	64QAM	1	0	12.77	12.51	12.66	12.50	13.70
		1	13	13.01	12.50	12.54	12.16	13.70
		1	24	12.58	12.35	12.47	12.15	13.70
		12	0	12.36	12.52	12.36	11.94	13.70
		12	6	12.48	12.12	12.38	11.93	13.70
		12	13	12.47	12.13	12.20	11.88	13.70
		25	0	12.30	12.14	12.52	12.06	13.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40190	40523	40857	41190	
10MHz	QPSK	1	0	12.02	12.00	12.12	12.25	13.70
		1	25	12.40	12.18	12.64	12.46	13.70
		1	49	12.61	11.95	12.41	12.13	13.70
		25	0	12.55	12.52	12.29	11.93	13.70
		25	13	12.49	12.43	12.28	11.97	13.70
		25	25	12.50	12.01	12.37	11.99	13.70
		50	0	12.55	12.07	12.32	12.10	13.70
	16QAM	1	0	11.84	11.99	12.03	11.96	13.70
		1	25	12.13	12.21	12.77	11.98	13.70
		1	49	12.85	12.13	12.48	12.05	13.70
		25	0	12.47	12.17	12.29	12.38	13.70
		25	13	12.38	12.09	12.25	12.15	13.70
		25	25	12.43	12.11	12.27	12.24	13.70
		50	0	12.47	12.05	12.28	12.06	13.70
	64QAM	1	0	12.41	12.04	12.06	12.25	13.70
		1	25	12.12	11.72	11.71	12.08	13.70
		1	49	12.77	11.77	12.28	12.14	13.70
		25	0	12.37	12.34	12.32	12.11	13.70
		25	13	12.49	12.27	12.41	12.39	13.70
		25	25	12.47	12.10	12.38	12.13	13.70
		50	0	12.28	11.93	12.14	12.11	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	11.95	11.95	12.09	12.04	13.70
		1	38	12.83	12.52	12.57	12.20	13.70
		1	74	12.61	11.70	12.59	12.07	13.70
		36	0	12.65	12.67	12.31	12.51	13.70
		36	18	12.29	12.29	12.17	11.97	13.70
		36	39	12.33	12.08	12.28	12.10	13.70
		75	0	12.35	12.15	12.53	12.26	13.70
	16QAM	1	0	11.95	12.21	12.22	12.05	13.70
		1	38	13.06	12.17	12.39	12.20	13.70
		1	74	12.87	12.06	12.20	12.26	13.70
		36	0	12.46	12.29	12.33	12.35	13.70
		36	18	12.67	12.21	12.34	11.80	13.70
		36	39	12.69	11.74	12.39	12.18	13.70
		75	0	12.26	11.95	12.31	11.86	13.70
	64QAM	1	0	11.75	11.70	11.76	12.12	13.70
		1	38	12.65	12.30	12.51	12.36	13.70
		1	74	12.72	12.19	12.71	12.06	13.70
		36	0	12.53	12.45	12.22	12.60	13.70
		36	18	12.50	12.25	12.55	12.39	13.70
		36	39	12.56	12.15	12.43	12.26	13.70
		75	0	12.28	11.98	12.20	11.94	13.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40240	40540	40840	41140	
20MHz	QPSK	1	0	12.32	12.17	11.72	12.20	13.70
		1	50	12.72	12.30	12.34	12.30	13.70
		1	99	12.57	12.42	12.65	12.31	13.70
		50	0	12.80	12.48	12.41	12.49	13.70
		50	25	12.64	12.29	12.52	12.02	13.70
		50	50	12.63	11.91	12.41	12.11	13.70
		100	0	12.83	12.30	12.46	12.40	13.70
	16QAM	1	0	12.27	12.43	12.06	12.13	13.70
		1	50	12.76	11.87	12.15	12.31	13.70
		1	99	13.07	12.38	12.79	12.38	13.70
		50	0	12.72	12.36	12.11	12.36	13.70
		50	25	12.58	12.26	12.42	11.91	13.70
		50	50	12.36	11.85	12.61	12.38	13.70
		100	0	12.72	12.18	12.22	12.34	13.70
	64QAM	1	0	12.13	12.14	11.83	12.25	13.70
		1	50	11.81	11.71	12.33	12.31	13.70
		1	99	12.64	12.20	12.65	12.12	13.70
		50	0	12.78	12.19	12.20	12.37	13.70
		50	25	12.60	12.09	12.15	12.30	13.70
		50	50	12.67	12.01	12.16	12.31	13.70
		100	0	12.72	12.15	12.47	12.03	13.70

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8.1.3 Conducted Power of Downlink and Uplink LTE CA

In this section, the following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A. Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive, therefore SAR evaluation with downlink carrier aggregation can be excluded.

Power test equipment: R&S Radio Communication Tester CMU500 and/or Anritsu Radio Communication Analyzer MT8821C

The device supports Rel. 11 downlink only LTE Carrier Aggregation and certain network enhancement features (UE Category: cat 5). It supports a maximum of 2 carriers in the downlink. Other Release 11 or higher features are not supported, including Uplink Carrier Aggregation, Enhanced SC-FDMA and Uplink MIMO or other antenna diversity configurations etc.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101. The detailed conducted power measurement results of downlink LTE CA are provided in the SAR report per 3GPP TS 36.521. According to KDB 941225 D05A, the downlink only carrier aggregation conditions for this device can be excluded from SAR testing and PAG requirements.

Intra-band contiguous

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Initial Conditions								
Test Environment as specified in TS 36.508[7] subclause 4.1				NC, TL/VL, TL/VH, TH/VL, TH/VH				
Test Frequencies as specified in TS 36.508 [7] subclause 4.3.1 for different CA bandwidth classes, and PCC and SCCs are mapped onto physical frequencies according to Table 6.1-2.				C: Mid range				
Test CC Combination setting (N_{RB_agg}) as specified in subclause 5.4.2A.1 for the CA Configuration across bandwidth combination sets supported by the UE.				Lowest N_{RB_agg} Highest N_{RB_agg} (Note 2)				
Test Parameters for CA Configurations								
CA Configuration / N_{RB_agg}		DL Allocation	CC MOD	UL Allocation				
PCC N_{RB}	SCCs N_{RB}	PCC & SCC RB allocation		N_{RB_alloc}	PCC & SCC RB allocations (L_{CRB} @ RB_{start})			
75	75	N/A for this test	QPSK	16	P_16@0	S_0@0	-	-
100	25		QPSK	8	P_8@0	S_0@0	-	-
100	50		QPSK	12	P_12@0	S_0@0	-	-
100	100		QPSK	18	P_18@0	S_0@0	-	-
Note 1: CA Configuration Test CC Combination settings are checked separately for each CA Configuration, which applicable aggregated channel bandwidths are specified in Table 5.4.2A.1-1								
Note 2: If in the CA Configuration UE supports multiple CC Combinations with the same N_{RB_agg} , only the first of those is tested, according to the order on the Test Configuration Table list.								

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Inter-band

Initial Conditions									
Test Environment as specified in TS 36.508[7] subclause 4.1				NC, TL/VL, TL/VH, TH/VL, TH/VH					
Test Frequencies as specified in TS 36.508 [7] subclause 4.3.1 for different CA bandwidth classes.				A: Mid range PCC-SCC: CC1-CC2					
Test CC Combination setting (N _{RB_agg}) as specified in subclause 5.4.2A.1-2 for the CA Configuration across bandwidth combination sets supported by the UE.				Lowest N _{RB_agg} Highest N _{RB_agg} (Note 2)					
Test Parameters for CA Configurations									
CA Configuration / N _{RB_agg}		DL Allocation		CC MOD	UL Allocation				
PCC N _{RB}	SCCs N _{RB}	PCC & SCC RB allocation			N _{RB_alloc}	PCC & SCC RB allocations (L _{CRB} @ RB _{start})			
6	25	N/A for this test		QPSK	13	P_5@0	S_8@0	-	-
6	50			QPSK	17	P_5@0	S_12@0	-	-
25	15			QPSK	12	P_8@0	S_5@0	-	-
25	25			QPSK	16	P_8@0	S_8@0	-	-
25	50			QPSK	20	P_8@0	S_12@0	-	-
50	25			QPSK	20	P_12@0	S_8@0	-	-
50	50			QPSK	24	P_12@0	S_12@0	-	-
50	100			QPSK	30	P_12@0	S_18@0	-	-
75	75			QPSK	32	P_16@0	S_16@0	-	-
100	50			QPSK	30	P_18@0	S_12@0	-	-
100	75			QPSK	34	P_18@0	S_16@0	-	-
100	100			QPSK	36	P_18@0	S_18@0	-	-
Note 1: CA Configuration Test CC Combination settings are checked separately for each CA Configuration, which applicable aggregated channel bandwidths are specified in Table 5.4.2A.1-2. Note 2: If in the CA Configuration UE supports multiple CC Combinations with the same N _{RB_agg} , only the first of those is tested, according to the order on the Test Configuration Table list.									

The conducted power measurement results of downlink LTE CA Conducted Power are as below, so the downlink only carrier aggregation conditions for this device can be excluded from SAR testing

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8.1.3.1 Conducted Power of Downlink LTE CA:

Downlink LTE CA Conducted Power of Main Antenna

2CC-Intraband(Contiguous)-ANT1

Full Power												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	23.20	23.16
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	23.34	23.38
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	22.82	22.86
CA_12C	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	22.96	22.91
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	22.97	22.92
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	22.23	22.29
Hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	18.26	18.2
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	19.86	19.82
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	21.29	21.38
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	20.51	20.54
Receiver off, Sar sensor on, Power level D1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	21.45	21.38
CA_7C	Band 7	20M	2560	21350	50	50	Band 7	20M	2660.2	3152	21.48	21.42

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4x4MIMO-ANT1

Full Power ANT1													
Configure	PCC						SCC1				DL Antenna Configuration	Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel		LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA-7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	4*4MIMO	23.34	23.38
CA-38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	4*4MIMO	22.97	22.92
CA-41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	4*4MIMO	22.25	22.29

Interband-ANT1

Full Power ANT1												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	23.20	23.16
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.34	23.38
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	23.20	23.16
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	23.20	23.16
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	23.56	23.62
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.34	23.38
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	23.56	23.62
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	23.56	23.62
	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	23.34	23.38
Inter-band	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	22.82	22.86
	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	22.82	22.86

Hotspot 2.4G												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	18.26	18.2
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.34	23.38
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	18.26	18.2
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	18.26	18.2
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	19.61	19.68
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.34	23.38
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	19.61	19.68
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	19.61	19.68
	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	23.34	23.38
Inter-band	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	19.86	19.82
	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	19.86	19.82

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Receiver off, Sar sensor on, Power level D1												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	21.45	21.38
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.34	23.38
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	21.45	21.38
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	21.45	21.38
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	19.61	19.68
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.34	23.38
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	19.61	19.68
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	19.61	19.68
	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	23.34	23.38
	Band 7	20M	2560	21350	50	50	Band 5	10M	874	2450	21.48	21.42
Band 7	20M	2560	21350	50	50	Band 12	10M	741	5130	21.48	21.42	

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Downlink LTE CA Conducted Power of Second Antenna 2CC-Intraband(Contiguous)-ANT2

Receiver on(Left head)												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	17.58	17.68
CA_5B	Band 5	10M	829	20450	25	25	Band 5	10M	883.9	2549	19.74	19.69
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	15.95	15.89
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	20.83	20.79
CA_38C	Band 38	20M	2580	37850	1	0	Band 38	20M	2599.8	38048	16.85	16.94
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	15.66	15.71
Receiver on(Right head)												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.55	15.65
CA_5B	Band 5	10M	829	20450	25	13	Band 5	10M	883.9	2549	19.67	19.62
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	14.95	14.89
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	20.29	20.25
CA_38C	Band 38	20M	2610	38150	50	50	Band 38	20M	2590.2	37952	16.17	16.1
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	15.28	15.3
Receiver off (body or limbs)												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	100	0	Band 2	20M	1879.8	18898	21.16	21.07
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	23.62	23.71
CA_7C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649.8	3048	18.37	18.28
CA_12C	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	23.16	23.19
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	19.20	19.2
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	17.75	17.78

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Receiver off (body or limbs) + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	18.33	18.37
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	20.63	20.58
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	15.34	15.3
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	19.98	20.08
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	16.34	16.29
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	15.29	15.3

Receiver off (body or limbs) + hotspot 5G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	16.18	16.14
CA_5B	Band 5	10M	829	20450	25	0	Band 5	10M	883.9	2549	18.58	18.56
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.24	13.23
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.06	18.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	14.15	14.19
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	13.06	13.07

Receiver on(Left head) + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	0	Band 2	20M	1960.2	902	14.41	14.37
CA_5B	Band 5	10M	844	20600	1	25	Band 5	10M	879.1	2501	17.48	17.43
CA_7C	Band 7	20M	2560	21350	1	50	Band 7	20M	3152	14.95	12.61	12.65
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	17.59	17.63
CA_38C	Band 38	20M	2610	38150	50	50	Band 38	20M	2590.2	37952	13.76	13.74
CA_41C	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	12.79	12.82

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Receiver on(Right head) + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	12.25	12.35
CA_5B	Band 5	10M	829	20450	1	25	Band 5	10M	883.9	2549	16.75	16.69
CA_7C	Band 7	20M	2510	20850	1	50	Band 7	20M	2649.8	3048	11.64	11.6
CA_12C	Band 12	5M	711	23130	50	0	Band 12	10M	733.8	5058	17.13	17.1
CA_38C	Band 38	20M	2610	38150	1	25	Band 38	20M	2590.2	37952	12.80	12.78
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	12.29	12.32
Receiver on(Left head) + hotspot 5G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	12.33	12.36
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	14.68	14.59
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	3152	14.95	10.44	10.53
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.70	15.61
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	11.82	11.85
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	10.88	10.91
Receiver on(Right head) + hotspot 5G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	0	Band 2	20M	1960.2	902	10.36	10.36
CA_5B	Band 5	10M	829	20450	25	13	Band 5	10M	883.9	2549	14.53	14.48
CA_7C	Band 7	20M	2560	21350	50	0	Band 7	20M	3152	14.95	9.84	9.93
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.11	15.09
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	10.77	10.78
CA_41C	Band 41	20M	2555	40240	1	50	Band 41	20M	2574.8	40438	20.35	10.38

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Receiver on(Left head) + BT												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	50	Band 2	20M	1960.2	902	15.37	15.33
CA_5B	Band 5	10M	844	20600	25	25	Band 5	10M	879.1	2501	17.47	17.45
CA_7C	Band 7	20M	2510	20850	1	50	Band 7	20M	2649.8	3048	13.69	13.68
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.55	18.59
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	14.80	14.84
CA_41C	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	13.93	13.97
Receiver on(Right head) + BT												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	13.37	13.39
CA_5B	Band 5	10M	829	20450	25	0	Band 5	10M	883.9	2549	17.40	17.49
CA_7C	Band 7	20M	2510	20850	50	0	Band 7	20M	2649.8	3048	12.47	12.43
CA_12C	Band 12	5M	711	23130	1	0	Band 12	10M	733.8	5058	18.13	18.07
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	13.98	13.92
CA_41C	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	12.78	12.82
Receiver off (body or limbs) + BT												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	0	Band 2	20M	1960.2	902	18.96	18.9
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	21.51	21.54
CA_7C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649.8	3048	16.01	15.92
CA_12C	Band 12	5M	711	23130	50	0	Band 12	10M	733.8	5058	21.02	21.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	16.95	16.88
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	15.70	15.71

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Receiver on(Left head) + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	99	Band 2	20M	1960.2	902	14.47	14.45
CA_5B	Band 5	10M	829	20450	50	0	Band 5	10M	883.9	2549	16.45	16.46
CA_7C	Band 7	20M	2510	20850	100	0	Band 7	20M	2649.8	3048	12.30	12.39
CA_12C	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	17.70	17.65
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	14.06	14.06
CA_41C	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	12.76	12.82

Receiver on(Right head) + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.54	12.58
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	16.51	16.49
CA_7C	Band 7	20M	2560	21350	1	50	Band 7	20M	2660.2	3152	11.65	11.62
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	17.05	17.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	12.90	12.94
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	12.26	12.32

Receiver off (body or limbs) + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	17.87	17.85
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	20.61	20.51
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	15.03	14.95
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	20.06	20.02
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	15.78	15.83
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	15.28	15.3

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Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.27	12.37
CA_5B	Band 5	10M	829	20450	1	50	Band 5	10M	883.9	2549	14.48	14.44
CA_7C	Band 7	20M	2560	21350	1	0	Band 7	20M	2660.2	3152	10.59	10.49
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.53	15.61
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	11.78	11.77
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	10.88	10.91
Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	10.41	10.39
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	14.58	14.66
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	9.79	9.87
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.16	15.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	10.71	10.8
CA_41C	Band 41	20M	2555	40240	1	50	Band 41	20M	2574.8	40438	10.29	10.38
Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.78	15.8
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	18.48	18.52
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.09	12.99
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.20	18.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	13.82	13.86
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	13.05	13.07

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Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.31	12.37
CA_5B	Band 5	10M	829	20450	1	50	Band 5	10M	883.9	2549	14.40	14.44
CA_7C	Band 7	20M	2560	21350	1	0	Band 7	20M	2660.2	3152	10.54	10.49
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.60	15.61
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	11.73	11.77
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	10.89	10.91

Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	10.47	10.39
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	14.72	14.66
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	9.80	9.87
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.12	15.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	10.71	10.8
CA_41C	Band 41	20M	2555	40240	1	50	Band 41	20M	2574.8	40438	10.37	10.38

Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.90	15.8
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	18.52	18.52
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.00	12.99
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.14	18.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	13.80	13.86
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	13.06	13.07

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Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	99	Band 2	20M	1960.2	902	14.39	14.45
CA_5B	Band 5	10M	829	20450	50	0	Band 5	10M	883.9	2549	16.42	16.46
CA_7C	Band 7	20M	2510	20850	100	0	Band 7	20M	2649.8	3048	12.39	12.39
CA_12C	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	17.74	17.65
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	14.12	14.06
CA_41C	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	12.79	12.82

Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.56	12.58
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	16.50	16.49
CA_7C	Band 7	20M	2560	21350	1	50	Band 7	20M	2660.2	3152	11.66	11.62
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	17.01	17.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	12.96	12.94
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	12.31	12.32

Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.79	15.8
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	18.56	18.52
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.04	12.99
CA_12C	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.06	18.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	13.84	13.86
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	15.27	15.3

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4x4MIMO-ANT2

Full Power ANT2													
Configure	PCC						SCC1				DL Antenna Configuration	Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel		LTE Rel 10 Tx.Power (dBm)	LTE Rel 8 Tx.Power (dBm)
CA-7C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649.8	3048	4*4MIMO	22.78	22.76
CA-38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	4*4MIMO	23.08	23.12
CA-41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	4*4MIMO	17.71	17.78

Interband-ANT2

Full Power ANT2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power (dBm)	LTE Rel 8 Tx.Power (dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	23.67	23.63
	Band 5	10M	829	20450	1	0	Band 2	20	700	1940	23.72	23.71
	Band 2	20M	1860	18700	1	0	Band 12	10M	739	5780	23.67	23.63
	Band 2	20M	1860	18700	1	0	Band 17	10M	739	5780	23.67	23.63
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	23.94	23.98
	Band 5	10M	829	20450	1	0	Band 4	20	2120	2050	23.72	23.71
	Band 4	20M	1720	20050	1	0	Band 12	10M	739	5780	23.94	23.98
	Band 4	20M	1720	20050	1	0	Band 17	10M	739	5780	23.94	23.98
	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	23.72	23.71
Inter-band	Band 7	20M	2510	20850	1	99	Band 5	10M	874	2450	22.78	22.76
	Band 7	20M	2510	20850	1	99	Band 12	10M	739	5780	22.78	22.76

Receiver on(Left head) ANT2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power (dBm)	LTE Rel 8 Tx.Power (dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	17.58	17.68
	Band 5	10M	829	20450	25	25	Band 2	20	700	1940	19.74	19.69
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	17.58	17.68
	Band 2	20M	1860	18700	1	0	Band 17	10M	739	5780	17.58	17.68
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	20.42	20.47
	Band 5	10M	829	20450	25	25	Band 4	20	2120	2050	19.74	19.69
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	20.42	20.47
	Band 4	20M	1720	20050	1	0	Band 17	10M	739	5780	20.42	20.47
	Band 5	10M	829	20450	25	25	Band 7	20M	2630	2850	19.74	19.69
Inter-band	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	15.95	15.89
	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	15.95	15.89

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Receiver on(Right head) ANT2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.55	15.65
	Band 5	10M	829	20450	25	13	Band 2	20	700	1940	19.67	19.62
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	15.55	15.65
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.55	15.65
	Band 4	20M	1720	20050	50	25	Band 5	10M	874	2450	17.94	17.98
	Band 5	10M	829	20450	25	13	Band 4	20	2120	2050	19.67	19.62
	Band 4	20M	1720	20050	50	25	Band 12	10M	741	5130	17.94	17.98
	Band 4	20M	1720	20050	50	25	Band 17	10M	741	5800	17.94	17.98
	Band 5	10M	829	20450	25	13	Band 7	20M	2630	2850	19.67	19.62
Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	14.95	14.89	
Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	14.95	14.89	
Receiver off (body or limbs) ANT2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	100	0	Band 5	10M	874	2450	21.16	21.07
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.62	23.71
	Band 2	20M	1860	18700	100	0	Band 12	10M	741	5130	21.16	21.07
	Band 2	20M	1860	18700	100	0	Band 17	10M	739	5780	21.16	21.07
	Band 4	20M	829	20450	50	0	Band 5	10M	874	2450	21.52	21.48
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.62	23.71
	Band 4	20M	829	20450	50	0	Band 12	10M	741	5130	21.52	21.48
	Band 4	20M	829	20450	50	0	Band 17	10M	739	5780	21.52	21.48
	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	23.62	23.71
Band 7	20M	2510	20850	1	99	Band 5	10M	874	2450	18.37	18.28	
Band 7	20M	2510	20850	1	99	Band 12	10M	741	5130	18.37	18.28	

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Receiver off (body or limbs) + hotspot 2.4G ANT2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	18.33	18.37
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	20.63	20.58
	Band 2	20M	1860	18700	1	50	Band 12	10M	741	5130	18.33	18.37
	Band 2	20M	1860	18700	1	50	Band 17	10M	739	5780	18.33	18.37
	Band 4	20M	1720	20050	50	0	Band 5	10M	874	2450	18.44	18.49
	Band 5	10M	1720	20450	1	0	Band 4	20M	2120	2050	20.63	20.58
	Band 4	20M	1860	20050	50	0	Band 12	10M	741	5130	18.44	18.49
	Band 4	20M	1720	20050	50	0	Band 17	10M	739	5780	18.44	18.49
	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	20.63	20.58
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	15.34	15.3	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	15.34	15.3	
Receiver off (body or limbs) + hotspot 5G ANT2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	16.18	16.14
	Band 5	10M	829	20450	25	0	Band 2	20M	700	1940	18.58	18.56
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	16.18	16.14
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	16.18	16.14
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.42	16.49
	Band 5	10M	1720	20450	25	0	Band 4	20M	2120	2050	18.58	18.56
	Band 4	20M	1860	20050	1	0	Band 12	10M	741	5130	16.42	16.49
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.42	16.49
	Band 5	10M	829	20450	25	0	Band 7	20M	2630	2850	18.58	18.56
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.24	13.23	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.24	13.23	

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Receiver on(Left head) + hotspot 2.4G												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1900	19100	1	0	Band 5	10M	889	2600	14.41	14.37
	Band 5	10M	844	20600	1	25	Band 2	20M	1980	1100	17.48	17.43
	Band 2	20M	1900	19100	1	0	Band 12	10M	741	5130	14.41	14.37
	Band 2	20M	1900	19100	1	0	Band 17	10M	741	5800	14.41	14.37
	Band 4	20M	1720	20050	1	0	Band 5	10M	889	2600	17.39	17.43
	Band 5	10M	844	20600	1	25	Band 4	20M	2120	2050	17.48	17.43
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	17.39	17.43
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	17.39	17.43
	Band 5	10M	844	20600	1	25	Band 7	20M	2680	3350	17.48	17.43
Band 7	20M	2560	21350	1	50	Band 5	10M	889	2600	12.61	12.65	
Band 7	20M	2560	21350	1	50	Band 12	10M	741	5130	12.61	12.65	
Receiver on(Right head) + hotspot 2.4G												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	12.25	12.35
	Band 5	10M	829	20450	1	25	Band 2	20M	700	1940	16.75	16.69
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	12.25	12.35
	Band 2	20M	1860	18700	1	0	Band 17	10M	739	5780	12.25	12.35
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	14.79	14.83
	Band 5	10M	829	20450	1	25	Band 4	20M	2120	2050	16.75	16.69
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	14.79	14.83
	Band 4	20M	1720	20050	1	0	Band 17	10M	739	5780	14.79	14.83
	Band 5	10M	829	20450	1	25	Band 7	20M	2630	2850	16.75	16.69
Band 7	20M	2510	20850	1	50	Band 5	10M	874	2450	11.64	11.6	
Band 7	20M	2510	20850	1	50	Band 12	10M	741	5130	11.64	11.6	

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Receiver on(Left head) + hotspot 5G												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	12.33	12.36
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	14.68	14.59
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	12.33	12.36
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	12.33	12.36
	Band 4	20M	1720	20050	50	0	Band 5	10M	874	2450	15.32	15.37
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	14.68	14.59
	Band 4	20M	1720	20050	50	0	Band 12	10M	741	5130	15.32	15.37
	Band 4	20M	1720	20050	50	0	Band 17	10M	741	5800	15.32	15.37
	Band 5	10M	829	20450	1	0	Band 7	20M	2560	3350	14.68	14.59
Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	10.44	10.53	
Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	10.44	10.53	
Receiver on(Right head) + hotspot 5G												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1900	19100	1	0	Band 5	10M	874	2450	10.36	10.36
	Band 5	10M	829	20450	25	13	Band 2	20M	1980	1100	14.53	14.48
	Band 2	20M	1900	19100	1	0	Band 12	10M	741	5130	10.36	10.36
	Band 2	20M	1900	19100	1	0	Band 17	10M	741	5800	10.36	10.36
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	11.86	12.91
	Band 5	10M	829	20450	25	13	Band 4	20M	2120	2050	14.53	14.48
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	11.86	12.91
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	11.86	12.91
	Band 5	10M	829	20450	25	13	Band 7	20M	2560	3350	14.53	14.48
Band 7	20M	2560	21350	50	0	Band 5	10M	874	2450	9.84	9.93	
Band 7	20M	2560	21350	50	0	Band 12	10M	741	5130	9.84	9.93	

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Receiver on(Left head) + BT												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1900	19100	1	50	Band 5	10M	874	2450	15.37	15.33
	Band 5	10M	844	20600	25	25	Band 2	20M	1980	1100	17.47	17.45
	Band 2	20M	1900	19100	1	50	Band 12	10M	741	5130	15.37	15.33
	Band 2	20M	1900	19100	1	50	Band 17	10M	741	5800	15.37	15.33
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	15.94	15.95
	Band 5	10M	844	20600	25	25	Band 4	20M	2120	2050	17.47	17.45
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	15.94	15.95
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	15.94	15.95
	Band 5	10M	844	20600	25	25	Band 7	20M	2630	2850	17.47	17.45
Band 7	20M	2510	20850	1	50	Band 5	10M	874	2450	13.69	13.68	
Band 7	20M	2510	20850	1	50	Band 12	10M	741	5130	13.69	13.68	
Receiver on(Right head) + BT												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	13.37	13.39
	Band 5	10M	829	20450	25	0	Band 2	20M	700	1940	17.40	17.49
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	13.37	13.39
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	13.37	13.39
	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	15.81	15.76
	Band 5	10M	829	20450	25	0	Band 4	20M	2120	2050	17.40	17.49
	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	15.81	15.76
	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	15.81	15.76
	Band 5	10M	829	20450	25	0	Band 7	20M	2630	2850	17.40	17.49
Band 7	20M	2510	20850	50	0	Band 5	10M	874	2450	12.47	12.43	
Band 7	20M	2510	20850	50	0	Band 12	10M	741	5130	12.47	12.43	

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Receiver off (body or limbs) + BT												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1900	19100	1	0	Band 5	10M	874	2450	18.96	18.9
	Band 5	10M	829	20450	1	0	Band 2	20M	1980	1100	21.51	21.54
	Band 2	20M	1900	19100	1	0	Band 12	10M	741	5130	18.96	18.9
	Band 2	20M	1900	19100	1	0	Band 17	10M	741	5800	18.96	18.9
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	19.42	19.46
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	21.51	21.54
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	19.42	19.46
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	19.42	19.46
	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	21.51	21.54
Band 7	20M	2510	20850	1	99	Band 5	10M	874	2450	16.01	15.92	
Band 7	20M	2510	20850	1	99	Band 12	10M	741	5130	16.01	15.92	
Receiver on(Left head) + WiFi.4G Ant1												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1900	19100	1	99	Band 5	10M	874	2450	14.47	14.45
	Band 5	10M	829	20450	50	0	Band 2	20M	1980	1100	16.45	16.46
	Band 2	20M	1900	19100	1	99	Band 12	10M	741	5130	14.47	14.45
	Band 2	20M	1900	19100	1	99	Band 17	10M	741	5800	14.47	14.45
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	17.31	17.35
	Band 5	10M	829	20450	50	0	Band 4	20M	2120	2050	16.45	16.46
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	17.31	17.35
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	17.31	17.35
	Band 5	10M	829	20450	50	0	Band 7	20M	2630	2850	16.45	16.46
Band 7	20M	2510	20850	100	0	Band 5	10M	874	2450	12.30	12.39	
Band 7	20M	2510	20850	100	0	Band 12	10M	741	5130	12.30	12.39	

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Receiver on(Right head) + WiFi.4G Ant1												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.54	12.58
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	16.51	16.49
	Band 2	20M	1860	18700	1	50	Band 12	10M	741	5130	12.54	12.58
	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.54	12.58
	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	14.92	14.98
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	16.51	16.49
	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	14.92	14.98
	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	14.92	14.98
	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	16.51	16.49
Band 7	20M	2560	21350	1	50	Band 5	10M	874	2450	11.65	11.62	
Band 7	20M	2560	21350	1	50	Band 12	10M	741	5130	11.65	11.62	
Receiver off (body or limbs) + WiFi.4G Ant1												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	17.87	17.85
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	20.61	20.51
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	17.87	17.85
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	17.87	17.85
	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	18.39	18.44
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	20.61	20.51
	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	18.39	18.44
	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	18.39	18.44
	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	20.61	20.51
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	15.03	14.95	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	15.03	14.95	

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Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.27	12.37
	Band 5	10M	829	20450	1	50	Band 2	20M	700	1940	14.48	14.44
	Band 2	20M	1860	18700	1	50	Band 12	10M	741	5130	12.27	12.37
	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.27	12.37
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	15.39	15.43
	Band 5	10M	829	20450	1	50	Band 4	20M	2120	2050	14.48	14.44
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	15.39	15.43
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	15.39	15.43
	Band 5	10M	829	20450	1	50	Band 7	20M	2680	3350	14.48	14.44
Band 7	20M	2560	21350	1	0	Band 5	10M	874	2450	10.59	10.49	
Band 7	20M	2560	21350	1	0	Band 12	10M	741	5130	10.59	10.49	
Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	10.41	10.39
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	14.58	14.66
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	10.41	10.39
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	10.41	10.39
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	12.92	12.97
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	14.58	14.66
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	12.92	12.97
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	12.92	12.97
	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	14.58	14.66
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	9.79	9.87	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	9.79	9.87	

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Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.78	15.8
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	18.48	18.52
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	15.78	15.8
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.78	15.8
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	18.48	18.52
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	16.36	16.4
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	18.48	18.52
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.09	12.99	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.09	12.99	
Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.27	12.37
	Band 5	10M	829	20450	1	50	Band 2	20M	700	1940	14.48	14.44
	Band 2	20M	1860	18700	1	50	Band 12	10M	741	5130	12.27	12.37
	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.27	12.37
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	15.39	15.43
	Band 5	10M	829	20450	1	50	Band 4	20M	2120	2050	14.48	14.44
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	15.39	15.43
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	15.39	15.43
	Band 5	10M	829	20450	1	50	Band 7	20M	2680	3350	14.48	14.44
Band 7	20M	2560	21350	1	0	Band 5	10M	874	2450	10.59	10.49	
Band 7	20M	2560	21350	1	0	Band 12	10M	741	5130	10.59	10.49	

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Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	10.41	10.39
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	14.58	14.66
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	10.41	10.39
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	10.41	10.39
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	12.92	12.97
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	14.58	14.66
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	12.92	12.97
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	12.92	12.97
	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	14.58	14.66
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	9.79	9.87	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	9.79	9.87	
Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.78	15.8
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	18.48	18.52
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	15.78	15.8
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.78	15.8
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	18.48	18.52
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	16.36	16.4
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	18.48	18.52
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.09	12.99	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.09	12.99	

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Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1900	19100	1	99	Band 5	10M	874	2450	14.47	14.45
	Band 5	10M	829	20450	50	0	Band 2	20M	1980	1100	16.45	16.46
	Band 2	20M	1900	19100	1	99	Band 12	10M	741	5130	14.47	14.45
	Band 2	20M	1900	19100	1	99	Band 17	10M	741	5800	14.47	14.45
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	17.31	17.35
	Band 5	10M	829	20450	50	0	Band 4	20M	2120	2050	16.45	16.46
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	17.31	17.35
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	17.31	17.35
	Band 5	10M	829	20450	50	0	Band 7	20M	2630	2850	16.45	16.46
Band 7	20M	2510	20850	100	0	Band 5	10M	874	2450	12.30	12.39	
Band 7	20M	2510	20850	100	0	Band 12	10M	741	5130	12.30	12.39	
Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.54	12.58
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	16.51	16.49
	Band 2	20M	1860	18700	1	50	Band 12	10M	741	5130	12.54	12.58
	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.54	12.58
	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	14.92	14.98
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	16.51	16.49
	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	14.92	14.98
	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	14.92	14.98
	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	16.51	16.49
Band 7	20M	2560	21350	1	50	Band 5	10M	874	2450	11.65	11.62	
Band 7	20M	2560	21350	1	50	Band 12	10M	741	5130	11.65	11.62	
Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2												
Configure	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
Inter-band	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.78	15.8
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	18.48	18.52
	Band 2	20M	1860	18700	1	0	Band 12	10M	741	5130	15.78	15.8
	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.78	15.8
	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	18.48	18.52
	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	16.36	16.4
	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	18.48	18.52
Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.09	12.99	
Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.09	12.99	

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3CC-ANT1

Full Power ANT1																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	22.22	22.29
Hotspot on																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	20.51	20.54

3CC-ANT2

Receiver on(Left head)																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	15.68	15.71
Receiver on(Right head)																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	15.23	15.3
Receiver off (body or limbs)																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	17.75	17.78
Receiver off (body or limbs) + hotspot 2.4G																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	15.28	15.3
Receiver off (body or limbs) + hotspot 5G																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	13.05	13.07
Receiver on(Left head) + hotspot 2.4G																	
Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	
Intra-Band	Contiguous	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.81	12.82

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Receiver on(Right head) + hotspot 2.4G																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.28	12.32
Receiver on(Left head) + hotspot 5G																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	10.89	10.91
Receiver on(Right head) + hotspot 5G																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	50	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	10.35	10.38
Receiver on(Left head) + BT																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	13.95	13.97
Receiver on(Right head) + BT																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.81	12.82
Receiver off (body or limbs) + BT																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	15.68	15.71
Receiver on(Left head) + WiFi2.4G Ant1																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.81	12.82
Receiver on(Right head) + WiFi2.4G Ant1																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.29	12.32
Receiver off (body or limbs) + WiFi2.4G Ant1																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	15.27	15.3
Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	10.88	10.91
Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	50	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	10.35	10.38
Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO																	
Configure	PCC							SCC1				SCC2				Power	
	Intra-Band	Contiguous	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)
Intra-Band	Contiguous	Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	13.02	13.07

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Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO																		
Configure	Intra-Band	Contiguous	PCC				SCC1				SCC2				Power			
			LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
			Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	10.85	10.91
Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO																		
Configure	Intra-Band	Contiguous	PCC				SCC1				SCC2				Power			
			LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
			Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	10.35	10.38
Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO																		
Configure	Intra-Band	Contiguous	PCC				SCC1				SCC2				Power			
			LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
			Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	13.02	13.07
Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2																		
Configure	Intra-Band	Contiguous	PCC				SCC1				SCC2				Power			
			LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
			Band 41	20M	2555	40240	50	0	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.81	12.82
Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2																		
Configure	Intra-Band	Contiguous	PCC				SCC1				SCC2				Power			
			LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
			Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	12.3	12.32
Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2																		
Configure	Intra-Band	Contiguous	PCC				SCC1				SCC2				Power			
			LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
			Band 41	20M	2555	40240	1	99	Band 41	20M	2574.8	40438	Band 41	20M	2594.6	40636	15.26	15.3

Note: Testing is not required in bands or modes not intended/allowed for US operation.

According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

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8.1.3.2 Conducted Power of Uplink LTE CA:

Uplink LTE CA Conducted Power of Main Antenna

Combination	Modulation	PCC						SCC					Receiver on(Head Scene)/Receiver off		Hotspot		Receiver off, Sar sensor on, Power level D1	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Chann	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
CA 2C	QPSK	2	20	18700	1	99	700	2	20	18898	1	0	22.95	24.00	16.91	18.00	20.61	22.00
CA 2C	QPSK	2	20	18900	1	99	900	2	20	19098	1	0	22.78	24.00	16.79	18.00	20.55	22.00
CA 2C	QPSK	2	20	18900	1	0	900	2	20	18702	1	99	22.53	24.00	16.83	18.00	20.64	22.00
CA 2C	QPSK	2	20	19100	1	0	1100	2	20	18902	1	99	22.90	24.00	16.80	18.00	20.68	22.00

Combination	Modulation	PCC						SCC					Receiver on(Head Scene)/Receiver off		Hotspot on+sensor off		Receiver off, Sar sensor on, Power level D1	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Chann	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
CA 7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	21.78	22.80	17.29	18.30	18.52	19.80
CA 7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	21.45	22.80	17.19	18.30	18.16	19.80
CA 7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	21.86	22.80	17.54	18.30	18.81	19.80
CA 7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	20.83	22.80	16.78	18.30	18.33	19.80

Combination	Modulation	PCC						SCC					Receiver on(Head Scene)/Receiver off		Hotspot on+sensor off		Receiver off, Sar sensor on, Power level D1	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Chann	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
CA 38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0	21.98	23.00	18.51	19.50	21.98	23.00
CA 38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	21.78	23.00	18.49	19.50	21.78	23.00
CA 38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	21.56	23.00	18.50	19.50	21.56	23.00
CA 38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	21.46	23.00	18.52	19.50	21.46	23.00

Combination	Modulation	PCC						SCC					Receiver on(Head Scene)/Receiver off		Hotspot on+sensor off		Receiver off, Sar sensor on, Power level D1	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Chann	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
CA 41C	QPSK	41	20	40240	1	99	40240	41	20	40438	1	0	21.92	23.00	19.95	21.00	21.92	23.00
CA 41C	QPSK	41	20	40540	1	99	40540	41	20	40738	1	0	21.41	23.00	19.92	21.00	21.81	23.00
CA 41C	QPSK	41	20	40540	1	0	40540	41	20	40342	1	99	21.50	23.00	19.97	21.00	21.85	23.00
CA 41C	QPSK	41	20	40840	1	99	40840	41	20	41038	1	0	21.75	23.00	19.81	21.00	21.75	23.00
CA 41C	QPSK	41	20	40840	1	0	40840	41	20	40642	1	99	21.66	23.00	19.69	21.00	21.66	23.00
CA 41C	QPSK	41	20	41140	1	0	41140	41	20	40942	1	99	21.22	23.00	20.35	21.00	21.22	23.00

Uplink LTE CA Conducted Power of Second Antenna

Combination	Modulation	PCC						SCC					Receiver on(Left head)		Receiver on(Right head) /Receiver on(Left head) + BT		Receiver off		Receiver on(Right head) + BT		Receiver off + BT	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up (dBm)	Power	tune-up(dBm)	Power	tune-up (dBm)	Power	tune-up(dBm)	Power	tune-up (dBm)
CA 2C	QPSK	2	20	18700	1	99	700	2	20	18898	1	0	16.78	18.00	14.53	16.00	20.18	21.50	12.43	14.00	18.23	19.50
CA 2C	QPSK	2	20	18900	1	99	900	2	20	19098	1	0	17.57	18.00	15.61	16.00	21.26	21.50	13.63	14.00	19.24	19.50
CA 2C	QPSK	2	20	18900	1	0	900	2	20	18702	1	99	17.68	18.00	14.62	16.00	20.04	21.50	12.57	14.00	18.18	19.50
CA 2C	QPSK	2	20	19100	1	0	1100	2	20	18902	1	99	17.85	18.00	15.74	16.00	21.31	21.50	13.45	14.00	19.42	19.50

Combination	Modulation	PCC						SCC					Receiver on(Left head) + WiFi2.4G /Receiver on(Left head) + WiFi2.4G+ WiFi5G/Receiver on(Left head) + hotspot 2.4G		Receiver on(Right head) + WiFi2.4G /Receiver on(Left head) + BT + WiFi5G/Receiver on(Right head) + WiFi2.4G + WiFi5G /Receiver on(Right head) + hotspot 2.4G /Receiver on(Left head) + hotspot 5G		Receiver off + WiFi2.4G /Receiver off + WiFi2.4G+ WiFi5G/Receiver off + hotspot 2.4G		Receiver on(Right head) + WiFi5G /Receiver on(Right head) + BT + WiFi5G /Receiver on(Right head) + hotspot 5G		Receiver off + WiFi5G/Receiver off + BT + WiFi5G/Receiver off + hotspot 5G	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up (dBm)	Power	tune-up(dBm)	Power	tune-up (dBm)	Power	tune-up(dBm)	Power	tune-up (dBm)
CA 2C	QPSK	2	20	18700	1	99	700	2	20	18898	1	0	13.72	15.00	11.48	13.00	17.29	18.50	9.63	11.00	15.19	16.50
CA 2C	QPSK	2	20	18900	1	99	900	2	20	19098	1	0	14.68	15.00	12.52	13.00	17.18	18.50	10.56	11.00	16.15	16.50
CA 2C	QPSK	2	20	18900	1	0	900	2	20	18702	1	99	13.64	15.00	11.54	13.00	17.21	18.50	9.58	11.00	15.27	16.50
CA 2C	QPSK	2	20	19100	1	0	1100	2	20	18902	1	99	14.66	15.00	12.73	13.00	18.42	18.50	10.76	11.00	16.35	16.50

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Combination	Modulation	PCC					SCC					Receiver on(Left head) /Receiver off + WiFi2.4G/Receiver off + WiFi2.4G + WiFi5G /Receiver off + hotspot 2.4G		Receiver on(Right head)		Receiver off		Receiver on(Left head) + BT		Receiver on(Right head) + BT /Receiver on (left head)+wifi 2.4G/Receiver on(Left head) + WiFi2.4G + WiFi5G /Receiver on(Left head) + hotspot 2.4G/Receiver on(Left head) + hotspot 2.4G		Receiver off + BT				
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	14.45	15.30	13.42	14.30	16.86	18.30	12.65	13.80	11.61	12.80	14.98	16.30		
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	14.63	15.30	13.73	14.30	17.12	18.30	12.89	13.80	11.78	12.80	14.63	16.30		
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	14.42	15.30	13.44	14.30	16.81	18.30	12.74	13.80	11.43	12.80	14.58	16.30		
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	14.72	15.30	13.76	14.30	17.19	18.30	12.88	13.80	11.97	12.80	14.69	16.30		
CA_7C	QPSK	PCC					SCC					Receiver off + BT		Receiver on(Right head) + WiFi2.4G/Receiver on(Right head) + WiFi2.4G + WiFi5G /Receiver on(Right head) + hotspot 2.4G		Receiver on(Left head) + WiFi5G /Receiver on(Left head) + BT + WiFi5G /Receiver on(Left head) + hotspot 5G		Receiver on(Right head) + WiFi5G /Receiver on(Right head) + BT + WiFi5G /Receiver on(Right head) + hotspot 5G		Receiver off + WiFi5G /Receiver off + BT + WiFi5G /Receiver off + hotspot 5G						
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)		
		7	20	20850	1	99	2850	7	20	21048	1	0	14.98	16.30	10.63	11.80	9.92	10.80	8.89	9.80	12.19	13.30				
		7	20	21100	1	99	3100	7	20	21298	1	0	14.63	16.30	10.81	11.80	9.97	10.80	9.23	9.80	12.17	13.30				
		7	20	21100	1	0	3100	7	20	20902	1	99	14.58	16.30	10.82	11.80	9.84	10.80	8.47	9.80	11.94	13.30				
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	14.69	16.30	10.99	11.80	10.04	10.80	9.16	9.80	11.41	13.30				
CA_38C	QPSK	PCC					SCC					Receiver on(Left head)		Receiver on(Right head) /Receiver off + WiFi2.4G /Receiver off + WiFi5G		Receiver off		Receiver on(Left head) + BT		Receiver on(Right head) + BT		Receiver off + BT				
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)		
		38	20	37850	1	99	37850	38	20	38048	1	0	15.71	16.50	14.66	15.50	17.52	18.50	13.78	15.00	12.64	14.00	15.53	17.00		
		38	20	37901	1	99	37901	38	20	38099	1	0	15.53	16.50	15.18	15.50	17.50	18.50	13.55	15.00	12.53	14.00	15.63	17.00		
		38	20	38099	1	0	38099	38	20	37901	1	99	15.68	16.50	14.75	15.50	17.51	18.50	13.71	15.00	12.72	14.00	15.63	17.00		
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	15.51	16.50	14.69	15.50	17.58	18.50	13.63	15.00	12.61	14.00	15.57	17.00		
CA_38C	QPSK	PCC					SCC					Receiver on(Left head) + WiFi2.4G /Receiver off + WiFi5G /Receiver on(Left head) + WiFi2.4G + WiFi5G /Receiver on(Left head) + WiFi5G /Receiver on(Left head) + hotspot 2.4G /Receiver off + hotspot 5G		Receiver on(Right head) + WiFi2.4G /Receiver on(Right head) + WiFi2.4G + WiFi5G /Receiver on(Right head) + hotspot 2.4G		Receiver on(Left head) + WiFi5G /Receiver on(Left head) + BT + WiFi5G /Receiver on(Left head) + hotspot 5G		Receiver on(Right head) + WiFi5G /Receiver on(Right head) + BT + WiFi5G /Receiver on(Right head) + hotspot 5G								
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)		
		38	20	37850	1	99	37850	38	20	38048	1	0	12.62	13.50	11.73	12.50	10.75	11.50	9.68	10.50						
		38	20	37901	1	99	37901	38	20	38099	1	0	12.59	13.50	11.69	12.50	10.69	11.50	9.56	10.50						
		38	20	38099	1	0	38099	38	20	37901	1	99	12.66	13.50	11.74	12.50	10.81	11.50	9.77	10.50						
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	12.57	13.50	11.64	12.50	10.62	11.50	9.67	10.50						
CA_41C	QPSK	PCC					SCC					Receiver on(Left head) /Receiver off + BT		Receiver on(Right head) + WiFi2.4G /Receiver off + WiFi2.4G + WiFi5G /Receiver off + hotspot 2.4G		Receiver off		Receiver on(Left head) + BT		Receiver on(Right head) + WiFi2.4G /Receiver on(Left head) + WiFi2.4G + WiFi5G /Receiver on(Left head) + WiFi5G /Receiver on(Left head) + hotspot 2.4G		Receiver on(Right head) + WiFi2.4G /Receiver on(Right head) + WiFi2.4G + WiFi5G /Receiver on(Right head) + hotspot 2.4G				
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)		
		41	20	40240	1	99	40240	41	20	40438	1	0	15.52	16.50	14.98	16.00	17.87	19.00	13.64	14.00	13.11	13.50	12.14	13.00		
		41	20	40540	1	99	40540	41	20	40738	1	0	14.96	16.50	14.46	16.00	17.36	19.00	13.02	14.00	12.47	13.50	11.53	13.00		
		41	20	40540	1	0	40540	41	20	40342	1	99	15.42	16.50	14.98	16.00	17.79	19.00	13.54	14.00	13.03	13.50	11.99	13.00		
		41	20	40840	1	99	40840	41	20	41038	1	0	15.38	16.50	14.95	16.00	17.75	19.00	13.49	14.00	13.07	13.50	12.06	13.00		
		41	20	40840	1	0	40840	41	20	40642	1	99	15.02	16.50	14.49	16.00	17.47	19.00	13.11	14.00	12.63	13.50	11.59	13.00		
CA_41C	QPSK	41	20	41140	1	0	41140	41	20	40942	1	99	15.38	16.50	15.46	16.00	17.68	19.00	13.59	14.00	13.02	13.50	12.04	13.00		
CA_41C	QPSK	PCC					SCC					Receiver on(Left head) + WiFi5G /Receiver on(Left head) + BT + WiFi5G /Receiver on(Left head) + hotspot 5G		Receiver on(Right head) + WiFi5G /Receiver on(Right head) + BT + WiFi5G /Receiver on(Right head) + hotspot 5G		Receiver off + WiFi5G /Receiver off + BT + WiFi5G /Receiver off + hotspot 5G										
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)						
		41	20	40240	1	99	40240	41	20	40438	1	0	10.57	11.20	10.03	10.70	13.12	13.70								
		41	20	40540	1	99	40540	41	20	40738	1	0	9.97	11.20	9.45	10.70	12.57	13.70								
		41	20	40540	1	0	40540	41	20	40342	1	99	10.42	11.20	9.92	10.70	13.04	13.70								
		41	20	40840	1	99	40840	41	20	41038	1	0	10.52	11.20	9.96	10.70	12.98	13.70								
CA_41C	QPSK	41	20	40840	1	0	40840	41	20	40642	1	99	10.18	11.20	9.71	10.70	12.66	13.70								
CA_41C	QPSK	41	20	41140	1	0	41140	41	20	40942	1	99	10.47	11.20	9.93	10.70	12.93	13.70								

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41C UL and 41D DL of Main Antenna:

Power State	Configuration	PCC							SCC1					SCC2				Power			
		LTE Band	BW (MHz)	Modulation	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	LTE UL CA_41C with DL CA_41D Power	LTE UL CA_41C Power	tune-up(dBm)
Full power	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	21.89	21.92	23.00
Hotspot on+sensor off	41C UL and 41D DL	LTE B41	20M	QPSK	2645	41140	1	0	LTE B41	20M	2625.2	40942	1	99	LTE B41	20M	2605.4	40744	20.31	20.35	21.00

41C UL and 41D DL of Second Antenna:

Power State	Configuration	PCC							SCC1					SCC2				Power			
		LTE Band	BW (MHz)	Modulation	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	LTE UL CA_41C with DL CA_41D Power	LTE UL CA_41C Power	tune-up(dBm)
Receiver on(Left head) /Receiver off + BT	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	15.48	15.52	16.50
Receiver on(Right head)/Receiver off + WiFi2 4G / Receiver off + WiFi2 4G + WiFi5G/Receiver off + hotspot 2.4G	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	14.94	14.98	16.00
Receiver off	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	17.82	17.87	19.00
Receiver on(Left head) + BT	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	13.56	13.64	15.00
Receiver on(Right head) + BT/Receiver on(Left head) + WiFi2 4G/Receiver on(Left head) + WiFi2 4G + WiFi5G /Receiver on(Left head) + hotspot 2.4G	41C UL and 41D DL	LTE B41	20M	QPSK	2585	40540	1	99	LTE B41	20M	2604.8	40738	1	0	LTE B41	20M	2624.8	40938	13.05	13.11	13.50
Receiver on(Right head) + WiFi2 4G Ant1/Receiver on(Right head) + WiFi2 4G + WiFi5G/Receiver on(Right head) + hotspot 2.4G	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	12.07	12.14	13.00
Receiver on(Left head) + WiFi5G /Receiver on(Left head) + BT + WiFi5G / Receiver on(Left head) + hotspot 5G	41C UL and 41D DL	LTE B41	20M	QPSK	2585	40540	1	99	LTE B41	20M	2604.8	40738	1	0	LTE B41	20M	2624.6	40936	10.51	10.57	11.20
Receiver on(Right head) + WiFi5G / Receiver on(Right head) + BT + WiFi5G / Receiver on(Right head) + hotspot 5G	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	9.97	10.03	10.70
Receiver off + WiFi5G / Receiver off + BT + WiFi5G / Receiver off + hotspot 5G	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	13.04	13.12	13.70

Note: Per FCC Guidance, additional SAR measurements for LTE ULCA for CA_41C uplink with CA_41D DLCA active wer not required since the maximum output power for this configuration was not more than 0.25dB higher than the maximum output power for CA_41C uplink with CA_41C DLCA inactive.

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8.1.4 Conducted Power of WIFI and BT

WIFI2.4GHz Full Power							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	Ant1	1	2412	1	16.5	15.05	No
		6	2437		17.5	16.37	No
		11	2462		17.5	16.24	No
	Ant2	1	2412		15	13.70	No
		6	2437		15	13.90	No
		11	2462		15	13.83	No
802.11b	Ant1	1	2412	11	17	15.19	Yes
		6	2437		18	16.22	Yes
		11	2462		18	16.28	Yes
	Ant2	1	2412		15.5	13.65	Yes
		6	2437		15.5	13.99	Yes
		11	2462		15.5	13.76	Yes
802.11g	Ant1	1	2412	6	14.5	13.26	No
		6	2437		15.5	14.12	No
		11	2462		15.5	14.10	No
	Ant2	1	2412		13	11.13	No
		6	2437		13	11.34	No
		11	2462		13	11.28	No
802.11n HT20 SISO	Ant1	1	2412	6.5	13.5	12.16	No
		6	2437		14.5	13.23	No
		11	2462		14.5	12.90	No
	Ant2	1	2412		12	10.20	No
		6	2437		12	10.41	No
		11	2462		12	10.18	No

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WIFI2.4GHz receiver on (Left or Right Head) --Wifi only							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	Ant1	1	2412	1	12.5	11.78	Yes
		6	2437		13.5	12.84	Yes
		11	2462		13.5	12.65	Yes
	Ant2	1	2412		15	13.65	No
		6	2437		15	13.88	No
		11	2462		15	13.75	No
802.11b	Ant1	1	2412	11	12.5	11.51	No
		6	2437		13.5	12.21	No
		11	2462		13.5	12.18	No
	Ant2	1	2412		15.5	13.66	Yes
		6	2437		15.5	13.72	Yes
		11	2462		15.5	13.57	Yes
802.11g	Ant1	1	2412	6	12.5	11.53	No
		6	2437		13.5	12.18	No
		11	2462		13.5	12.10	No
	Ant2	1	2412		13	11.06	No
		6	2437		13	11.31	No
		11	2462		13	10.95	No
802.11n HT20 SISO	Ant1	1	2412	6.5	12.5	11.43	No
		6	2437		13.5	12.17	No
		11	2462		13.5	12.14	No
	Ant2	1	2412		12	10.04	No
		6	2437		12	10.25	No
		11	2462		12	10.09	No

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WIFI5GHz Ant1 Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	14	13.12	No
		40	5200		16.5	15.83	No
		44	5220		16.5	15.77	No
		48	5240		16.5	15.82	No
	U-NII-2A	52	5260		16.5	15.85	Yes
		56	5280		16.5	15.86	Yes
		60	5300		16.5	15.80	No
		64	5320		14	13.14	Yes
	U-NII-2C	100	5500		14	12.67	Yes
		104	5520		16.5	15.48	Yes
		108	5540		16.5	15.40	No
		112	5560		16.5	15.37	No
		116	5580		16.5	15.51	Yes
		120	5600		16.5	15.38	No
		124	5620		16.5	15.35	No
		128	5640		16.5	15.38	No
		132	5660		16.5	15.50	No
		136	5680		16.5	15.47	Yes
	U-NII-3	140	5700		14	13.18	No
		144	5720		14	13.09	Yes
		149	5745		16.5	15.12	Yes
		153	5765		16.5	15.19	No
		157	5785		16.5	15.21	Yes
		161	5805		16.5	14.93	No
165		5825	16	14.87	Yes		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	14	13.03	No
		40	5200		16.5	15.37	No
		44	5220		16.5	15.38	No
		48	5240		16.5	15.38	No
	U-NII-2A	52	5260		16.5	15.35	No
		56	5280		16.5	15.41	No
		60	5300		16.5	15.42	No
		64	5320		14	13.05	No
	U-NII-2C	100	5500		14	12.67	No
		104	5520		16.5	15.04	No
		108	5540		16.5	15.12	No
		112	5560		16.5	14.97	No
		116	5580		16.5	15.01	No
		120	5600		16.5	15.15	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n- HT40	U-NII-1	124	5620	MCS0	16.5	15.10	No
		128	5640		16.5	15.26	No
		132	5660		16.5	15.19	No
		136	5680		16.5	15.14	No
		140	5700		14	12.75	No
		144	5720		14	12.61	No
	U-NII-3	149	5745		16.5	14.71	No
		153	5765		16.5	14.62	No
		157	5785		16.5	14.59	No
		161	5805		16.5	14.55	No
		165	5825		15.5	14.53	No
		38	5190		11.5	10.56	No
		46	5230		14.5	13.27	No
		U-NII-2A	54		5270	14.5	13.44
62	5310		11	10.72	No		
U-NII-2C	102	5510	11.5	10.30	No		
	110	5550	14.5	13.07	No		
	118	5590	14.5	13.05	No		
	126	5630	14.5	13.07	No		
	134	5670	14.5	13.21	No		
	142	5710	11.5	10.27	No		
U-NII-3	151	5755	14.5	13.10	No		
	159	5795	13.5	13.00	No		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	14	13.07	No
		40	5200		16.5	15.27	No
		44	5220		16.5	15.24	No
		48	5240		16.5	15.37	No
	U-NII-2A	52	5260		16.5	15.36	No
		56	5280		16.5	15.30	No
		60	5300		16.5	15.41	No
		64	5320		13.5	13.11	No
	U-NII-2C	100	5500		14	12.78	No
		104	5520		16.5	14.95	No
		108	5540		16.5	14.90	No
		112	5560		16.5	14.95	No
		116	5580		16.5	15.01	No
		120	5600		16.5	15.10	No
		124	5620		16.5	15.01	No
		128	5640		16.5	15.22	No
		132	5660		16.5	15.15	No
		136	5680		16.5	15.25	No

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		140	5700		14	12.83	No
		144	5720		14	12.62	No
	U-NII-3	149	5745		16.5	14.80	No
		153	5765		16.5	14.62	No
		157	5785		16.5	14.60	No
		161	5805		16.5	14.64	No
		165	5825		15.5	14.62	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	11.5	10.54	No
		46	5230		14.5	13.29	No
	U-NII-2A	54	5270		14.5	13.53	No
		62	5310		11.5	10.74	No
	U-NII-2C	102	5510		11.5	10.49	No
		110	5550		14.5	13.04	No
		118	5590		14.5	13.03	No
		126	5630		14.5	13.22	No
		134	5670		14.5	13.21	No
	U-NII-3	142	5710		11.5	10.35	No
		151	5755		14.5	13.08	No
		159	5795		13.5	12.97	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	11	9.56	No
	U-NII-2A	58	5290		11	9.59	No
	U-NII-2C	106	5530		11	9.31	No
	U-NII-3	122	5610		13	12.02	No
		138	5690		11	9.26	No
		155	5775		13	12.01	No

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WIFI5GHz Ant1 receiver on (Left or Right Head) --Wifi only								
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11a	U-NII-1	36	5180	6	11.5	10.77	No	
		40	5200		11.5	10.86	No	
		44	5220		11.5	10.73	No	
		48	5240		11.5	10.89	No	
	U-NII-2A	52	5260		11.5	10.83	No	
		56	5280		11.5	10.79	No	
		60	5300		11.5	10.78	No	
		64	5320		11.5	10.93	No	
	U-NII-2C	100	5500		11.5	10.41	No	
		104	5520		11.5	10.44	No	
		108	5540		11.5	10.41	No	
		112	5560		11.5	10.42	No	
		116	5580		11.5	10.40	No	
		120	5600		11.5	10.53	No	
		124	5620		11.5	10.55	No	
		128	5640		11.5	10.63	No	
		132	5660		11.5	11.10	No	
		136	5680		11.5	11.05	No	
	U-NII-3	140	5700		11.5	10.94	No	
		144	5720		11.5	10.94	No	
		149	5745		11.5	10.61	No	
		153	5765		11.5	10.42	No	
		157	5785		11.5	10.41	No	
			161		5805	11.5	10.43	No
			165		5825	11	10.42	No
5GHz		mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20		U-NII-1	36	5180	MCS0	11.5	10.89	No
			40	5200		11.5	10.78	No
	44		5220	11.5		10.77	No	
	48		5240	11.5		10.81	No	
	U-NII-2A	52	5260	11.5		10.80	No	
		56	5280	11.5		10.78	No	
		60	5300	11.5		10.70	No	
		64	5320	11.5		10.80	No	
	U-NII-2C	100	5500	11.5		10.42	No	
		104	5520	11.5		10.35	No	
		108	5540	11.5		10.34	No	
		112	5560	11.5		10.39	No	
		116	5580	11.5		10.39	No	
		120	5600	11.5		10.36	No	

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	U-NII-3	124	5620		11.5	10.33	No
		128	5640		11.5	10.46	No
		132	5660		11.5	10.47	No
		136	5680		11.5	10.44	No
		140	5700		11.5	10.57	No
		144	5720		11.5	10.38	No
		149	5745		11.5	10.06	No
		153	5765		11.5	9.95	No
		157	5785		11.5	9.85	No
		161	5805		11.5	9.88	No
165	5825	10.5	9.92	No			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	11.5	10.64	No
		46	5230		11.5	10.54	No
	U-NII-2A	54	5270		11.5	10.62	No
		62	5310		11	10.74	No
	U-NII-2C	102	5510		11.5	10.30	No
		110	5550		11.5	10.20	No
		118	5590		11.5	10.40	No
		126	5630		11.5	10.33	No
		134	5670		11.5	10.50	No
	U-NII-3	142	5710		11.5	10.38	No
151		5755	11.5	10.31	No		
159	5795	10.5	10.28	No			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	11.5	10.89	No
		40	5200		11.5	10.76	No
		44	5220		11.5	10.65	No
		48	5240		11.5	10.71	No
	U-NII-2A	52	5260		11.5	10.69	No
		56	5280		11.5	10.78	No
		60	5300		11.5	10.76	No
		64	5320		11	10.66	No
	U-NII-2C	100	5500		11.5	10.50	No
		104	5520		11.5	10.38	No
		108	5540		11.5	10.30	No
		112	5560		11.5	10.47	No
		116	5580		11.5	10.44	No
		120	5600		11.5	10.46	No
		124	5620		11.5	10.43	No
		128	5640		11.5	10.48	No
		132	5660		11.5	10.46	No
		136	5680		11.5	10.49	No

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		140	5700		11.5	10.44	No
		144	5720		11.5	10.39	No
	U-NII-3	149	5745		11.5	10.10	No
		153	5765		11.5	9.98	No
		157	5785		11.5	9.80	No
		161	5805		11.5	9.85	No
		165	5825		10.5	9.82	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	11.5	10.43	No
		46	5230		11.5	10.64	No
	U-NII-2A	54	5270		11.5	10.88	Yes
		62	5310		11.5	10.83	Yes
	U-NII-2C	102	5510		11.5	10.45	Yes
		110	5550		11.5	10.26	No
		118	5590		11.5	10.28	No
		126	5630		11.5	10.33	No
		134	5670		11.5	10.47	Yes
		142	5710		11.5	10.37	Yes
	U-NII-3	151	5755		11.5	10.42	Yes
		159	5795		10.5	10.25	Yes
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	11	9.61	No
	U-NII-2A	58	5290		11	9.71	No
	U-NII-2C	106	5530		11	9.16	No
		122	5610		11	9.97	No
	U-NII-3	138	5690		11	9.36	No
		155	5775		11	9.64	No

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WIFI5GHz Ant2 Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	9	8.95	No
		40	5200		9.5	9.20	No
		44	5220		9.5	9.13	No
		48	5240		9.5	9.15	No
	U-NII-2A	52	5260		9.5	9.19	Yes
		56	5280		9.5	9.25	Yes
		60	5300		9.5	9.17	No
		64	5320		9.5	9.15	Yes
	U-NII-2C	100	5500		9.5	8.67	Yes
		104	5520		9.5	8.60	No
		108	5540		9.5	8.72	No
		112	5560		9.5	8.75	No
		116	5580		9.5	8.91	Yes
		120	5600		9.5	8.48	No
		124	5620		9.5	8.49	No
		128	5640		9.5	8.45	No
		132	5660		9.5	8.63	No
		136	5680		9.5	8.51	No
	U-NII-3	140	5700		9.5	8.42	No
		144	5720		9.5	8.45	Yes
		149	5745		9.5	8.48	Yes
		153	5765		9.5	8.61	No
		157	5785		9.5	8.75	Yes
			161		5805	9.5	8.63
		165	5825	9.5	8.71	Yes	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	9.5	8.32	No
		40	5200		9.5	8.63	No
		44	5220		9.5	8.52	No
		48	5240		9.5	8.66	No
	U-NII-2A	52	5260		9.5	8.72	No
		56	5280		9.5	8.91	No
		60	5300		9.5	8.70	No
		64	5320		9.5	8.81	No
	U-NII-2C	100	5500		9.5	8.14	No
		104	5520		9.5	8.17	No
		108	5540		9.5	8.34	No
		112	5560		9.5	8.37	No
		116	5580		9.5	8.50	No
		120	5600		9.5	8.41	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test			
	U-NII-3	124	5620		9.5	8.24	No			
		128	5640		9.5	8.33	No			
		132	5660		9.5	8.18	No			
		136	5680		9.5	8.05	No			
		140	5700		9.5	7.93	No			
		144	5720		9.5	7.95	No			
		149	5745		9.5	8.18	No			
		153	5765		9.5	8.20	No			
		157	5785		9.5	8.15	No			
		161	5805		9.5	8.22	No			
		165	5825		9.5	8.08	No			
		5GHz	mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		802.11n-HT40	U-NII-1		38	5190	MCS0	7.5	6.46	No
					46	5230		7.5	6.47	No
U-NII-2A	54		5270	7.5	7.05	No				
	62		5310	7.5	6.94	No				
U-NII-2C	102		5510	7.5	6.50	No				
	110		5550	7.5	6.43	No				
	118		5590	7.5	6.50	No				
	126		5630	7.5	6.55	No				
	134		5670	7.5	6.33	No				
	142		5710	7.5	6.23	No				
U-NII-3	151		5755	7.5	6.63	No				
	159		5795	7.5	6.73	No				
5GHz	mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up		Average Power (dBm)	SAR Test	
802.11ac 20M	U-NII-1		36	5180	MCS0	9.5		8.38	No	
		40	5200	9.5		8.49	No			
		44	5220	9.5		8.57	No			
		48	5240	9.5		8.55	No			
	U-NII-2A	52	5260	9.5		8.91	No			
		56	5280	9.5		8.86	No			
		60	5300	9.5		8.70	No			
		64	5320	9.5		8.53	No			
	U-NII-2C	100	5500	9.5		8.20	No			
		104	5520	9.5		8.28	No			
		108	5540	9.5		8.40	No			
		112	5560	9.5		8.33	No			
		116	5580	9.5		8.31	No			
		120	5600	9.5		8.28	No			
		124	5620	9.5		8.35	No			
		128	5640	9.5		8.14	No			
		132	5660	9.5		8.06	No			
		136	5680	9.5		8.13	No			

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		140	5700		9.5	7.94	No
		144	5720		9.5	7.89	No
	U-NII-3	149	5745		9.5	7.84	No
		153	5765		9.5	8.18	No
		157	5785		9.5	8.12	No
		161	5805		9.5	8.14	No
		165	5825		9.5	8.10	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	7	6.44	No
		46	5230		7.5	6.59	No
	U-NII-2A	54	5270		7.5	6.93	No
		62	5310		7.5	6.92	No
	U-NII-2C	102	5510		7.5	6.46	No
		110	5550		7.5	6.62	No
		118	5590		7.5	6.61	No
		126	5630		7.5	6.62	No
		134	5670		7.5	6.33	No
		142	5710		7.5	6.23	No
	U-NII-3	151	5755		7.5	6.65	No
		159	5795		7.5	6.75	No
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	9	7.45	No
	U-NII-2A	58	5290		9	7.80	No
	U-NII-2C	106	5530		8.5	7.21	No
	U-NII-3	122	5610		6	4.79	No
		138	5690		9	6.97	No
		155	5775		6	4.55	No

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WIFI5GHz Ant2 receiver on (Left or Right Head) --Wifi only							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	9	8.95	No
		40	5200		9.5	9.20	No
		44	5220		9.5	9.13	No
		48	5240		9.5	9.15	No
	U-NII-2A	52	5260		9.5	9.19	Yes
		56	5280		9.5	9.25	Yes
		60	5300		9.5	9.17	No
		64	5320		9.5	9.15	Yes
	U-NII-2C	100	5500		9.5	8.67	Yes
		104	5520		9.5	8.60	No
		108	5540		9.5	8.72	No
		112	5560		9.5	8.75	No
		116	5580		9.5	8.91	Yes
		120	5600		9.5	8.48	No
		124	5620		9.5	8.49	No
		128	5640		9.5	8.45	No
		132	5660		9.5	8.63	No
		136	5680		9.5	8.51	No
	U-NII-3	140	5700		9.5	8.42	No
		144	5720		9.5	8.45	Yes
		149	5745		9.5	8.48	Yes
		153	5765		9.5	8.61	No
		157	5785		9.5	8.75	Yes
		161	5805		9.5	8.63	No
		165	5825	9.5	8.71	Yes	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	9.5	8.32	No
		40	5200		9.5	8.63	No
		44	5220		9.5	8.52	No
		48	5240		9.5	8.66	No
	U-NII-2A	52	5260		9.5	8.72	No
		56	5280		9.5	8.91	No
		60	5300		9.5	8.70	No
		64	5320		9.5	8.81	No
	U-NII-2C	100	5500		9.5	8.14	No
		104	5520		9.5	8.17	No
		108	5540		9.5	8.34	No
		112	5560		9.5	8.37	No
		116	5580		9.5	8.50	No
		120	5600		9.5	8.41	No

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		124	5620		9.5	8.24	No	
		128	5640		9.5	8.33	No	
		132	5660		9.5	8.18	No	
		136	5680		9.5	8.05	No	
		140	5700		9.5	7.93	No	
		144	5720		9.5	7.95	No	
	U-NII-3	149	5745		9.5	8.18	No	
		153	5765		9.5	8.20	No	
		157	5785		9.5	8.15	No	
		161	5805		9.5	8.22	No	
		165	5825		9.5	8.08	No	
5GHz		mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40		U-NII-1	38	5190	MCS0	7.5	6.46	No
	46		5230	7.5		6.47	No	
	U-NII-2A	54	5270	7.5		7.05	No	
		62	5310	7.5		6.94	No	
	U-NII-2C	102	5510	7.5		6.50	No	
		110	5550	7.5		6.43	No	
		118	5590	7.5		6.50	No	
		126	5630	7.5		6.55	No	
		134	5670	7.5		6.33	No	
	U-NII-3	142	5710	7.5		6.23	No	
		151	5755	7.5		6.63	No	
	159	5795	7.5	6.73		No		
	5GHz	mode	Channel	Frequency(MHz)		Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11ac 20M	U-NII-1	36	5180	MCS0	9.5	8.38	No	
		40	5200		9.5	8.49	No	
		44	5220		9.5	8.57	No	
		48	5240		9.5	8.55	No	
	U-NII-2A	52	5260		9.5	8.91	No	
		56	5280		9.5	8.86	No	
		60	5300		9.5	8.70	No	
		64	5320		9.5	8.53	No	
	U-NII-2C	100	5500		9.5	8.20	No	
		104	5520		9.5	8.28	No	
		108	5540		9.5	8.40	No	
		112	5560		9.5	8.33	No	
		116	5580		9.5	8.31	No	
		120	5600		9.5	8.28	No	
		124	5620		9.5	8.35	No	
		128	5640		9.5	8.14	No	
		132	5660		9.5	8.06	No	
		136	5680		9.5	8.13	No	

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		140	5700		9.5	7.94	No
		144	5720		9.5	7.89	No
	U-NII-3	149	5745		9.5	7.84	No
		153	5765		9.5	8.18	No
		157	5785		9.5	8.12	No
		161	5805		9.5	8.14	No
		165	5825		9.5	8.10	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	7	6.44	No
		46	5230		7.5	6.59	No
	U-NII-2A	54	5270		7.5	6.93	No
		62	5310		7.5	6.92	No
	U-NII-2C	102	5510		7.5	6.46	No
		110	5550		7.5	6.62	No
		118	5590		7.5	6.61	No
		126	5630		7.5	6.62	No
		134	5670		7.5	6.33	No
		142	5710		7.5	6.23	No
	U-NII-3	151	5755		7.5	6.65	No
		159	5795		7.5	6.75	No
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	9	7.45	No
	U-NII-2A	58	5290		9	7.80	No
	U-NII-2C	106	5530		8.5	7.21	No
		122	5610		6	4.79	No
	U-NII-3	138	5690		9	6.97	No
		155	5775		6	4.55	No

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WIFI5GHz MIMO Full Power								
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11a	U-NII-1	36	5180	6	15.2	14.53	No	
		40	5200		17.3	16.68	No	
		44	5220		17.3	16.62	No	
		48	5240		17.3	16.71	No	
	U-NII-2A	52	5260		17.3	16.70	No	
		56	5280		17.3	16.72	No	
		60	5300		17.3	16.65	No	
		64	5320		15.3	14.60	No	
	U-NII-2C	100	5500		15.3	14.13	No	
		104	5520		17.3	16.29	No	
		108	5540		17.3	16.24	No	
		112	5560		17.3	16.23	No	
		116	5580		17.3	16.37	No	
		120	5600		17.3	16.19	No	
		124	5620		17.3	16.16	No	
		128	5640		17.3	16.18	No	
	U-NII-3	132	5660		17.3	16.31	No	
		136	5680		17.3	16.27	No	
		140	5700		15.3	14.43	No	
		144	5720		15.3	14.37	No	
149		5745	17.3	15.97	No			
	153	5765	17.3	16.05	No			
	157	5785	17.3	16.09	No			
	161	5805	17.3	15.84	No			
		165	5825	16.9	15.81	No		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11n-HT20	U-NII-1	36	5180	MCS0	15.3	14.29	No	
		40	5200		17.3	16.20	No	
		44	5220		17.3	16.19	No	
		48	5240		17.3	16.22	No	
	U-NII-2A	52	5260		17.3	16.20	No	
		56	5280		17.3	16.29	No	
		60	5300		17.3	16.26	No	
	U-NII-2C	64	5320		15.3	14.44	No	
		100	5500		15.3	13.98	No	
		104	5520		17.3	15.85	No	
		108	5540		17.3	15.95	No	
		112	5560		17.3	15.83	No	
			116		5580	17.3	15.89	No
			120		5600	17.3	15.98	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11n-HT40	U-NII-1	124	5620	MCS0	17.3	15.91	No	
		128	5640		17.3	16.06	No	
		132	5660		17.3	15.98	No	
		136	5680		17.3	15.92	No	
		140	5700		15.3	13.99	No	
		144	5720		15.3	13.89	No	
	U-NII-2A	149	5745		17.3	15.58	No	
		153	5765		17.3	15.51	No	
		157	5785		17.3	15.48	No	
		161	5805		17.3	15.46	No	
		165	5825		16.5	15.42	No	
		U-NII-2C	38		5190	13	11.99	No
			46		5230	15.3	14.09	No
			54		5270	15.3	14.34	No
62	5310		12.6	12.24	No			
U-NII-3	102	5510	13	11.81	No			
	110	5550	15.3	13.92	No			
	118	5590	15.3	13.92	No			
	126	5630	15.3	13.94	No			
	134	5670	15.3	14.02	No			
	142	5710	13	11.71	No			
U-NII-3	151	5755	15.3	13.98	No			
	159	5795	14.5	13.92	No			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11ac 20M	U-NII-1	36	5180	MCS0	15.3	14.34	No	
		40	5200		17.3	16.10	No	
		44	5220		17.3	16.09	No	
		48	5240		17.3	16.19	No	
	U-NII-2A	52	5260		17.3	16.25	No	
		56	5280		17.3	16.19	No	
		60	5300		17.3	16.25	No	
		64	5320		15	14.41	No	
	U-NII-2C	100	5500		15.3	14.08	No	
		104	5520		17.3	15.80	No	
		108	5540		17.3	15.78	No	
		112	5560		17.3	15.81	No	
		116	5580		17.3	15.85	No	
		120	5600		17.3	15.92	No	
		124	5620		17.3	15.86	No	
		128	5640		17.3	16.00	No	
		132	5660		17.3	15.93	No	
		136	5680		17.3	16.02	No	

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		140	5700		15.3	14.05	No
		144	5720		15.3	13.88	No
	U-NII-3	149	5745		17.3	15.60	No
		153	5765		17.3	15.51	No
		157	5785		17.3	15.48	No
		161	5805		17.3	15.52	No
		165	5825		16.5	15.49	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	12.8	11.97	No
		46	5230		15.3	14.13	No
	U-NII-2A	54	5270		15.3	14.39	No
		62	5310		13	12.25	No
	U-NII-2C	102	5510		13	11.94	No
		110	5550		15.3	13.93	No
		118	5590		15.3	13.92	No
		126	5630		15.3	14.08	No
		134	5670		15.3	14.02	No
	U-NII-3	142	5710		13	11.77	No
		151	5755		15.3	13.97	No
		159	5795		14.5	13.90	No
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	13.1	11.64	No
	U-NII-2A	58	5290		13.1	11.80	No
	U-NII-2C	106	5530		12.9	11.40	No
	U-NII-3	122	5610		13.8	12.77	No
		138	5690		13.1	11.27	No
		155	5775		13.8	12.73	No

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WIFI5GHz MIMO receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	13.4	12.96	No
		40	5200		13.6	13.12	No
		44	5220		13.6	13.01	No
		48	5240		13.6	13.12	No
	U-NII-2A	52	5260		13.6	13.10	No
		56	5280		13.6	13.10	No
		60	5300		13.6	13.06	No
		64	5320		13.6	13.14	No
	U-NII-2C	100	5500		13.6	12.64	No
		104	5520		13.6	12.63	No
		108	5540		13.6	12.66	No
		112	5560		13.6	12.68	No
		116	5580		13.6	12.73	No
		120	5600		13.6	12.64	No
		124	5620		13.6	12.65	No
		128	5640		13.6	12.69	No
		132	5660		13.6	13.05	No
		136	5680		13.6	12.97	No
	U-NII-3	140	5700		13.6	12.87	No
		144	5720		13.6	12.88	No
		149	5745		13.6	12.68	No
		153	5765		13.6	12.62	No
		157	5785		13.6	12.67	No
			161		5805	13.6	12.63
		165	5825	13.3	12.66	No	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	13.6	12.80	No
		40	5200		13.6	12.85	No
		44	5220		13.6	12.80	No
		48	5240		13.6	12.88	No
	U-NII-2A	52	5260		13.6	12.89	No
		56	5280		13.6	12.96	No
		60	5300		13.6	12.82	No
		64	5320		13.6	12.93	No
	U-NII-2C	100	5500		13.6	12.44	No
		104	5520		13.6	12.41	No
		108	5540		13.6	12.46	No
		112	5560		13.6	12.51	No
		116	5580		13.6	12.56	No
		120	5600		13.6	12.50	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11n-HT40	U-NII-1	124	5620	MCS0	13.6	12.42	No	
		128	5640		13.6	12.53	No	
		132	5660		13.6	12.48	No	
		136	5680		13.6	12.42	No	
		140	5700		13.6	12.46	No	
		144	5720		13.6	12.34	No	
	U-NII-2A	149	5745		13.6	12.23	No	
		153	5765		13.6	12.17	No	
		157	5785		13.6	12.09	No	
		161	5805		13.6	12.14	No	
		165	5825		13	12.11	No	
		U-NII-2C	38		5190	13	12.04	No
			46		5230	13	11.98	No
			54		5270	13	12.20	No
62	5310		12.6	12.25	No			
102	5510		13	11.81	No			
110	5550		13	11.72	No			
118	5590		13	11.88	No			
126	5630		13	11.85	No			
U-NII-3	134	5670	13	11.91	No			
	142	5710	13	11.79	No			
	151	5755	13	11.86	No			
159	5795	12.3	11.87	No				
802.11ac 20M	U-NII-1	36	5180	MCS0	13.6	12.82	No	
		40	5200		13.6	12.78	No	
		44	5220		13.6	12.74	No	
		48	5240		13.6	12.77	No	
	U-NII-2A	52	5260		13.6	12.90	No	
		56	5280		13.6	12.94	No	
		60	5300		13.6	12.86	No	
		64	5320		13.3	12.73	No	
	U-NII-2C	100	5500		13.6	12.51	No	
		104	5520		13.6	12.47	No	
		108	5540		13.6	12.46	No	
		112	5560		13.6	12.54	No	
		116	5580		13.6	12.51	No	
		120	5600		13.6	12.52	No	
		124	5620		13.6	12.52	No	
		128	5640		13.6	12.48	No	
		132	5660		13.6	12.43	No	
		136	5680		13.6	12.48	No	

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	U-NII-3	140	5700		13.6	12.38	No
		144	5720		13.6	12.33	No
		149	5745		13.6	12.13	No
		153	5765		13.6	12.18	No
		157	5785		13.6	12.05	No
		161	5805		13.6	12.09	No
		165	5825		13	12.05	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	12.8	11.89	No
		46	5230		13	12.08	No
	U-NII-2A	54	5270		13	12.35	No
		62	5310		13	12.31	No
	U-NII-2C	102	5510		13	11.91	No
		110	5550		13	11.82	No
		118	5590		13	11.83	No
		126	5630		13	11.87	No
		134	5670		13	11.89	No
		142	5710		13	11.79	No
	U-NII-3	151	5755		13	11.94	No
		159	5795		12.3	11.85	No
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	13.1	11.67	No
	U-NII-2A	58	5290		13.1	11.87	No
	U-NII-2C	106	5530		12.9	11.30	No
		122	5610		12.6	11.12	No
	U-NII-3	138	5690		13.1	11.34	No
		155	5775		12.6	10.81	No

Table 15: Conducted Power Of WIFI

Note:

- a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
- b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
 - 1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
 - 2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

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c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

BT			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		GFSK
GFSK	0	2402	10.5	9.7
	39	2441	11	10.5
	78	2480	10.5	9.6
$\pi/4$ DQPSK	0	2402	6.5	4.75
	39	2441	7	5.34
	78	2480	6	4.35
8DPSK	0	2402	6	4.73
	39	2441	6.5	5.32
	78	2480	6	4.33
BLE			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		GFSK
GFSK	0	2402	4.5	3.03
	19	2440	5	3.12
	39	2480	4.5	2.69

Table 16: Conducted Power of BT

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8.2 Stand-alone SAR test evaluation

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

Freq. Band	Frequency (GHz)	Position	Average Power		Test Separation (mm)	Calculate Value	Exclusion Threshold	Exclusion (Y/N)
			dBm	mW				
BLE	2.48	Head	5	3.2	0	1.0	3	Y
		Body-worn	5	3.2	15	0.3	3	Y
		Hotspot	5	3.2	10	0.5	3	Y

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

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8.3 Measurement of SAR Data

8.3.1 SAR Result of GSM850

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.193	0.05	32.57	33.8	1.327	0.256	22.1
Left tilted	GSM	190/836.6	1:8.3	0.124	-0.12	32.57	33.8	1.327	0.165	22.1
Right cheek	GSM	190/836.6	1:8.3	0.253	0.04	32.38	33.8	1.387	0.351	22.1
Right tilted	GSM	190/836.6	1:8.3	0.11	0.02	32.49	33.8	1.352	0.149	22.1
Right cheek	GSM	128/824.2	1:8.3	0.19	-0.05	32.38	33.8	1.387	0.263	22.1
Right cheek	GSM	251/848.8	1:8.3	0.265	0.05	32.49	33.8	1.352	0.358	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	251/848.8	1:8.3	0.278	-0.17	32.49	33.8	1.352	0.376	22.1
Head Test Data at the worst case with Battery 3#										
Right cheek	GSM	251/848.8	1:8.3	0.274	-0.04	32.49	33.8	1.352	0.370	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.245	-0.02	32.57	33.8	1.327	0.325	22.1
Back side	GSM	190/836.6	1:8.3	0.304	-0.1	32.57	33.8	1.327	0.404	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.206	-0.13	30.64	31.8	1.306	0.269	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.291	0	30.64	31.8	1.306	0.380	22.1
Back side	GSM	128/824.2	1:8.3	0.262	0.02	32.38	33.8	1.387	0.363	22.1
Back side	GSM	251/848.8	1:8.3	0.309	0.04	32.49	33.8	1.352	0.418	22.1
Body worn Test data with Battery 2#										
Back side	GSM	251/848.8	1:8.3	0.354	0.12	32.49	33.8	1.352	0.479	22.1
Body worn Test data with Battery 3#										
Back side	GSM	251/848.8	1:8.3	0.321	-0.07	32.49	33.8	1.352	0.434	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.287	-0.07	30.64	31.8	1.306	0.375	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.419	-0.07	30.64	31.8	1.306	0.547	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.0871	0.04	30.64	31.8	1.306	0.114	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.377	0.15	30.64	31.8	1.306	0.492	22.1
Bottom side	GPRS 2TS	190/836.6	1:4.15	0.267	0.04	30.64	31.8	1.306	0.349	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.323	-0.07	30.5	31.8	1.349	0.436	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.482	0.08	30.53	31.8	1.340	0.646	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.516	0.06	30.53	31.8	1.340	0.691	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.448	0.05	30.53	31.8	1.340	0.600	22.1

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.537	-0.01	28.18	29.3	1.294	0.695	22.1
Left tilted	GSM	190/836.6	1:8.3	0.464	-0.04	28.18	29.3	1.294	0.601	22.1
Right cheek	GSM	190/836.6	1:8.3	0.538	0.01	28.74	29.8	1.276	0.687	22.1
Right tilted	GSM	190/836.6	1:8.3	0.484	0.13	28.74	29.8	1.276	0.618	22.1
Left cheek	GSM	128/824.2	1:8.3	0.545	0.03	28.06	29.3	1.330	0.725	22.1
Left cheek	GSM	251/848.8	1:8.3	0.547	0.1	28.14	29.3	1.306	0.714	22.1
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	128/824.2	1:8.3	0.535	-0.07	28.06	29.3	1.330	0.712	22.1
Head Test Data at the worst case with Battery 3#										
Left cheek	GSM	128/824.2	1:8.3	0.535	-0.13	28.06	29.3	1.330	0.712	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.0972	0.02	32.95	33.8	1.216	0.118	22.1
Back side	GSM	190/836.6	1:8.3	0.0952	0.05	32.95	33.8	1.216	0.116	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.357	0.14	30.82	31.8	1.253	0.447	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.335	0.04	30.82	31.8	1.253	0.420	22.1
Front side	GPRS 2TS	128/824.2	1:4.15	0.314	-0.13	30.59	31.8	1.321	0.415	22.1
Front side	GPRS 2TS	251/848.8	1:4.15	0.358	0.18	30.91	31.8	1.227	0.439	22.1
Body worn Test data with Battery 2#										
Front side	GPRS 2TS	190/836.6	1:4.15	0.343	0.12	30.82	31.8	1.253	0.430	22.1
Body worn Test data with Battery 3#										
Front side	GPRS 2TS	190/836.6	1:4.15	0.346	0.1	30.82	31.8	1.253	0.434	22.1
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.281	0.18	27.48	28.8	1.355	0.381	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.287	-0.06	27.48	28.8	1.355	0.389	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.126	0.05	27.48	28.8	1.355	0.171	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.0263	-0.1	27.48	28.8	1.355	0.036	22.1
Top side	GPRS 2TS	190/836.6	1:4.15	0.224	0.03	27.48	28.8	1.355	0.304	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.258	0.05	27.42	28.8	1.374	0.355	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.311	-0.05	27.46	28.8	1.361	0.423	22.1
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.179	-0.11	25.62	26.8	1.312	0.235	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.18	0.15	25.62	26.8	1.312	0.236	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.08	-0.03	25.62	26.8	1.312	0.105	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.0166	-0.08	25.62	26.8	1.312	0.022	22.1

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Top side	GPRS 2TS	190/836.6	1:4.15	0.141	0.01	25.62	26.8	1.312	0.185	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.162	0.05	25.45	26.8	1.365	0.221	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.193	-0.05	25.58	26.8	1.324	0.256	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.312	-0.02	27.46	28.8	1.361	0.425	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.305	-0.1	27.46	28.8	1.361	0.415	22.1
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	128/824.2	1:8.3	0.142	-0.09	23.24	24.3	1.276	0.181	22.1

Table 17: SAR of GSM850 for Head and Body(Original report E5/2018/20009).

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8.3.2 SAR Result of GSM1900

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	661/1880	1:8.3	0.0704	0.03	29.91	31	1.285	0.090	22.1
Left tilted	GSM	661/1880	1:8.3	0.0239	-0.07	29.91	31	1.285	0.031	22.1
Right cheek	GSM	661/1880	1:8.3	0.0498	0.18	29.91	31	1.285	0.064	22.1
Right tilted	GSM	661/1880	1:8.3	0.0329	0.05	29.91	31	1.285	0.042	22.1
Left cheek	GSM	512/1850.2	1:8.3	0.0663	0.07	29.98	31	1.265	0.084	22.1
Left cheek	GSM	810/1909.8	1:8.3	0.0817	0.09	29.93	31	1.279	0.105	22.1
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	810/1909.8	1:8.3	0.117	0.08	29.93	31	1.279	0.150	22.1
Head Test Data at the worst case with Battery 3#										
Left cheek	GSM	810/1909.8	1:8.3	0.105	0.02	29.93	31	1.279	0.134	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.211	0.02	29.91	31	1.285	0.271	22.1
Back side	GSM	661/1880	1:8.3	0.218	0.02	29.91	31	1.285	0.280	22.1
Front side	GPRS 2TS	661/1880	1:4.15	0.229	-0.11	27.77	29	1.327	0.304	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.238	0.09	27.77	29	1.327	0.316	22.1
Back side	GPRS 2TS	512/1850.2	1:4.15	0.254	0.03	27.92	29	1.282	0.326	22.1
Back side	GPRS 2TS	810/1909.8	1:4.15	0.282	-0.08	27.7	29	1.349	0.380	22.1
Body worn Test Data at the worst case with Battery 2#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.379	0.05	27.7	29	1.349	0.511	22.1
Body worn Test Data at the worst case with Battery 3#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.349	0.03	27.7	29	1.349	0.471	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:4.15	0.173	0.02	23.92	25	1.282	0.222	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.189	0.05	23.92	25	1.282	0.242	22.1
Left side	GPRS 2TS	661/1880	1:4.15	0.0525	-0.04	23.92	25	1.282	0.067	22.1
Right side	GPRS 2TS	661/1880	1:4.15	0.016	-0.01	23.92	25	1.282	0.021	22.1
Bottom side	GPRS 2TS	661/1880	1:4.15	0.363	-0.07	23.92	25	1.282	0.465	22.1
Bottom side	GPRS 2TS	512/1850.2	1:4.15	0.397	-0.01	24.06	25	1.242	0.493	22.1
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.424	0.05	23.82	25	1.312	0.556	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.508	-0.05	23.82	25	1.312	0.667	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.493	-0.06	23.82	25	1.312	0.647	22.1

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	661/1880	1:8.3	0.293	0	25.93	26.5	1.140	0.334	22.1
Left tilted	GSM	661/1880	1:8.3	0.384	0.01	25.93	26.5	1.140	0.438	22.1
Right cheek	GSM	661/1880	1:8.3	0.528	0.04	25.44	26	1.138	0.601	22.1
Right tilted	GSM	661/1880	1:8.3	0.465	-0.06	25.44	26	1.138	0.529	22.1
Right cheek	GSM	512/1850.2	1:8.3	0.506	0.02	25.52	26	1.117	0.565	22.1
Right cheek	GSM	810/1909.8	1:8.3	0.632	0.01	25.53	26	1.114	0.704	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	810/1909.8	1:8.3	0.66	0.02	25.53	26	1.114	0.735	22.1
Head Test Data at the worst case with Battery 3#										
Right cheek	GSM	810/1909.8	1:8.3	0.542	-0.04	25.53	26	1.114	0.604	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.062	-0.11	30.15	30.5	1.084	0.067	22.1
Back side	GSM	661/1880	1:8.3	0.0658	-0.09	30.15	30.5	1.084	0.071	22.1
Front side	GPRS 2TS	661/1880	1:4.15	0.205	-0.14	27.67	28.5	1.211	0.248	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.224	-0.05	27.67	28.5	1.211	0.271	22.1
Back side	GPRS 2TS	512/1850.2	1:4.15	0.181	0.04	27.76	28.5	1.186	0.215	22.1
Back side	GPRS 2TS	810/1909.8	1:4.15	0.257	-0.04	27.84	28.5	1.164	0.299	22.1
Body worn Test Data at the worst case with Battery 2#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.291	0.01	27.84	28.5	1.164	0.339	22.1
Body worn Test Data at the worst case with Battery 3#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.232	0.05	27.84	28.5	1.164	0.270	22.1
Hotspot actived for 2.4G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:2.075	0.17	-0.11	24.74	25.5	1.191	0.203	22.1
Back side	GPRS 2TS	661/1880	1:2.075	0.181	-0.13	24.74	25.5	1.191	0.216	22.1
Left side	GPRS 2TS	661/1880	1:2.075	0.193	-0.17	24.74	25.5	1.191	0.230	22.1
Right side	GPRS 2TS	661/1880	1:2.075	0.0379	-0.02	24.74	25.5	1.191	0.045	22.1
Top side	GPRS 2TS	661/1880	1:2.075	0.257	-0.12	24.74	25.5	1.191	0.306	22.1
Top side	GPRS 2TS	512/1850.2	1:2.075	0.224	-0.12	24.84	25.5	1.164	0.261	22.1
Top side	GPRS 2TS	810/1909.8	1:2.075	0.273	0.09	24.78	25.5	1.180	0.322	22.1
Hotspot actived for 5G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:2.075	0.105	-0.09	22.63	23.5	1.222	0.128	22.1
Back side	GPRS 2TS	661/1880	1:2.075	0.107	0.01	22.63	23.5	1.222	0.131	22.1
Left side	GPRS 2TS	661/1880	1:2.075	0.133	-0.09	22.63	23.5	1.222	0.162	22.1
Right side	GPRS 2TS	661/1880	1:2.075	0.0222	-0.02	22.63	23.5	1.222	0.027	22.1
Top side	GPRS 2TS	661/1880	1:2.075	0.158	-0.09	22.63	23.5	1.222	0.193	22.1
Top side	GPRS 2TS	512/1850.2	1:2.075	0.137	-0.01	22.73	23.5	1.194	0.164	22.1
Top side	GPRS 2TS	810/1909.8	1:2.075	0.168	-0.06	22.76	23.5	1.186	0.199	22.1

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Hotspot Test Data at the worst case with Battery 2#(10mm)										
Top side	GPRS 2TS	810/1909.8	1:2.075	0.285	-0.09	24.78	25.5	1.180	0.336	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Top side	GPRS 2TS	810/1909.8	1:2.075	0.282	-0.04	24.78	25.5	1.180	0.333	22.1

Table 18: SAR of GSM1900 for Head and Body(Original report E5/2018/20009).

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8.3.3 SAR Result of WCDMA Band V

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) ¹ -g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.15	0.06	23.51	24.5	1.256	0.188	22.3
Left tilted	RMC	4182/836.4	1:1	0.0921	0.08	23.51	24.5	1.256	0.116	22.3
Right cheek	RMC	4182/836.4	1:1	0.205	0.13	23.51	24.5	1.256	0.257	22.3
Right tilted	RMC	4182/836.4	1:1	0.0871	-0.01	23.51	24.5	1.256	0.109	22.3
Right cheek	RMC	4132/826.4	1:1	0.172	-0.02	23.47	24.5	1.268	0.218	22.3
Right cheek	RMC	4233/846.6	1:1	0.254	-0.06	23.49	24.5	1.262	0.321	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4233/846.6	1:1	0.235	-0.03	23.49	24.5	1.262	0.297	22.3
Head Test Data at the worst case with Battery 3#										
Right cheek	RMC	4233/846.6	1:1	0.234	-0.02	23.49	24.5	1.262	0.295	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.195	-0.06	23.51	24.5	1.256	0.245	22.3
Back side	RMC	4182/836.4	1:1	0.228	0.12	23.51	24.5	1.256	0.286	22.3
Back side	RMC	4132/826.4	1:1	0.201	0.06	23.47	24.5	1.268	0.255	22.3
Back side	RMC	4233/846.6	1:1	0.272	0.1	23.49	24.5	1.262	0.343	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	4233/846.6	1:1	0.29	0.05	23.49	24.5	1.262	0.366	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	4233/846.6	1:1	0.303	0.06	23.49	24.5	1.262	0.382	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.29	-0.08	23.51	24.5	1.256	0.364	22.3
Back side	RMC	4182/836.4	1:1	0.418	0.09	23.51	24.5	1.256	0.525	22.3
Left side	RMC	4182/836.4	1:1	0.113	0.03	23.51	24.5	1.256	0.142	22.3
Right side	RMC	4182/836.4	1:1	0.359	0.11	23.51	24.5	1.256	0.451	22.3
Bottom side	RMC	4182/836.4	1:1	0.26	0.04	23.51	24.5	1.256	0.327	22.3
Back side	RMC	4132/826.4	1:1	0.328	0.03	23.47	24.5	1.268	0.416	22.3
Back side	RMC	4233/846.6	1:1	0.447	0.09	23.49	24.5	1.262	0.564	22.3
Hotspot Test Data at the worst case with Battery 2#										
Back side	RMC	4233/846.6	1:1	0.437	0.07	23.49	24.5	1.262	0.551	22.3
Hotspot Test Data at the worst case with Battery 3#										
Back side	RMC	4233/846.6	1:1	0.424	0.1	23.49	24.5	1.262	0.535	22.3

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.564	0.16	19.38	20.5	1.294	0.730	22.3
Left tilted	RMC	4182/836.4	1:1	0.473	-0.08	19.38	20.5	1.294	0.612	22.3
Right cheek	RMC	4182/836.4	1:1	0.512	-0.03	19.4	20.5	1.288	0.660	22.3
Right tilted	RMC	4182/836.4	1:1	0.448	-0.07	19.4	20.5	1.288	0.577	22.3
Left cheek	RMC	4132/826.4	1:1	0.602	0.02	19.42	20.5	1.282	0.772	22.3
Left cheek	RMC	4233/846.6	1:1	0.596	-0.12	19.35	20.5	1.303	0.777	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	4233/846.6	1:1	0.603	0.04	19.35	20.5	1.303	0.786	22.3
Head Test Data at the worst case with Battery 3#										
Left cheek	RMC	4233/846.6	1:1	0.594	0.09	19.35	20.5	1.303	0.774	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.242	0.09	23.47	24.5	1.268	0.307	22.3
Back side	RMC	4182/836.4	1:1	0.228	-0.02	23.47	24.5	1.268	0.289	22.3
Front side	RMC	4132/826.4	1:1	0.225	0.15	23.48	24.5	1.265	0.285	22.3
Front side	RMC	4233/846.6	1:1	0.232	0.14	23.43	24.5	1.279	0.297	22.3
Body worn Test Data at the worst case with Battery 2#										
Front side	RMC	4182/836.4	1:1	0.262	0.11	23.47	24.5	1.268	0.332	22.3
Body worn Test Data at the worst case with Battery 3#										
Front side	RMC	4182/836.4	1:1	0.214	0.12	23.47	24.5	1.268	0.271	22.3
Hotspot 2.4GTest data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.201	0.17	20.44	21.5	1.276	0.257	22.3
Back side	RMC	4182/836.4	1:1	0.197	0.02	20.44	21.5	1.276	0.251	22.3
Left side	RMC	4182/836.4	1:1	0.0905	0.15	20.44	21.5	1.276	0.116	22.3
Right side	RMC	4182/836.4	1:1	0.0176	0.05	20.44	21.5	1.276	0.022	22.3
Top side	RMC	4182/836.4	1:1	0.151	0.07	20.44	21.5	1.276	0.193	22.3
Front side	RMC	4132/826.4	1:1	0.2	0.12	20.47	21.5	1.268	0.254	22.3
Front side	RMC	4233/846.6	1:1	0.215	0.14	20.41	21.5	1.285	0.276	22.3
Hotspot 5GTest data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.135	0.12	18.43	19.5	1.279	0.173	22.3
Back side	RMC	4182/836.4	1:1	0.138	0	18.43	19.5	1.279	0.177	22.3
Left side	RMC	4182/836.4	1:1	0.0562	0.1	18.43	19.5	1.279	0.072	22.3
Right side	RMC	4182/836.4	1:1	0.0105	0.09	18.43	19.5	1.279	0.013	22.3
Top side	RMC	4182/836.4	1:1	0.0978	0.03	18.43	19.5	1.279	0.125	22.3
Back side	RMC	4132/826.4	1:1	0.146	-0.03	18.45	19.5	1.274	0.186	22.3
Back side	RMC	4233/846.6	1:1	0.147	-0.06	18.38	19.5	1.294	0.190	22.3

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Hotspot Test Data at the worst case with Battery 2#										
Front side	RMC	4233/846.6	1:1	0.191	0.14	20.41	21.5	1.285	0.245	22.3
Hotspot Test Data at the worst case with Battery 3#										
Front side	RMC	4233/846.6	1:1	0.197	0.15	20.41	21.5	1.285	0.253	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4233/846.6	1:1	0.163	0.1	14.38	15.5	1.294	0.211	22.3

Table 19: SAR of WCDMA Band V for Head and Body(Original report E5/2018/20009).

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8.3.4 SAR Result of WCDMA Band IV

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) ¹ -g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.108	0.04	22.92	24	1.282	0.138	22.3
Left tilted	RMC	1412/1732.4	1:1	0.0313	-0.13	22.92	24	1.282	0.040	22.3
Right cheek	RMC	1412/1732.4	1:1	0.0797	0.02	22.92	24	1.282	0.102	22.3
Right tilted	RMC	1412/1732.4	1:1	0.0535	0.19	22.92	24	1.282	0.069	22.3
Left cheek	RMC	1312/1712.4	1:1	0.0954	-0.02	22.96	24	1.271	0.121	22.3
Left cheek	RMC	1513/1752.6	1:1	0.0984	0.17	22.94	24	1.276	0.126	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	1412/1732.4	1:1	0.112	0.05	22.92	24	1.282	0.144	22.3
Head Test Data at the worst case with Battery 3#										
Left cheek	RMC	1412/1732.4	1:1	0.0911	0.03	22.92	24	1.282	0.117	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.348	0.02	22.92	24	1.282	0.446	22.3
Back side	RMC	1412/1732.4	1:1	0.299	0.01	22.92	24	1.282	0.383	22.3
Front side	RMC	1312/1712.4	1:1	0.283	0.18	22.96	24	1.271	0.360	22.3
Front side	RMC	1513/1752.6	1:1	0.382	0.16	22.94	24	1.276	0.488	22.3
Body worn Test Data at the worst case with Battery 2#										
Front side	RMC	1513/1752.6	1:1	0.421	-0.08	22.94	24	1.276	0.537	22.3
Body worn Test Data at the worst case with Battery 3#										
Front side	RMC	1513/1752.6	1:1	0.401	-0.01	22.94	24	1.276	0.512	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.261	0.07	18.89	20	1.291	0.337	22.3
Back side	RMC	1412/1732.4	1:1	0.227	0.01	18.89	20	1.291	0.293	22.3
Left side	RMC	1412/1732.4	1:1	0.0565	-0.01	18.89	20	1.291	0.073	22.3
Right side	RMC	1412/1732.4	1:1	0.0186	-0.06	18.89	20	1.291	0.024	22.3
Bottom side	RMC	1412/1732.4	1:1	0.499	-0.02	18.89	20	1.291	0.644	22.3
Bottom side	RMC	1312/1712.4	1:1	0.419	-0.05	18.95	20	1.274	0.534	22.3
Bottom side	RMC	1513/1752.6	1:1	0.56	-0.03	18.93	20	1.279	0.716	22.3
Hotspot Test Data at the worst case with Battery 2#										
Bottom side	RMC	1513/1752.6	1:1	0.628	0.13	18.93	20	1.279	0.803	22.3
Hotspot Test Data at the worst case with Battery 3#										
Bottom side	RMC	1513/1752.6	1:1	0.619	0.12	18.93	20	1.279	0.792	22.3
Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) ¹ -g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.251	-0.03	18.59	19.5	1.233	0.310	22.3

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Left tilted	RMC	1412/1732.4	1:1	0.351	0.12	18.59	19.5	1.233	0.433	22.3
Right cheek	RMC	1412/1732.4	1:1	0.413	0.04	17.13	18	1.222	0.505	22.3
Right tilted	RMC	1412/1732.4	1:1	0.377	0.03	17.13	18	1.222	0.461	22.3
Right cheek	RMC	1312/1712.4	1:1	0.364	0.06	17.13	18	1.222	0.445	22.3
Right cheek	RMC	1513/1752.6	1:1	0.465	0.01	17.14	18	1.219	0.567	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	1513/1752.6	1:1	0.448	-0.05	17.14	18	1.219	0.546	22.3
Head Test Data at the worst case with Battery 3#										
Right cheek	RMC	1513/1752.6	1:1	0.376	-0.08	17.14	18	1.219	0.458	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.12	-0.09	20.62	21.5	1.225	0.147	22.3
Back side	RMC	1412/1732.4	1:1	0.134	-0.01	20.62	21.5	1.225	0.164	22.3
Back side	RMC	1312/1712.4	1:1	0.111	0.01	20.69	21.5	1.205	0.134	22.3
Back side	RMC	1513/1752.6	1:1	0.148	-0.01	20.65	21.5	1.216	0.180	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	1513/1752.6	1:1	0.156	-0.13	20.65	21.5	1.216	0.190	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	1513/1752.6	1:1	0.112	-0.06	20.65	21.5	1.216	0.136	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.0937	-0.02	17.73	18.5	1.194	0.112	22.3
Back side	RMC	1412/1732.4	1:1	0.119	0.04	17.73	18.5	1.194	0.142	22.3
Left side	RMC	1412/1732.4	1:1	0.105	0.07	17.73	18.5	1.194	0.125	22.3
Right side	RMC	1412/1732.4	1:1	0.00938	-0.09	17.73	18.5	1.194	0.011	22.3
Top side	RMC	1412/1732.4	1:1	0.136	0.05	17.73	18.5	1.194	0.162	22.3
Top side	RMC	1312/1712.4	1:1	0.117	0.11	17.76	18.5	1.186	0.139	22.3
Top side	RMC	1513/1752.6	1:1	0.147	0.14	17.57	18.5	1.239	0.182	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.0536	-0.13	15.74	16.5	1.191	0.064	22.3
Back side	RMC	1412/1732.4	1:1	0.0717	0.09	15.74	16.5	1.191	0.085	22.3
Left side	RMC	1412/1732.4	1:1	0.077	0.01	15.74	16.5	1.191	0.092	22.3
Right side	RMC	1412/1732.4	1:1	0.00452	-0.03	15.74	16.5	1.191	0.005	22.3
Top side	RMC	1412/1732.4	1:1	0.0845	0.12	15.74	16.5	1.191	0.101	22.3
Top side	RMC	1312/1712.4	1:1	0.0752	0.09	15.74	16.5	1.191	0.090	22.3
Top side	RMC	1513/1752.6	1:1	0.0836	0.07	15.74	16.5	1.191	0.100	22.3
Hotspot Test Data at the worst case with Battery 2#										
Top side	RMC	1513/1752.6	1:1	0.158	0.06	17.57	18.5	1.239	0.196	22.3
Hotspot Test Data at the worst case with Battery 3#										
Top side	RMC	1513/1752.6	1:1	0.126	0.06	17.57	18.5	1.239	0.156	22.3

Table 20: SAR of WCDMA Band IV for Head and Body(Original report E5/2018/20009).

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8.3.5 SAR Result of WCDMA Band II

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) ¹ -g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.159	-0.04	23.47	24.5	1.268	0.202	22.3
Left tilted	RMC	9400/1880	1:1	0.0454	0.07	23.47	24.5	1.268	0.058	22.3
Right cheek	RMC	9400/1880	1:1	0.0976	0.07	23.47	24.5	1.268	0.124	22.3
Right tilted	RMC	9400/1880	1:1	0.0662	0.07	23.47	24.5	1.268	0.084	22.3
Left cheek	RMC	9262/1852.4	1:1	0.156	0.04	23.58	24.5	1.236	0.193	22.3
Left cheek	RMC	9538/1907.6	1:1	0.182	0.109	23.38	24.5	1.294	0.236	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	9538/1907.6	1:1	0.197	-0.05	23.38	24.5	1.294	0.255	22.3
Head Test Data at the worst case with Battery 3#										
Left cheek	RMC	9538/1907.6	1:1	0.176	0.04	23.38	24.5	1.294	0.228	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.412	0.05	23.47	24.5	1.268	0.522	22.3
Back side	RMC	9400/1880	1:1	0.421	0.05	23.47	24.5	1.268	0.534	22.3
Back side	RMC	9262/1852.4	1:1	0.415	0.08	23.58	24.5	1.236	0.513	22.3
Back side	RMC	9538/1907.6	1:1	0.486	0.12	23.38	24.5	1.294	0.629	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	9538/1907.6	1:1	0.495	0.05	23.38	24.5	1.294	0.641	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	9538/1907.6	1:1	0.559	-0.07	23.38	24.5	1.294	0.723	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.233	0.03	17.96	19	1.271	0.296	22.3
Back side	RMC	9400/1880	1:1	0.244	-0.02	17.96	19	1.271	0.310	22.3
Left side	RMC	9400/1880	1:1	0.0718	-0.03	17.96	19	1.271	0.091	22.3
Right side	RMC	9400/1880	1:1	0.0206	0.06	17.96	19	1.271	0.026	22.3
Bottom side	RMC	9400/1880	1:1	0.451	0.01	17.96	19	1.271	0.573	22.3
Bottom side	RMC	9262/1852.4	1:1	0.423	-0.02	18.05	19	1.245	0.526	22.3
Bottom side	RMC	9538/1907.6	1:1	0.505	0	17.84	19	1.306	0.660	22.3
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Bottom side	RMC	9538/1907.6	1:1	0.524	-0.07	17.84	19	1.306	0.684	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Bottom side	RMC	9538/1907.6	1:1	0.535	0.01	17.84	19	1.306	0.699	22.1
Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) ¹ -g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.35	-0.06	16.64	17.5	1.219	0.427	22.3

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Left tilted	RMC	9400/1880	1:1	0.422	0.12	16.64	17.5	1.219	0.514	22.3
Right cheek	RMC	9400/1880	1:1	0.472	0.15	15.63	16.5	1.222	0.577	22.3
Right tilted	RMC	9400/1880	1:1	0.374	0	15.63	16.5	1.222	0.457	22.3
Right cheek	RMC	9262/1852.4	1:1	0.43	0.04	15.69	16.5	1.205	0.518	22.3
Right cheek	RMC	9538/1907.6	1:1	0.482	0.00	15.52	16.5	1.253	0.604	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	9538/1907.6	1:1	0.532	-0.04	15.52	16.5	1.253	0.667	22.3
Head Test Data at the worst case with Battery 3#										
Right cheek	RMC	9538/1907.6	1:1	0.49	-0.03	15.52	16.5	1.253	0.614	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.186	-0.11	20.72	21.5	1.197	0.223	22.3
Back side	RMC	9400/1880	1:1	0.206	-0.02	20.72	21.5	1.197	0.247	22.3
Back side	RMC	9262/1852.4	1:1	0.198	0.12	20.75	21.5	1.189	0.235	22.3
Back side	RMC	9538/1907.6	1:1	0.21	0.15	20.61	21.5	1.227	0.258	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	9538/1907.6	1:1	0.216	0.14	20.61	21.5	1.227	0.265	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	9538/1907.6	1:1	0.186	0.11	20.61	21.5	1.227	0.228	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.12	-0.02	17.73	18.5	1.194	0.143	22.3
Back side	RMC	9400/1880	1:1	0.156	-0.04	17.73	18.5	1.194	0.186	22.3
Left side	RMC	9400/1880	1:1	0.17	0.09	17.73	18.5	1.194	0.203	22.3
Right side	RMC	9400/1880	1:1	0.0315	-0.02	17.73	18.5	1.194	0.038	22.3
Top side	RMC	9400/1880	1:1	0.238	-0.06	17.73	18.5	1.194	0.284	22.3
Top side	RMC	9262/1852.4	1:1	0.235	0.06	17.76	18.5	1.186	0.279	22.3
Top side	RMC	9538/1907.6	1:1	0.235	0.04	17.57	18.5	1.239	0.291	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.0906	-0.03	15.74	16.5	1.191	0.108	22.3
Back side	RMC	9400/1880	1:1	0.1	0.04	15.74	16.5	1.191	0.119	22.3
Left side	RMC	9400/1880	1:1	0.103	-0.08	15.74	16.5	1.191	0.123	22.3
Right side	RMC	9400/1880	1:1	0.0191	-0.12	15.74	16.5	1.191	0.023	22.3
Top side	RMC	9400/1880	1:1	0.141	-0.06	15.74	16.5	1.191	0.168	22.3
Top side	RMC	9262/1852.4	1:1	0.142	-0.18	15.76	16.5	1.186	0.168	22.3
Top side	RMC	9538/1907.6	1:1	0.14	-0.04	15.59	16.5	1.233	0.173	22.3
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Top side	RMC	9538/1907.6	1:1	0.239	-0.16	17.57	18.5	1.239	0.296	22.3
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Top side	RMC	9538/1907.6	1:1	0.228	-0.04	17.57	18.5	1.239	0.282	22.3

Table 21: SAR of WCDMA Band II for Head and Body(Original report E5/2018/20009).

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8.3.6 SAR Result of LTE Band 2

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.146	-0.03	23.16	24	1.213	0.177	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.0542	0.16	23.16	24	1.213	0.066	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.0973	0.15	23.16	24	1.213	0.118	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.0787	0.08	23.16	24	1.213	0.095	22.3
Left cheek	20	QPSK	18900/1880	1:1	0.132	0.06	23.11	24	1.227	0.162	22.3
Left cheek	20	QPSK	19100/1900	1:1	0.125	0.06	23.09	24	1.233	0.154	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.109	0.08	22.05	23	1.245	0.136	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.0393	0.2	22.05	23	1.245	0.049	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.077	0.06	22.05	23	1.245	0.096	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.0567	0.03	22.05	23	1.245	0.071	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK	18700/1860	1:1	0.164	0.03	23.16	24	1.213	0.199	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	20	QPSK	18700/1860	1:1	0.154	0.06	23.16	24	1.213	0.187	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.384	0.15	23.16	24	1.213	0.466	22.3
Back side	20	QPSK	18700/1860	1:1	0.379	0.04	23.16	24	1.213	0.460	22.3
Front side	20	QPSK	18900/1880	1:1	0.385	0.11	23.11	24	1.227	0.473	22.3
Front side	20	QPSK	19100/1900	1:1	0.404	-0.05	23.09	24	1.233	0.498	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.293	-0.01	22.05	23	1.245	0.365	22.3
Back side	20	QPSK	18700/1860	1:1	0.295	0.16	22.05	23	1.245	0.367	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	19100/1900	1:1	0.493	0	23.09	24	1.233	0.608	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	20	QPSK	19100/1900	1:1	0.463	0.13	23.09	24	1.233	0.571	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.244	-0.02	18.2	19	1.202	0.293	22.3
Back side	20	QPSK	18700/1860	1:1	0.255	0.03	18.2	19	1.202	0.307	22.3
Left side	20	QPSK	18700/1860	1:1	0.0755	0.08	18.2	19	1.202	0.091	22.3
Right side	20	QPSK	18700/1860	1:1	0.0197	0.01	18.2	19	1.202	0.024	22.3
Bottom side	20	QPSK	18700/1860	1:1	0.449	-0.05	18.2	19	1.202	0.540	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.236	-0.06	18.09	19	1.233	0.291	22.3

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Back side	20	QPSK	18700/1860	1:1	0.249	0.06	18.09	19	1.233	0.307	22.3
Left side	20	QPSK	18700/1860	1:1	0.0733	-0.03	18.09	19	1.233	0.090	22.3
Right side	20	QPSK	18700/1860	1:1	0.0185	0.06	18.09	19	1.233	0.023	22.3
Bottom side	20	QPSK	18700/1860	1:1	0.442	-0.03	18.09	19	1.233	0.545	22.3
Bottom side	20	QPSK	18900/1880	1:1	0.442	-0.08	18.03	19	1.250	0.553	22.3
Bottom side	20	QPSK	19100/1900	1:1	0.492	-0.07	17.97	19	1.268	0.624	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	19100/1900	1:1	0.586	-0.04	17.97	19	1.268	0.743	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	19100/1900	1:1	0.535	-0.03	17.97	19	1.268	0.678	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.319	-0.01	17.68	18	1.076	0.343	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.428	0.05	17.68	18	1.076	0.461	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.403	-0.08	15.65	16	1.084	0.437	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.351	-0.01	15.65	16	1.084	0.380	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.313	0.03	17.61	18	1.094	0.342	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.425	0.05	17.61	18	1.094	0.465	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.395	-0.01	15.58	16	1.102	0.435	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.345	-0.06	15.58	16	1.102	0.380	22.3
Left tilted	20	QPSK	18900/1880	1:1	0.461	0.05	17.51	18	1.119	0.516	22.3
Left tilted	20	QPSK	19100/1900	1:1	0.457	0.01	17.47	18	1.130	0.516	22.3
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK	18900/1880	1:1	0.498	0.01	17.51	18	1.119	0.557	22.3
Head Test Data at the worst case with Battery 3#											
Left tilted	20	QPSK	18900/1880	1:1	0.421	0.11	17.51	18	1.119	0.471	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	18900/1880	1:1	0.189	-0.15	21.26	21.5	1.057	0.200	22.3
Back side	20	QPSK	18900/1880	1:1	0.215	-0.07	21.26	21.5	1.057	0.227	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	18900/1880	1:1	0.184	-0.1	21.07	21.5	1.104	0.203	22.3
Back side	20	QPSK	18900/1880	1:1	0.212	-0.08	21.07	21.5	1.104	0.234	22.3
Back side	20	QPSK	18700/1860	1:1	0.204	0	21.06	21.5	1.107	0.226	22.3
Back side	20	QPSK	19100/1900	1:1	0.223	-0.04	20.97	21.5	1.130	0.252	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	20	QPSK	19100/1900	1:1	0.252	0.02	20.97	21.5	1.130	0.285	22.3

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Body worn Test data at the worst case with Battery 3#											
Back side	20	QPSK	19100/1900	1:1	0.18	0	20.97	21.5	1.130	0.203	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_50 offset)											
Front side	20	QPSK	18700/1860	1:1	0.143	-0.01	18.37	18.5	1.030	0.147	22.3
Back side	20	QPSK	18700/1860	1:1	0.16	-0.02	18.37	18.5	1.030	0.165	22.3
Left side	20	QPSK	18700/1860	1:1	0.173	-0.13	18.37	18.5	1.030	0.178	22.3
Right side	20	QPSK	18700/1860	1:1	0.0299	0.14	18.37	18.5	1.030	0.031	22.3
Top side	20	QPSK	18700/1860	1:1	0.227	-0.13	18.37	18.5	1.030	0.234	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.148	-0.03	18.07	18.5	1.104	0.163	22.3
Back side	20	QPSK	18700/1860	1:1	0.183	0.06	18.07	18.5	1.104	0.202	22.3
Left side	20	QPSK	18700/1860	1:1	0.174	0.06	18.07	18.5	1.104	0.192	22.3
Right side	20	QPSK	18700/1860	1:1	0.0298	-0.05	18.07	18.5	1.104	0.033	22.3
Top side	20	QPSK	18700/1860	1:1	0.227	-0.09	18.07	18.5	1.104	0.251	22.3
Top side	20	QPSK	18900/1880	1:1	0.242	-0.09	17.98	18.5	1.127	0.273	22.3
Top side	20	QPSK	19100/1900	1:1	0.232	0.08	17.89	18.5	1.151	0.267	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.0867	0.05	16.14	16.5	1.086	0.094	22.3
Back side	20	QPSK	18700/1860	1:1	0.11	0.04	16.14	16.5	1.086	0.120	22.3
Left side	20	QPSK	18700/1860	1:1	0.121	0.02	16.14	16.5	1.086	0.131	22.3
Right side	20	QPSK	18700/1860	1:1	0.0178	0	16.14	16.5	1.086	0.019	22.3
Top side	20	QPSK	18700/1860	1:1	0.145	0.11	16.14	16.5	1.086	0.158	22.3
Top side	20	QPSK	18900/1880	1:1	0.149	-0.04	16.08	16.5	1.102	0.164	22.3
Top side	20	QPSK	19100/1900	1:1	0.148	-0.03	15.92	16.5	1.143	0.169	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.0836	0	15.99	16.5	1.125	0.094	22.3
Back side	20	QPSK	18700/1860	1:1	0.107	0.01	15.99	16.5	1.125	0.120	22.3
Left side	20	QPSK	18700/1860	1:1	0.117	0.1	15.99	16.5	1.125	0.132	22.3
Right side	20	QPSK	18700/1860	1:1	0.0174	-0.09	15.99	16.5	1.125	0.020	22.3
Top side	20	QPSK	18700/1860	1:1	0.141	0.09	15.99	16.5	1.125	0.159	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	18900/1880	1:1	0.275	-0.08	17.98	18.5	1.127	0.310	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	18900/1880	1:1	0.234	-0.09	17.98	18.5	1.127	0.264	22.3

Table 22: SAR of LTE Band 2 for Head and Body(Original report E5/2018/20009).

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Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test Data at the worst case with Battery 2#											
Left cheek	20	PCC QPSK 1RB_99	18700/1860	1:1	0.126	0.02	22.95	24.00	1.274	0.160	22.3
	20	SCC QPSK 1RB_0	18898/1879.5	1:1							
Body worn Test Data at the worst case with Battery 2#											
Front side	20	PCC QPSK 1RB_0	19100/1900	1:1	0.428	0.11	22.90	24.00	1.288	0.551	22.3
	20	SCC QPSK 1RB_99	18902/1880.2	1:1							
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	PCC QPSK 1RB_0	19100/1900	1:1	0.473	0.00	16.80	18.00	1.318	0.624	22.3
	20	SCC QPSK 1RB_99	18902/1880.2	1:1							
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test Data at the worst case with Battery 2#											
Left tilted	20	PCC QPSK 1RB_0	18900/1880	1:1	0.530	-0.02	17.68	18.00	1.076	0.571	22.3
	20	SCC QPSK 1RB_99	18702/1860.2	1:1							
Body worn Test Data at the worst case with Battery 2#											
Back side	20	PCC QPSK 1RB_0	19100/1900	1:1	0.382	-0.04	21.31	21.50	1.045	0.399	22.3
	20	SCC QPSK 1RB_99	18902/1880.2	1:1							
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	PCC QPSK 1RB_0	18900/1880	1:1	0.276	-0.18	17.21	18.50	1.346	0.371	22.3
	20	SCC QPSK 1RB_99	18702/1860.2	1:1							

Table 23: SAR of LTE Band 2 for Head and Body(Variant).

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.7 SAR Result of LTE Band 4

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.117	-0.02	23.62	24	1.091	0.128	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.0523	0.19	23.62	24	1.091	0.057	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.0616	0.13	23.62	24	1.091	0.067	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.0446	0.07	23.62	24	1.091	0.049	22.3
Left cheek	20	QPSK	20175/1732.5	1:1	0.107	-0.03	23.60	24	1.096	0.117	22.3
Left cheek	20	QPSK	20300/1745	1:1	0.113	-0.03	23.57	24	1.104	0.125	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.0735	0.05	21.55	23	1.091	0.08	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.0298	0.11	21.55	23	1.396	0.042	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.039	0.02	21.55	23	1.396	0.054	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.0268	0.02	21.55	23	1.396	0.037	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK	20050/1720	1:1	0.111	0.08	23.62	24	1.091	0.121	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	20	QPSK	20050/1720	1:1	0.105	0.08	23.62	24	1.091	0.115	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.3	-0.07	23.62	24	1.091	0.327	22.3
Back side	20	QPSK	20050/1720	1:1	0.255	0.12	23.62	24	1.091	0.278	22.3
Front side	20	QPSK	20175/1732.5	1:1	0.321	-0.08	23.60	24	1.096	0.352	22.3
Front side	20	QPSK	20300/1745	1:1	0.332	0.14	23.57	24	1.104	0.367	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.186	0.04	21.55	23	1.396	0.260	22.3
Back side	20	QPSK	20050/1720	1:1	0.168	0.06	21.55	23	1.396	0.235	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	20300/1745	1:1	0.386	0.11	23.57	24	1.104	0.426	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	20	QPSK	20300/1745	1:1	0.371	0.07	23.57	24	1.104	0.410	22.3
Hotspot Test data (Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.224	0.07	19.68	20	1.076	0.241	22.3
Back side	20	QPSK	20050/1720	1:1	0.198	0.11	19.68	20	1.076	0.213	22.3
Left side	20	QPSK	20050/1720	1:1	0.0447	-0.16	19.68	20	1.076	0.048	22.3
Right side	20	QPSK	20050/1720	1:1	0.0152	0.05	19.68	20	1.076	0.016	22.3
Bottom side	20	QPSK	20050/1720	1:1	0.419	-0.06	19.68	20	1.076	0.451	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.228	0.05	19.63	20	1.089	0.248	22.3
Back side	20	QPSK	20050/1720	1:1	0.204	0.06	19.63	20	1.089	0.222	22.3
Left side	20	QPSK	20050/1720	1:1	0.0456	0.02	19.63	20	1.089	0.050	22.3

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Right side	20	QPSK	20050/1720	1:1	0.0158	0.02	19.63	20	1.089	0.017	22.3
Bottom side	20	QPSK	20050/1720	1:1	0.427	0.01	19.63	20	1.089	0.465	22.3
Bottom side	20	QPSK	20175/1732.5	1:1	0.489	0.05	19.57	20	1.104	0.540	22.3
Bottom side	20	QPSK	20300/1745	1:1	0.534	0.03	19.53	20	1.114	0.595	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	20300/1745	1:1	0.634	-0.05	19.53	20	1.114	0.706	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	20300/1745	1:1	0.588	-0.03	19.53	20	1.114	0.655	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.307	0.01	20.47	20.5	1.007	0.309	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.449	0.1	20.47	20.5	1.007	0.452	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.356	-0.04	17.96	18	1.009	0.359	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.316	0.06	17.96	18	1.009	0.319	22.3
Left tilted	20	QPSK	20300/1745	1:1	0.455	0.09	20.41	20.5	1.021	0.465	22.3
Left tilted	20	QPSK	20175/1732.5	1:1	0.434	0	20.46	20.5	1.009	0.438	22.3
Head Test data(50%RB_25 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.314	0.06	20.47	20.5	1.007	0.316	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.445	0.16	20.47	20.5	1.007	0.448	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.362	0.05	17.98	18	1.005	0.364	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.313	0.08	17.98	18	1.005	0.314	22.3
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK	20300/1745	1:1	0.475	0.01	20.47	20.5	1.007	0.478	22.3
Head Test Data at the worst case with Battery 3#											
Left tilted	20	QPSK	20300/1745	1:1	0.334	0.05	20.47	20.5	1.007	0.336	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	20050/1720	1:1	0.116	-0.19	21.46	21.5	1.009	0.117	22.3
Back side	20	QPSK	20050/1720	1:1	0.129	-0.04	21.46	21.5	1.009	0.130	22.3
Back side	20	QPSK	20175/1732.5	1:1	0.14	0.09	21.44	21.5	1.014	0.142	22.3
Back side	20	QPSK	20300/1745	1:1	0.146	0.07	21.42	21.5	1.019	0.149	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.105	0.15	21.48	21.5	1.005	0.105	22.3
Back side	20	QPSK	20050/1720	1:1	0.121	0.05	21.48	21.5	1.005	0.122	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	20300/1745	1:1	0.177	0.07	21.42	21.5	1.019	0.180	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	20300/1745	1:1	0.117	0.1	21.42	21.5	1.019	0.119	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0734	-0.07	18.47	18.5	1.007	0.074	22.3
Back side	20	QPSK	20050/1720	1:1	0.105	0.05	18.47	18.5	1.007	0.106	22.3

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Left side	20	QPSK	20050/1720	1:1	0.103	0.05	18.47	18.5	1.007	0.104	22.3
Right side	20	QPSK	20050/1720	1:1	0.00656	0.13	18.47	18.5	1.007	0.007	22.3
Top side	20	QPSK	20050/1720	1:1	0.132	0.01	18.47	18.5	1.007	0.133	22.3
Top side	20	QPSK	20175/1732.5	1:1	0.141	0.08	18.4	18.5	1.023	0.144	22.3
Top side	20	QPSK	20300/1745	1:1	0.144	0.05	18.42	18.5	1.019	0.147	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0745	-0.08	18.49	18.5	1.002	0.075	22.3
Back side	20	QPSK	20050/1720	1:1	0.11	0.09	18.49	18.5	1.002	0.110	22.3
Left side	20	QPSK	20050/1720	1:1	0.0993	0.03	18.49	18.5	1.002	0.100	22.3
Right side	20	QPSK	20050/1720	1:1	0.00582	0.01	18.49	18.5	1.002	0.006	22.3
Top side	20	QPSK	20050/1720	1:1	0.131	0.03	18.49	18.5	1.002	0.131	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0472	0.05	16.48	16.5	1.005	0.047	22.3
Back side	20	QPSK	20050/1720	1:1	0.068	0.14	16.48	16.5	1.005	0.068	22.3
Left side	20	QPSK	20050/1720	1:1	0.067	0.09	16.48	16.5	1.005	0.067	22.3
Right side	20	QPSK	20050/1720	1:1	0.00286	-0.08	16.48	16.5	1.005	0.003	22.3
Top side	20	QPSK	20050/1720	1:1	0.0818	0.01	16.48	16.5	1.005	0.082	22.3
Top side	20	QPSK	20175/1732.5	1:1	0.0839	0.06	16.36	16.5	1.033	0.087	22.3
Top side	20	QPSK	20300/1745	1:1	0.0853	0.04	16.39	16.5	1.026	0.087	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0453	0.06	16.47	16.5	1.007	0.046	22.3
Back side	20	QPSK	20050/1720	1:1	0.0633	0.13	16.47	16.5	1.007	0.064	22.3
Left side	20	QPSK	20050/1720	1:1	0.0621	0.01	16.47	16.5	1.007	0.063	22.3
Right side	20	QPSK	20050/1720	1:1	0.00254	-0.03	16.47	16.5	1.007	0.003	22.3
Top side	20	QPSK	20050/1720	1:1	0.078	0.01	16.47	16.5	1.007	0.079	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	20300/1745	1:1	0.155	0.13	18.42	18.5	1.019	0.158	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	20300/1745	1:1	0.117	0.02	18.42	18.5	1.019	0.119	22.3

Table 24: SAR of LTE Band 4 for Head and Body(Original report E5/2018/20009)..

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8.3.8 SAR Result of LTE Band 5

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	10	QPSK	20450/829	1:1	0.0991	0.04	23.38	24.5	1.294	0.128	22.3
Left tilted	10	QPSK	20450/829	1:1	0.08	0.11	23.38	24.5	1.294	0.104	22.3
Right cheek	10	QPSK	20450/829	1:1	0.161	0.03	23.38	24.5	1.294	0.208	22.3
Right tilted	10	QPSK	20450/829	1:1	0.0675	0.17	23.38	24.5	1.294	0.087	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.181	0.03	23.33	24.5	1.309	0.237	22.3
Right cheek	10	QPSK	20600/844	1:1	0.21	0.13	23.36	24.5	1.300	0.273	22.3
Head Test data(50%RB_0 offset)											
Left cheek	10	QPSK	20600/844	1:1	0.0956	-0.13	21.92	23.5	1.439	0.138	22.3
Left tilted	10	QPSK	20600/844	1:1	0.0584	0.05	21.92	23.5	1.439	0.084	22.3
Right cheek	10	QPSK	20600/844	1:1	0.158	0.19	21.92	23.5	1.439	0.227	22.3
Right tilted	10	QPSK	20600/844	1:1	0.0634	0.2	21.92	23.5	1.439	0.091	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	20600/844	1:1	0.214	-0.09	23.36	24.5	1.300	0.278	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	20600/844	1:1	0.213	0	23.36	24.5	1.300	0.277	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.193	-0.02	23.38	24.5	1.294	0.250	22.3
Back side	10	QPSK	20450/829	1:1	0.234	0.05	23.38	24.5	1.294	0.303	22.3
Back side	10	QPSK	20525/836.5	1:1	0.255	0.05	23.33	24.5	1.309	0.334	22.3
Back side	10	QPSK	20600/844	1:1	0.279	0.06	23.36	24.5	1.300	0.363	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	10	QPSK	20600/844	1:1	0.167	-0.08	21.92	23.5	1.439	0.240	22.3
Back side	10	QPSK	20600/844	1:1	0.204	0.07	21.92	23.5	1.439	0.294	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	10	QPSK	20600/844	1:1	0.246	0.03	23.38	24.5	1.294	0.318	22.3
Body worn Test data at the worst case with Battery 3#											
Back side	10	QPSK	20600/844	1:1	0.259	0.06	23.38	24.5	1.294	0.335	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.281	-0.01	23.38	24.5	1.294	0.364	22.3
Back side	10	QPSK	20450/829	1:1	0.406	0.06	23.38	24.5	1.294	0.525	22.3
Left side	10	QPSK	20450/829	1:1	0.106	0.1	23.38	24.5	1.294	0.137	22.3
Right side	10	QPSK	20450/829	1:1	0.298	0.09	23.38	24.5	1.294	0.386	22.3
Bottom side	10	QPSK	20450/829	1:1	0.213	0.07	23.38	24.5	1.294	0.276	22.3
Back side	10	QPSK	20525/836.5	1:1	0.364	0.07	23.33	24.5	1.309	0.477	22.3
Back side	10	QPSK	20600/844	1:1	0.405	0.07	23.36	24.5	1.300	0.527	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20600/844	1:1	0.22	-0.07	21.92	23.5	1.439	0.317	22.3

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Back side	10	QPSK	20600/844	1:1	0.364	0.05	21.92	23.5	1.439	0.524	22.3
Left side	10	QPSK	20600/844	1:1	0.0891	0.1	21.92	23.5	1.439	0.128	22.3
Right side	10	QPSK	20600/844	1:1	0.276	0.06	21.92	23.5	1.439	0.397	22.3
Bottom side	10	QPSK	20600/844	1:1	0.186	0.09	21.92	23.5	1.439	0.268	22.3
Hotspot Test data at the worst case with Battery 2#											
Back side	10	QPSK	20600/844	1:1	0.424	0.06	23.38	24.5	1.294	0.549	22.3
Hotspot Test data at the worst case with Battery 3#											
Back side	10	QPSK	20600/844	1:1	0.411	0.11	23.38	24.5	1.294	0.532	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset)											
Left cheek	10	QPSK	20450/829	1:1	0.586	-0.06	19.66	20.5	1.213	0.711	22.3
Left tilted	10	QPSK	20450/829	1:1	0.447	-0.01	19.66	20.5	1.213	0.542	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.575	-0.04	19.61	20.5	1.227	0.706	22.3
Right tilted	10	QPSK	20525/836.5	1:1	0.49	0.05	19.61	20.5	1.227	0.601	22.3
Left cheek	10	QPSK	20525/836.5	1:1	0.566	-0.2	19.61	20.5	1.227	0.695	22.3
Left cheek	10	QPSK	20600/844	1:1	0.569	0.02	19.6	20.5	1.230	0.700	22.3
Head Test data(50%RB offset)											
Left cheek	10	QPSK	20450/829	1:1	0.584	-0.12	19.69	20.5	1.205	0.704	22.3
Left tilted	10	QPSK	20450/829	1:1	0.447	0.04	19.69	20.5	1.205	0.539	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.573	0.03	19.62	20.5	1.225	0.702	22.3
Right tilted	10	QPSK	20525/836.5	1:1	0.478	0.06	19.62	20.5	1.225	0.585	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	10	QPSK	20450/829	1:1	0.559	0.07	19.66	20.5	1.213	0.678	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	10	QPSK	20450/829	1:1	0.554	0.12	19.66	20.5	1.213	0.672	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.223	-0.04	23.71	24.5	1.199	0.267	22.3
Back side	10	QPSK	20450/829	1:1	0.219	0	23.71	24.5	1.199	0.263	22.3
Front side	10	QPSK	20525/836.5	1:1	0.221	0.12	23.65	24.5	1.216	0.269	22.3
Front side	10	QPSK	20600/844	1:1	0.22	0.14	23.63	24.5	1.222	0.269	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.155	0.14	22.13	23.5	1.371	0.212	22.3
Back side	10	QPSK	20450/829	1:1	0.152	0	22.13	23.5	1.371	0.208	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	20525/836.5	1:1	0.261	0.13	23.65	24.5	1.216	0.317	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	10	QPSK	20525/836.5	1:1	0.237	0.08	23.65	24.5	1.216	0.288	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.229	0.1	20.58	21.5	1.236	0.283	22.3
Back side	10	QPSK	20450/829	1:1	0.233	-0.02	20.58	21.5	1.236	0.288	22.3
Left side	10	QPSK	20450/829	1:1	0.0887	-0.01	20.58	21.5	1.236	0.110	22.3

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Right side	10	QPSK	20450/829	1:1	0.0211	0.06	20.58	21.5	1.236	0.026	22.3
Top side	10	QPSK	20450/829	1:1	0.157	0.05	20.58	21.5	1.236	0.194	22.3
Back side	10	QPSK	20525/836.5	1:1	0.199	-0.02	20.5	21.5	1.259	0.251	22.3
Back side	10	QPSK	20600/844	1:1	0.204	0.02	20.42	21.5	1.282	0.262	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.215	0.1	20.53	21.5	1.250	0.269	22.3
Back side	10	QPSK	20450/829	1:1	0.185	-0.04	20.53	21.5	1.250	0.231	22.3
Left side	10	QPSK	20450/829	1:1	0.0908	0.12	20.53	21.5	1.250	0.114	22.3
Right side	10	QPSK	20450/829	1:1	0.0197	0.16	20.53	21.5	1.250	0.025	22.3
Top side	10	QPSK	20450/829	1:1	0.155	0.07	20.53	21.5	1.250	0.194	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.143	0.16	18.53	19.5	1.250	0.179	22.3
Back side	10	QPSK	20450/829	1:1	0.144	0.05	18.53	19.5	1.250	0.180	22.3
Left side	10	QPSK	20450/829	1:1	0.0604	0.1	18.53	19.5	1.250	0.076	22.3
Right side	10	QPSK	20450/829	1:1	0.0132	0.01	18.53	19.5	1.250	0.017	22.3
Top side	10	QPSK	20450/829	1:1	0.102	0.06	18.53	19.5	1.250	0.128	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.145	0.17	18.56	19.5	1.242	0.180	22.3
Back side	10	QPSK	20450/829	1:1	0.144	0.03	18.56	19.5	1.242	0.179	22.3
Left side	10	QPSK	20450/829	1:1	0.0604	0.13	18.56	19.5	1.242	0.075	22.3
Right side	10	QPSK	20450/829	1:1	0.0127	0.12	18.56	19.5	1.242	0.016	22.3
Top side	10	QPSK	20450/829	1:1	0.102	0.01	18.56	19.5	1.242	0.127	22.3
Front side	10	QPSK	20525/836.5	1:1	0.13	-0.05	18.51	19.5	1.256	0.163	22.3
Front side	10	QPSK	20600/844	1:1	0.133	0.19	18.49	19.5	1.262	0.168	22.3
Hotspot Test Data at the worst case with Battery 2#											
Back side	10	QPSK	20450/829	1:1	0.208	0.08	20.58	21.5	1.236	0.257	22.3
Hotspot Test Data at the worst case with Battery 3#											
Back side	10	QPSK	20450/829	1:1	0.238	0.01	20.58	21.5	1.236	0.294	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset)											
Left cheek	10	QPSK	20450/829	1:1	0.158	-0.08	14.44	15.5	1.276	0.202	22.3

Table 25: SAR of LTE Band 5 for Head and Body(Original report E5/2018/20009).

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8.3.9 SAR Result of LTE Band 7

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	21100/2535	1:1	0.0548	0.04	22.86	23.8	1.242	0.068	22.3
Left tilted	20	QPSK	21100/2535	1:1	0.0853	-0.05	22.86	23.8	1.242	0.106	22.3
Right cheek	20	QPSK	21100/2535	1:1	0.0842	0.02	22.86	23.8	1.242	0.105	22.3
Right tilted	20	QPSK	21100/2535	1:1	0.0775	-0.17	22.86	23.8	1.242	0.096	22.3
Left tilted	20	QPSK	20850/2510	1:1	0.0722	0.08	22.82	23.8	1.253	0.090	22.3
Left tilted	20	QPSK	21350/2560	1:1	0.0888	0.05	22.83	23.8	1.250	0.111	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	21100/2535	1:1	0.042	0.05	21.29	22.8	1.416	0.059	22.3
Left tilted	20	QPSK	21100/2535	1:1	0.0564	0.04	21.29	22.8	1.416	0.080	22.3
Right cheek	20	QPSK	21100/2535	1:1	0.0566	0.03	21.29	22.8	1.416	0.080	22.3
Right tilted	20	QPSK	21100/2535	1:1	0.0618	0.06	21.29	22.8	1.416	0.087	22.3
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK	21350/2560	1:1	0.0909	-0.2	22.83	23.8	1.250	0.114	22.3
Head Test Data at the worst case with Battery 3#											
Left tilted	20	QPSK	21350/2560	1:1	0.099	0.02	22.83	23.8	1.250	0.124	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	21100/2535	1:1	0.337	-0.08	22.86	23.8	1.242	0.418	22.3
Back side	20	QPSK	21100/2535	1:1	0.294	-0.15	22.86	23.8	1.242	0.365	22.3
Front side	20	QPSK	20850/2510	1:1	0.273	-0.12	22.82	23.8	1.253	0.342	22.3
Front side	20	QPSK	21350/2560	1:1	0.327	0.12	22.83	23.8	1.250	0.409	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	21100/2535	1:1	0.228	0.18	21.29	22.8	1.416	0.323	22.3
Back side	20	QPSK	21100/2535	1:1	0.2	-0.09	21.29	22.8	1.416	0.283	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	21100/2535	1:1	0.289	-0.12	22.86	23.8	1.242	0.359	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	20	QPSK	21100/2535	1:1	0.295	0.16	22.86	23.8	1.242	0.366	22.3
Hotspot Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	21100/2535	1:1	0.311	0.05	19.86	20.8	1.242	0.386	22.3
Back side	20	QPSK	21100/2535	1:1	0.395	-0.05	19.86	20.8	1.242	0.490	22.3
Left side	20	QPSK	21100/2535	1:1	0.122	-0.03	19.86	20.8	1.242	0.151	22.3
Right side	20	QPSK	21100/2535	1:1	0.249	0.05	19.86	20.8	1.242	0.309	22.3
Bottom side	20	QPSK	21100/2535	1:1	0.611	0.02	19.86	20.8	1.242	0.759	22.3
Bottom side	20	QPSK	20850/2510	1:1	0.568	0.12	19.81	20.8	1.256	0.713	22.3
Bottom side	20	QPSK	21350/2560	1:1	0.735	0.03	19.82	20.8	1.253	0.921	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	21100/2535	1:1	0.302	0.07	19.79	20.8	1.262	0.381	22.3

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Back side	20	QPSK	21100/2535	1:1	0.366	0.04	19.79	20.8	1.262	0.462	22.3
Left side	20	QPSK	21100/2535	1:1	0.109	0.18	19.79	20.8	1.262	0.138	22.3
Right side	20	QPSK	21100/2535	1:1	0.234	0.15	19.79	20.8	1.262	0.295	22.3
Bottom side	20	QPSK	21100/2535	1:1	0.531	0.18	19.79	20.8	1.262	0.67	22.3
Hotspot Test Data(Separate 10mm 100%RB_0 offset)											
Bottom side	20	QPSK	21350/2560	1:1	0.676	0.01	19.71	20.8	1.285	0.869	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	21350/2560	1:1	0.6	0.01	19.82	20.8	1.253	0.752	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	21350/2560	1:1	0.619	0.06	19.82	20.8	1.253	0.776	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	21100/2535.5	1:1	0.428	0.06	15.89	16.3	1.099	0.470	22.3
Left tilted	20	QPSK	21100/2535.5	1:1	0.564	0.06	15.89	16.3	1.099	0.620	22.3
Right cheek	20	QPSK	21100/2535.5	1:1	0.516	0.17	14.94	15.3	1.086	0.561	22.3
Right tilted	20	QPSK	21100/2535.5	1:1	0.613	0.02	14.94	15.3	1.086	0.666	22.3
Head Test data(50%RB_50 offset)											
Left cheek	20	QPSK	21100/2535.5	1:1	0.408	0.1	15.79	16.3	1.125	0.459	22.3
Left tilted	20	QPSK	21100/2535.5	1:1	0.533	0.14	15.79	16.3	1.125	0.599	22.3
Right cheek	20	QPSK	21100/2535.5	1:1	0.492	0.07	14.72	15.3	1.143	0.562	22.3
Right tilted	20	QPSK	21100/2535.5	1:1	0.585	0.02	14.72	15.3	1.143	0.669	22.3
Right tilted	20	QPSK	20850/2510	1:1	0.559	0.18	14.71	15.3	1.146	0.640	22.3
Right tilted	20	QPSK	21350/2560	1:1	0.749	0.09	14.69	15.3	1.151	0.862	22.3
Head Test data(100%RB_0 offset)											
Right tilted	20	QPSK	20850/2510	1:1	0.573	0.02	14.75	15.3	1.135	0.650	22.3
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK	21350/2560	1:1	0.852	0.15	14.69	15.3	1.151	0.980	22.3
Right tilted -Repeated	20	QPSK	21350/2560	1:1	0.856	0.09	14.69	15.3	1.151	0.985	22.3
Head Test Data at the worst case with Battery 3#											
Right tilted	20	QPSK	21350/2560	1:1	0.673	0.09	14.69	15.3	1.151	0.774	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	20850/2510	1:1	0.0931	-0.08	18.28	19.3	1.265	0.118	22.3
Back side	20	QPSK	20850/2510	1:1	0.117	-0.05	18.28	19.3	1.265	0.148	22.3
Back side	20	QPSK	21100/2535.5	1:1	0.135	0.02	18.19	19.3	1.291	0.174	22.3
Back side	20	QPSK	21350/2560	1:1	0.156	-0.05	18.07	19.3	1.327	0.207	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20850/2510	1:1	0.0878	0.01	18.22	19.3	1.282	0.113	22.3
Back side	20	QPSK	20850/2510	1:1	0.109	-0.06	18.22	19.3	1.282	0.140	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	21350/2560	1:1	0.136	0.04	18.07	19.3	1.327	0.181	22.3

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Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	21350/2560	1:1	0.14	-0.01	18.07	19.3	1.327	0.186	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	20850/2510	1:1	0.078	0.03	15.3	16.3	1.259	0.098	22.3
Back side	20	QPSK	20850/2510	1:1	0.106	0.07	15.3	16.3	1.259	0.133	22.3
Left side	20	QPSK	20850/2510	1:1	0.0774	0.11	15.3	16.3	1.259	0.097	22.3
Right side	20	QPSK	20850/2510	1:1	0.0109	-0.03	15.3	16.3	1.259	0.014	22.3
Top side	20	QPSK	20850/2510	1:1	0.259	0.05	15.3	16.3	1.259	0.326	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20850/2510	1:1	0.0767	-0.02	15.28	16.3	1.265	0.097	22.3
Back side	20	QPSK	20850/2510	1:1	0.107	-0.07	15.28	16.3	1.265	0.135	22.3
Left side	20	QPSK	20850/2510	1:1	0.0708	-0.08	15.28	16.3	1.265	0.090	22.3
Right side	20	QPSK	20850/2510	1:1	0.0116	-0.04	15.28	16.3	1.265	0.015	22.3
Top side	20	QPSK	20850/2510	1:1	0.27	0.09	15.28	16.3	1.265	0.341	22.3
Top side	20	QPSK	21100/2535.5	1:1	0.319	0.04	15.12	16.3	1.312	0.419	22.3
Top side	20	QPSK	21350/2560	1:1	0.369	0.03	15.01	16.3	1.346	0.497	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	21100/2535.5	1:1	0.0775	-0.11	13.31	14.3	1.256	0.097	22.3
Back side	20	QPSK	21100/2535.5	1:1	0.12	-0.02	13.31	14.3	1.256	0.151	22.3
Left side	20	QPSK	21100/2535.5	1:1	0.0629	0.07	13.31	14.3	1.256	0.079	22.3
Right side	20	QPSK	21100/2535.5	1:1	0.00643	0.08	13.31	14.3	1.256	0.008	22.3
Top side	20	QPSK	21100/2535.5	1:1	0.201	0.19	13.31	14.3	1.256	0.252	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	21100/2535.5	1:1	0.0788	0.07	13.19	14.3	1.291	0.102	22.3
Back side	20	QPSK	21100/2535.5	1:1	0.108	-0.1	13.19	14.3	1.291	0.139	22.3
Left side	20	QPSK	21100/2535.5	1:1	0.0637	-0.1	13.19	14.3	1.291	0.082	22.3
Right side	20	QPSK	21100/2535.5	1:1	0.005	0.06	13.19	14.3	1.291	0.006	22.3
Top side	20	QPSK	21100/2535.5	1:1	0.205	0.16	13.19	14.3	1.291	0.265	22.3
Top side	20	QPSK	20850/2510	1:1	0.182	0.02	13.16	14.3	1.300	0.237	22.3
Top side	20	QPSK	21350/2560	1:1	0.201	0.19	13.03	14.3	1.340	0.269	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	21350/2560	1:1	0.366	0.05	15.01	16.3	1.346	0.493	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	21350/2560	1:1	0.307	0.02	15.01	16.3	1.346	0.413	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Right tilted	20	QPSK	21350/2560	1:1	0.206	-0.08	9.87	10.8	1.239	0.255	22.3
Additional Test data of back cover											
Head Test Data at the worst case with back cover 1											
Right tilted	20	QPSK	21350/2560	1:1	0.711	-0.04	14.69	15.3	1.151	0.818	22.3

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Head Test Data at the worst case with back cover 2											
Right tilted	20	QPSK	21350/2560	1:1	0.816	-0.02	14.69	15.3	1.151	0.939	22.3

Table 26: SAR of LTE Band 7 for Head and Body(Original report E5/2018/20009).

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test Data at the worst case with Battery 3#											
Left tilted	20	PCC QPSK 1RB_0	21350/2560	1:1	0.064	-0.02	20.83	22.80	1.574	0.101	22.1
	20	SCC QPSK 1RB_99	21152/2540.2	1:1							
Body worn Test Data at the worst case											
Front side	20	PCC QPSK 1RB_0	21100/2535.5	1:1	0.212	-0.01	21.86	22.80	1.242	0.263	22.1
	20	SCC QPSK 1RB_99	20902/2515.2	1:1							
Hotspot Test Data at the worst case											
Bottom side	20	PCC QPSK 1RB_0	21350/2560	1:1	0.296	-0.05	16.78	18.30	1.419	0.420	22.1
	20	SCC QPSK 1RB_99	21152/2540.2	1:1							
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test Data at the worst case with Battery 2#											
Right tilted	20	PCC QPSK 1RB_0	21350/2560	1:1	0.474	0.07	13.76	14.30	1.132	0.537	22.1
	20	SCC QPSK 1RB_99	21152/2540.2	1:1							
Body worn Test Data at the worst case											
Back side	20	PCC QPSK 1RB_0	21350/2560	1:1	0.095	-0.01	17.19	18.30	1.291	0.123	22.1
	20	SCC QPSK 1RB_99	21152/2540.2	1:1							
Hotspot Test Data at the worst case											
Top side	20	PCC QPSK 1RB_0	21350/2560	1:1	0.215	-0.11	14.72	15.30	1.143	0.246	22.1
	20	SCC QPSK 1RB_99	21152/2540.2	1:1							

Table 27: SAR of LTE Band 7 for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.10 SAR Result of LTE Band 12

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.099	0.12	22.97	24	1.268	0.125	22.3
Left tilted	10	QPSK	23130/711	1:1	0.082	-0.02	22.97	24	1.268	0.104	22.3
Right cheek	10	QPSK	23130/711	1:1	0.14	0.01	22.97	24	1.268	0.177	22.3
Right tilted	10	QPSK	23130/711	1:1	0.079	0.13	22.97	24	1.268	0.100	22.3
Right cheek	10	QPSK	23060/704	1:1	0.136	-0.01	22.9	24	1.288	0.175	22.3
Right cheek	10	QPSK	23095/707.5	1:1	0.147	-0.03	22.96	24	1.271	0.187	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.0782	-0.18	21.91	23	1.285	0.101	22.3
Left tilted	10	QPSK	23130/711	1:1	0.0617	0.2	21.91	23	1.285	0.079	22.3
Right cheek	10	QPSK	23130/711	1:1	0.109	0.12	21.91	23	1.285	0.140	22.3
Right tilted	10	QPSK	23130/711	1:1	0.0617	0.15	21.91	23	1.285	0.079	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23095/707.5	1:1	0.153	0.06	22.96	24	1.271	0.194	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	23095/707.5	1:1	0.145	0.02	22.96	24	1.271	0.184	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.197	0.02	22.97	24	1.268	0.250	22.3
Back side	10	QPSK	23130/711	1:1	0.251	0.01	22.97	24	1.268	0.318	22.3
Back side	10	QPSK	23060/704	1:1	0.227	-0.01	22.9	24	1.288	0.292	22.3
Back side	10	QPSK	23095/707.5	1:1	0.239	0.03	22.96	24	1.271	0.304	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.156	-0.01	21.91	23	1.285	0.201	22.3
Back side	10	QPSK	23130/711	1:1	0.202	0	21.91	23	1.285	0.260	22.3
Body worn Data at the worst case with Battery 2#											
Back side	10	QPSK	23130/711	1:1	0.26	-0.01	22.97	24	1.268	0.330	22.3
Body worn Data at the worst case with Battery 3#											
Back side	10	QPSK	23130/711	1:1	0.249	-0.03	22.97	24	1.268	0.316	22.3
Hotspot Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.272	-0.03	22.97	24	1.268	0.345	22.3
Back side	10	QPSK	23130/711	1:1	0.334	-0.01	22.97	24	1.268	0.423	22.3
Left side	10	QPSK	23130/711	1:1	0.316	0.06	22.97	24	1.268	0.401	22.3
Right side	10	QPSK	23130/711	1:1	0.349	0.04	22.97	24	1.268	0.442	22.3
Bottom side	10	QPSK	23130/711	1:1	0.176	0.07	22.97	24	1.268	0.223	22.3
Right side	10	QPSK	23060/704	1:1	0.178	0.11	22.9	24	1.288	0.229	22.3
Right side	10	QPSK	23095/707.5	1:1	0.19	0.12	22.96	24	1.271	0.241	22.3
Hotspot Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.215	0.01	21.91	23	1.285	0.276	22.3
Back side	10	QPSK	23130/711	1:1	0.27	0.03	21.91	23	1.285	0.347	22.3

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Left side	10	QPSK	23130/711	1:1	0.25	0.06	21.91	23	1.285	0.321	22.3
Right side	10	QPSK	23130/711	1:1	0.271	0.03	21.91	23	1.285	0.348	22.3
Bottom side	10	QPSK	23130/711	1:1	0.142	0.07	21.91	23	1.285	0.183	22.3
Hotspot Test Data at the worst case with Battery 2#											
Right side	10	QPSK	23130/711	1:1	0.241	0.13	22.97	24	1.268	0.306	22.3
Hotspot Test Data at the worst case with Battery 3#											
Right side	10	QPSK	23130/711	1:1	0.232	0.13	22.97	24	1.268	0.294	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset)											
Left cheek	10	QPSK	23130/711	1:1	0.64	0.05	20.77	21.5	1.183	0.757	22.3
Left tilted	10	QPSK	23130/711	1:1	0.525	-0.03	20.77	21.5	1.183	0.621	22.3
Right cheek	10	QPSK	23130/711	1:1	0.447	-0.05	20.21	21	1.199	0.536	22.3
Right tilted	10	QPSK	23130/711	1:1	0.548	0.07	20.21	21	1.199	0.657	22.3
Left cheek	10	QPSK	23060/704	1:1	0.55	0.16	20.7	21.5	1.202	0.661	22.3
Left cheek	10	QPSK	23095/707.5	1:1	0.623	0.02	20.74	21.5	1.191	0.742	22.3
Head Test data(50%RB offset)											
Left cheek	10	QPSK	23130/711	1:1	0.625	0.09	20.79	21.5	1.178	0.736	22.3
Left tilted	10	QPSK	23130/711	1:1	0.512	0.03	20.79	21.5	1.178	0.603	22.3
Right cheek	10	QPSK	23130/711	1:1	0.556	0.09	20.25	21	1.189	0.661	22.3
Right tilted	10	QPSK	23130/711	1:1	0.532	0.02	20.25	21	1.189	0.632	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	10	QPSK	23130/711	1:1	0.62	0.15	20.77	21.5	1.183	0.733	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	10	QPSK	23130/711	1:1	0.553	-0.09	20.77	21.5	1.183	0.654	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.156	-0.1	23.19	24	1.205	0.188	22.3
Back side	10	QPSK	23130/711	1:1	0.153	-0.05	23.19	24	1.205	0.184	22.3
Front side	10	QPSK	23060/704	1:1	0.116	-0.02	23.11	24	1.227	0.142	22.3
Front side	10	QPSK	23095/707.5	1:1	0.135	-0.03	23.18	24	1.208	0.163	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.116	-0.1	22.16	23	1.213	0.141	22.3
Back side	10	QPSK	23130/711	1:1	0.114	0.06	22.16	23	1.213	0.138	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23130/711	1:1	0.157	-0.01	23.19	24	1.205	0.189	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23130/711	1:1	0.183	-0.01	23.19	24	1.205	0.221	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.17	0.07	20.07	21	1.239	0.211	22.3
Back side	10	QPSK	23130/711	1:1	0.169	0.9	20.07	21	1.239	0.209	22.3
Left side	10	QPSK	23130/711	1:1	0.0641	0.08	20.07	21	1.239	0.079	22.3
Right side	10	QPSK	23130/711	1:1	0.0147	0.19	20.07	21	1.239	0.018	22.3

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Top side	10	QPSK	23130/711	1:1	0.143	0.06	20.07	21	1.239	0.177	22.3
Front side	10	QPSK	23060/704	1:1	0.132	0.07	20.02	21	1.253	0.165	22.3
Front side	10	QPSK	23095/707.5	1:1	0.155	0.06	20.02	21	1.253	0.194	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.156	0.07	20.08	21	1.236	0.193	22.3
Back side	10	QPSK	23130/711	1:1	0.156	0.13	20.08	21	1.236	0.193	22.3
Left side	10	QPSK	23130/711	1:1	0.0603	0.1	20.08	21	1.236	0.075	22.3
Right side	10	QPSK	23130/711	1:1	0.0137	-0.19	20.08	21	1.236	0.017	22.3
Top side	10	QPSK	23130/711	1:1	0.133	0.02	20.08	21	1.236	0.164	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.104	0.1	18.07	19	1.239	0.129	22.3
Back side	10	QPSK	23130/711	1:1	0.102	0.08	18.07	19	1.239	0.126	22.3
Left side	10	QPSK	23130/711	1:1	0.0399	0.11	18.07	19	1.239	0.049	22.3
Right side	10	QPSK	23130/711	1:1	0.00967	0.19	18.07	19	1.239	0.012	22.3
Top side	10	QPSK	23130/711	1:1	0.0932	0.02	18.07	19	1.239	0.115	22.3
Front side	10	QPSK	23060/704	1:1	0.0771	0.05	18.03	19	1.250	0.096	22.3
Front side	10	QPSK	23095/707.5	1:1	0.0906	0.11	18.05	19	1.245	0.113	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.0956	0.05	18.1	19	1.230	0.118	22.3
Back side	10	QPSK	23130/711	1:1	0.0952	0.06	18.1	19	1.230	0.117	22.3
Left side	10	QPSK	23130/711	1:1	0.0372	0.14	18.1	19	1.230	0.046	22.3
Right side	10	QPSK	23130/711	1:1	0.00867	0.07	18.1	19	1.230	0.011	22.3
Top side	10	QPSK	23130/711	1:1	0.0852	0.09	18.1	19	1.230	0.105	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23130/711	1:1	0.183	0.08	20.07	21	1.239	0.227	22.3
Hotspot Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23130/711	1:1	0.192	0.01	20.07	21	1.239	0.238	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset)											
Left cheek	10	QPSK	23130/711	1:1	0.142	0.04	15.6	16.5	1.230	0.175	22.3

Table 28: SAR of LTE Band 12 for Head and Body(Original report E5/2018/20009)..

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8.3.11 SAR Result of LTE Band 17

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.1	-0.14	22.98	24	1.265	0.126	22.3
Left tilted	10	QPSK	23800/711	1:1	0.079	0.08	22.98	24	1.265	0.100	22.3
Right cheek	10	QPSK	23800/711	1:1	0.14	0.11	22.98	24	1.265	0.177	22.3
Right tilted	10	QPSK	23800/711	1:1	0.0772	0.05	22.98	24	1.265	0.098	22.3
Right cheek	10	QPSK	23780/709	1:1	0.148	-0.09	22.91	24	1.285	0.190	22.3
Right cheek	10	QPSK	23790/710	1:1	0.151	-0.1	22.86	24	1.300	0.196	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.082	0.04	21.88	23	1.294	0.106	22.3
Left tilted	10	QPSK	23800/711	1:1	0.0608	0.02	21.88	23	1.294	0.079	22.3
Right cheek	10	QPSK	23800/711	1:1	0.108	0.15	21.88	23	1.294	0.140	22.3
Right tilted	10	QPSK	23800/711	1:1	0.0597	0.03	21.88	23	1.294	0.077	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23790/710	1:1	0.15	0.02	22.86	24	1.300	0.195	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	23790/710	1:1	0.146	-0.06	22.86	24	1.300	0.190	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.193	0	22.98	24	1.265	0.244	22.3
Back side	10	QPSK	23800/711	1:1	0.245	-0.02	22.98	24	1.265	0.31	22.3
Back side	10	QPSK	23780/709	1:1	0.244	0	22.91	24	1.285	0.314	22.3
Back side	10	QPSK	23790/710	1:1	0.246	0.01	22.86	24	1.300	0.32	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.153	0.01	21.88	23	1.294	0.198	22.3
Back side	10	QPSK	23800/711	1:1	0.194	-0.01	21.88	23	1.294	0.251	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	10	QPSK	23790/710	1:1	0.263	-0.03	22.86	24	1.300	0.342	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	10	QPSK	23790/710	1:1	0.25	-0.08	22.86	24	1.300	0.325	22.3
Hotspot Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.264	0.01	22.98	24	1.265	0.334	22.3
Back side	10	QPSK	23800/711	1:1	0.32	-0.03	22.98	24	1.265	0.405	22.3
Left side	10	QPSK	23800/711	1:1	0.305	0.02	22.98	24	1.265	0.386	22.3
Right side	10	QPSK	23800/711	1:1	0.348	0.03	22.98	24	1.265	0.44	22.3
Bottom side	10	QPSK	23800/711	1:1	0.176	0.07	22.98	24	1.265	0.223	22.3
Right side	10	QPSK	23780/709	1:1	0.338	-0.01	22.91	24	1.285	0.434	22.3
Right side	10	QPSK	23790/710	1:1	0.346	-0.01	22.86	24	1.300	0.45	22.3
Hotspot Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.21	0.01	21.88	23	1.294	0.272	22.3
Back side	10	QPSK	23800/711	1:1	0.256	-0.01	21.88	23	1.294	0.331	22.3

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Left side	10	QPSK	23800/711	1:1	0.243	0.02	21.88	23	1.294	0.314	22.3
Right side	10	QPSK	23800/711	1:1	0.272	0	21.88	23	1.294	0.352	22.3
Bottom side	10	QPSK	23800/711	1:1	0.139	0.02	21.88	23	1.294	0.180	22.3
Hotspot Test Data at the worst case with Battery 2#											
Right side	10	QPSK	23790/710	1:1	0.343	-0.06	22.86	24	1.300	0.446	22.3
Hotspot Test Data at the worst case with Battery 3#											
Right side	10	QPSK	23790/710	1:1	0.335	0.03	22.86	24	1.300	0.436	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset_49)											
Left cheek	10	QPSK	23800/711	1:1	0.511	-0.03	19.72	20.5	1.197	0.612	22.3
Left tilted	10	QPSK	23800/711	1:1	0.417	0.08	19.72	20.5	1.197	0.499	22.3
Right cheek	10	QPSK	23800/711	1:1	0.57	-0.02	20.25	21	1.189	0.677	22.3
Right tilted	10	QPSK	23800/711	1:1	0.536	0.07	20.25	21	1.189	0.637	22.3
Right cheek	10	QPSK	23780/709	1:1	0.539	0.01	20.16	21	1.213	0.654	22.3
Right cheek	10	QPSK	23790/710	1:1	0.577	0.14	20.18	21	1.208	0.697	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.479	0.02	19.74	20.5	1.191	0.571	22.3
Left tilted	10	QPSK	23800/711	1:1	0.398	0.05	19.74	20.5	1.191	0.474	22.3
Right cheek	10	QPSK	23800/711	1:1	0.547	0.01	20.2	21	1.202	0.658	22.3
Right tilted	10	QPSK	23800/711	1:1	0.518	0.05	20.2	21	1.202	0.623	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23790/710	1:1	0.612	-0.01	20.18	21	1.208	0.739	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	23790/710	1:1	0.579	0.06	20.18	21	1.208	0.699	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23780/709	1:1	0.143	0.02	23.11	24	1.227	0.176	22.3
Back side	10	QPSK	23780/709	1:1	0.14	-0.06	23.11	24	1.227	0.172	22.3
Front side	10	QPSK	23790/710	1:1	0.133	0.14	23.08	24	1.236	0.164	22.3
Front side	10	QPSK	23800/711	1:1	0.138	0.13	23.06	24	1.242	0.171	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23780/709	1:1	0.104	-0.09	22.13	23	1.222	0.127	22.3
Back side	10	QPSK	23780/709	1:1	0.107	-0.04	22.13	23	1.222	0.131	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23780/709	1:1	0.144	0.02	23.11	24	1.227	0.177	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23780/709	1:1	0.17	0.02	23.11	24	1.227	0.209	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.169	-0.07	20.05	21	1.245	0.210	22.3
Back side	10	QPSK	23800/711	1:1	0.167	0.12	20.05	21	1.245	0.208	22.3
Left side	10	QPSK	23800/711	1:1	0.0639	0.08	20.05	21	1.245	0.080	22.3
Right side	10	QPSK	23800/711	1:1	0.0144	0.08	20.05	21	1.245	0.018	22.3

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Top side	10	QPSK	23800/711	1:1	0.144	0.07	20.05	21	1.245	0.179	22.3
Front side	10	QPSK	23780/709	1:1	0.165	0.06	19.99	21	1.262	0.208	22.3
Front side	10	QPSK	23790/710	1:1	0.172	0.15	20.03	21	1.250	0.215	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.155	0.08	20.5	21	1.122	0.174	22.3
Back side	10	QPSK	23800/711	1:1	0.154	0.05	20.5	21	1.122	0.173	22.3
Left side	10	QPSK	23800/711	1:1	0.0587	0.13	20.5	21	1.122	0.066	22.3
Right side	10	QPSK	23800/711	1:1	0.0137	0.04	20.5	21	1.122	0.015	22.3
Top side	10	QPSK	23800/711	1:1	0.13	0.04	20.5	21	1.122	0.146	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.102	-0.05	18.08	19	1.236	0.126	22.3
Back side	10	QPSK	23800/711	1:1	0.102	0.17	18.08	19	1.236	0.126	22.3
Left side	10	QPSK	23800/711	1:1	0.0394	0	18.08	19	1.236	0.049	22.3
Right side	10	QPSK	23800/711	1:1	0.00908	0.14	18.08	19	1.236	0.011	22.3
Top side	10	QPSK	23800/711	1:1	0.0913	0.03	18.08	19	1.236	0.113	22.3
Front side	10	QPSK	23780/709	1:1	0.0937	0.02	18.06	19	1.242	0.116	22.3
Front side	10	QPSK	23790/710	1:1	0.0975	0.04	18.05	19	1.245	0.121	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.0939	0.2	18.07	19	1.239	0.116	22.3
Back side	10	QPSK	23800/711	1:1	0.0934	0.14	18.07	19	1.239	0.116	22.3
Left side	10	QPSK	23800/711	1:1	0.0388	-0.04	18.07	19	1.239	0.048	22.3
Right side	10	QPSK	23800/711	1:1	0.00872	0.01	18.07	19	1.239	0.011	22.3
Top side	10	QPSK	23800/711	1:1	0.0841	0.07	18.07	19	1.239	0.104	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23790/710	1:1	0.172	0.05	20.03	21	1.250	0.215	22.3
Hotspot Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23790/710	1:1	0.182	0.04	20.03	21	1.250	0.228	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset_0)											
Left cheek	10	QPSK	23800/711	1:1	0.111	-0.02	14.61	15.5	1.227	0.136	22.3
Right cheek	10	QPSK	23790/710	1:1	0.142	0.01	15.07	16	1.239	0.176	22.3

Table 29: SAR of LTE Band 17 for Head and Body(Original report E5/2018/20009)..

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8.3.12 SAR Result of LTE Band 26

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_38 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.0844	0.03	22.94	24	1.276	0.108	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.0524	0.08	22.94	24	1.276	0.067	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.139	0.09	22.94	24	1.276	0.177	22.3
Right tilted	15	QPSK	26775/822.5	1:1	0.0573	0.01	22.94	24	1.276	0.073	22.3
Right cheek	15	QPSK	26865/831.5	1:1	0.161	-0.12	22.88	24	1.294	0.208	22.3
Right cheek	15	QPSK	26965/841.5	1:1	0.197	0.06	22.93	24	1.279	0.252	22.3
Head Test data(50%RB_18 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.0585	0.06	21.45	23	1.429	0.084	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.0365	0.04	21.45	23	1.429	0.052	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.0968	0.02	21.45	23	1.429	0.138	22.3
Right tilted	15	QPSK	26775/822.5	1:1	0.0399	0.01	21.45	23	1.429	0.057	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK	26965/841.5	1:1	0.2	0.14	22.93	24	1.279	0.256	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	15	QPSK	26965/841.5	1:1	0.173	0.1	22.93	24	1.279	0.221	22.3
Body worn Test data(Separate 15mm 1RB_38 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.164	-0.08	22.94	24	1.276	0.209	22.3
Back side	15	QPSK	26775/822.5	1:1	0.202	0.07	22.94	24	1.276	0.258	22.3
Back side	15	QPSK	26865/831.5	1:1	0.229	0.07	22.88	24	1.294	0.296	23.3
Back side	15	QPSK	26965/841.5	1:1	0.256	0.06	22.93	24	1.279	0.328	24.3
Body worn Test data (Separate 15mm 50%RB_18 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.115	-0.04	21.45	23	1.429	0.164	22.3
Back side	15	QPSK	26775/822.5	1:1	0.143	0.05	21.45	23	1.429	0.204	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	15	QPSK	26965/841.5	1:1	0.26	0.04	22.93	24	1.279	0.333	22.3
Body worn Test data at the worst case with Battery 3#											
Back side	15	QPSK	26965/841.5	1:1	0.272	0.12	22.93	24	1.279	0.348	22.3
Hotspot Test data(Separate 10mm 1RB_38 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.227	-0.05	22.94	24	1.276	0.290	22.3
Back side	15	QPSK	26775/822.5	1:1	0.294	0.05	22.94	24	1.276	0.375	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0964	0.05	22.94	24	1.276	0.123	22.3
Right side	15	QPSK	26775/822.5	1:1	0.256	0.03	22.94	24	1.276	0.327	22.3
Bottom side	15	QPSK	26775/822.5	1:1	0.173	0.04	22.94	24	1.276	0.221	22.3
Back side	15	QPSK	26865/831.5	1:1	0.337	0.03	22.88	24	1.294	0.436	23.3
Back side	15	QPSK	26965/841.5	1:1	0.385	0.04	22.93	24	1.279	0.493	24.3
Hotspot Test data (Separate 10mm 50%RB_18 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.159	-0.05	21.45	23	1.429	0.227	22.3

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Back side	15	QPSK	26775/822.5	1:1	0.206	0.06	21.45	23	1.429	0.294	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0675	0.06	21.45	23	1.429	0.096	22.3
Right side	15	QPSK	26775/822.5	1:1	0.182	0.05	21.45	23	1.429	0.260	22.3
Bottom side	15	QPSK	26775/822.5	1:1	0.12	0.04	21.45	23	1.429	0.171	22.3
Hotspot Test data at the worst case with Battery 2#											
Back side	15	QPSK	26965/841.5	1:1	0.385	0.04	22.93	24	1.279	0.493	22.3
Hotspot Test data at the worst case with Battery 3#											
Back side	15	QPSK	26965/841.5	1:1	0.369	0.13	22.93	24	1.279	0.472	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.489	0.07	18.66	19.5	1.213	0.593	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.38	0.01	18.66	19.5	1.213	0.461	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.539	0.11	19.15	20	1.216	0.656	22.3
Right tilted	15	QPSK	26775/822.5	1:1	0.443	0	19.15	20	1.216	0.539	22.3
Head Test data(50%RB_0 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.493	-0.01	18.78	19.5	1.180	0.582	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.387	0.09	18.78	19.5	1.180	0.457	22.3
Right cheek	15	QPSK	26865/831.5	1:1	0.556	-0.02	19.2	20	1.202	0.668	22.3
Right tilted	15	QPSK	26865/831.5	1:1	0.45	0.02	19.2	20	1.202	0.541	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.499	0.04	19.19	20	1.205	0.601	22.3
Right cheek	15	QPSK	26965/841.5	1:1	0.501	-0.05	19.12	20	1.225	0.614	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK	26865/831.5	1:1	0.489	0.04	19.2	20	1.202	0.588	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	15	QPSK	26865/831.5	1:1	0.488	0.04	19.2	20	1.202	0.587	22.3
Body worn Test data(Separate 15mm 1RB_38 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.203	0.12	23.09	24	1.233	0.250	22.3
Back side	15	QPSK	26775/822.5	1:1	0.21	0.01	23.09	24	1.233	0.259	22.3
Back side	15	QPSK	26865/831.5	1:1	0.209	-0.05	23.02	24	1.253	0.262	22.3
Back side	15	QPSK	26965/841.5	1:1	0.211	-0.02	23.02	24	1.253	0.264	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.145	0.11	21.66	23	1.361	0.197	22.3
Back side	15	QPSK	26775/822.5	1:1	0.151	0.2	21.66	23	1.361	0.206	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	15	QPSK	26965/841.5	1:1	0.23	0.14	23.02	24	1.253	0.288	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	15	QPSK	26965/841.5	1:1	0.204	0	23.02	24	1.253	0.256	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.214	0.12	20.03	21	1.250	0.268	22.3
Back side	15	QPSK	26775/822.5	1:1	0.204	-0.01	20.03	21	1.250	0.255	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0879	0.05	20.03	21	1.250	0.110	22.3

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Right side	15	QPSK	26775/822.5	1:1	0.023	-0.16	20.03	21	1.250	0.029	22.3
Top side	15	QPSK	26775/822.5	1:1	0.16	0.02	20.03	21	1.250	0.200	22.3
Front side	15	QPSK	26865/831.5	1:1	0.211	0.1	19.95	21	1.274	0.269	22.3
Front side	15	QPSK	26965/841.5	1:1	0.18	0.14	19.93	21	1.279	0.230	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.215	0.1	20.17	21	1.211	0.260	22.3
Back side	15	QPSK	26775/822.5	1:1	0.206	-0.05	20.17	21	1.211	0.249	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0892	0.07	20.17	21	1.211	0.108	22.3
Right side	15	QPSK	26775/822.5	1:1	0.0227	0.01	20.17	21	1.211	0.027	22.3
Top side	15	QPSK	26775/822.5	1:1	0.16	0.01	20.17	21	1.211	0.194	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 1RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.111	0.1	18.07	19	1.239	0.138	22.3
Back side	15	QPSK	26775/822.5	1:1	0.115	0.02	18.07	19	1.239	0.142	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0494	0.08	18.07	19	1.239	0.061	22.3
Right side	15	QPSK	26775/822.5	1:1	0.00989	-0.19	18.07	19	1.239	0.012	22.3
Top side	15	QPSK	26775/822.5	1:1	0.0862	0.05	18.07	19	1.239	0.107	22.3
Back side	15	QPSK	26865/831.5	1:1	0.112	0.06	17.96	19	1.271	0.142	22.3
Back side	15	QPSK	26965/841.5	1:1	0.11	0.06	17.99	19	1.262	0.139	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.112	0.14	18.1	19	1.230	0.138	22.3
Back side	15	QPSK	26775/822.5	1:1	0.115	0.05	18.1	19	1.230	0.141	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0498	0.1	18.1	19	1.230	0.061	22.3
Right side	15	QPSK	26775/822.5	1:1	0.00973	0.17	18.1	19	1.230	0.012	22.3
Top side	15	QPSK	26775/822.5	1:1	0.0867	0.04	18.1	19	1.230	0.107	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	15	QPSK	26865/831.5	1:1	0.188	0.1	19.95	21	1.274	0.239	22.3
Hotspot Test Data at the worst case with Battery 3#											
Front side	15	QPSK	26865/831.5	1:1	0.207	0.14	19.95	21	1.274	0.264	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.124	0.08	13.44	14.5	1.276	0.158	22.3

Table 30: SAR of LTE Band 26 for Head and Body(Original report E5/2018/20009)..

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8.3.13 SAR Result of LTE Band 38

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_50 offset)											
Left cheek	20	QPSK	38150/2610	1:1.58	0.0549	0.03	22.92	24	1.282	0.070	22.3
Left tilted	20	QPSK	38150/2610	1:1.58	0.0637	0.01	22.92	24	1.282	0.082	22.3
Right cheek	20	QPSK	38150/2610	1:1.58	0.075	0	22.92	24	1.282	0.096	22.3
Right tilted	20	QPSK	38150/2610	1:1.58	0.0603	0.06	22.92	24	1.282	0.077	22.3
Right cheek	20	QPSK	37850/2580	1:1.58	0.0402	0.01	22.66	24	1.361	0.055	22.3
Right cheek	20	QPSK	38000/2595	1:1.58	0.0589	-0.03	22.77	24	1.327	0.078	22.3
Head Test data(50%RB_50 offset)											
Left cheek	20	QPSK	38150/2610	1:1.58	0.0383	0.00	22.24	23	1.191	0.046	22.3
Left tilted	20	QPSK	38150/2610	1:1.58	0.0484	0.01	22.24	23	1.191	0.058	22.3
Right cheek	20	QPSK	38150/2610	1:1.58	0.0574	0.05	22.24	23	1.191	0.068	22.3
Right tilted	20	QPSK	38150/2610	1:1.58	0.0456	0.05	22.24	23	1.191	0.054	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK	38150/2610	1:1.58	0.0732	0.06	22.92	24	1.282	0.094	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	20	QPSK	38150/2610	1:1.58	0.0826	0.06	22.92	24	1.282	0.106	22.3
Body worn Test data(Separate 15mm 1RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.28	-0.08	22.92	24	1.282	0.359	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.293	-0.03	22.92	24	1.282	0.376	22.3
Back side	20	QPSK	37850/2580	1:1.58	0.26	-0.06	22.66	24	1.361	0.354	22.3
Back side	20	QPSK	38000/2595	1:1.58	0.269	0.1	22.77	24	1.327	0.357	22.3
Body worn Test data (Separate 15mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.223	0.07	22.24	23	1.191	0.266	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.236	0.03	22.24	23	1.191	0.281	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	38150/2610	1:1.58	0.287	-0.03	22.92	24	1.282	0.368	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	38150/2610	1:1.58	0.268	-0.03	22.92	24	1.282	0.344	22.3
Hotspot Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.31	-0.17	21.38	22	1.153	0.358	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.329	0.05	21.38	22	1.153	0.379	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.133	0.05	21.38	22	1.153	0.153	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.227	0.1	21.38	22	1.153	0.262	22.3
Bottom side	20	QPSK	38150/2610	1:1.58	0.584	0.02	21.38	22	1.153	0.674	22.3
Bottom side	20	QPSK	37850/2580	1:1.58	0.535	0.1	21.28	22	1.180	0.631	22.3
Bottom side	20	QPSK	38000/2595	1:1.58	0.584	0.06	21.26	22	1.186	0.692	22.3
Hotspot Test data (Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.301	0.05	21.32	22	1.169	0.352	22.3

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Back side	20	QPSK	38150/2610	1:1.58	0.319	0.08	21.32	22	1.169	0.373	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.126	0.1	21.32	22	1.169	0.147	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.223	0.19	21.32	22	1.169	0.261	22.3
Bottom side	20	QPSK	38150/2610	1:1.58	0.562	0.03	21.32	22	1.169	0.657	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	38000/2595	1:1.58	0.607	0.16	21.26	22	1.186	0.72	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	38000/2595	1:1.58	0.585	0.16	21.26	22	1.186	0.694	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	38000/2595	1:1.58	0.419	0.09	16.99	17.5	1.125	0.471	22.3
Left tilted	20	QPSK	38000/2595	1:1.58	0.526	0.05	16.99	17.5	1.125	0.592	22.3
Right cheek	20	QPSK	38000/2595	1:1.58	0.596	0.16	16.15	16.5	1.084	0.646	22.3
Right tilted	20	QPSK	38000/2595	1:1.58	0.653	0.06	16.15	16.5	1.084	0.708	22.3
Right tilted	20	QPSK	37850/2580	1:1.58	0.659	0.17	16.02	16.5	1.117	0.736	22.3
Right tilted	20	QPSK	38150/2610	1:1.58	0.68	0.05	16.10	16.5	1.096	0.746	22.3
Head Test data(50%RB_50 offset)											
Left cheek	20	QPSK	38000/2595	1:1.58	0.422	0.02	16.93	17.5	1.140	0.481	22.3
Left tilted	20	QPSK	38000/2595	1:1.58	0.525	0.09	16.93	17.5	1.140	0.599	22.3
Right cheek	20	QPSK	38000/2595	1:1.58	0.583	-0.01	16.14	16.5	1.086	0.633	22.3
Right tilted	20	QPSK	38000/2595	1:1.58	0.652	0.12	16.14	16.5	1.086	0.708	22.3
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK	38150/2610	1:1.58	0.728	0.01	16.10	16.5	1.096	0.798	22.3
Head Test Data at the worst case with Battery 3#											
Right tilted	20	QPSK	38150/2610	1:1.58	0.534	-0.04	16.10	16.5	1.096	0.586	22.3
Body worn Test data(Separate 15mm 1RB_99offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.111	-0.07	19.2	19.5	1.072	0.119	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.133	-0.16	19.2	19.5	1.072	0.143	22.3
Body worn Test data (Separate 15mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.111	-0.09	19.14	19.5	1.086	0.121	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.136	-0.13	19.14	19.5	1.086	0.148	22.3
Back side	20	QPSK	37850/2580	1:1.58	0.132	0.13	19.02	19.5	1.117	0.147	22.3
Back side	20	QPSK	38000/2595	1:1.58	0.133	-0.15	18.96	19.5	1.132	0.151	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	38000/2595	1:1.58	0.142	0.07	18.96	19.5	1.132	0.161	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	38000/2595	1:1.58	0.106	-0.06	18.96	19.5	1.132	0.120	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0839	-0.06	16.29	16.5	1.050	0.088	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.115	-0.01	16.29	16.5	1.050	0.121	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.062	-0.16	16.29	16.5	1.050	0.065	22.3

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Right side	20	QPSK	38150/2610	1:1.58	0.00718	0.15	16.29	16.5	1.050	0.008	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.3	0.07	16.29	16.5	1.050	0.315	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0836	-0.04	16.13	16.5	1.089	0.091	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.114	0.03	16.13	16.5	1.089	0.124	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.0645	0.06	16.13	16.5	1.089	0.070	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.012	0.18	16.13	16.5	1.089	0.013	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.299	0.06	16.13	16.5	1.089	0.326	22.3
Top side	20	QPSK	37850/2580	1:1.58	0.256	0.09	15.95	16.5	1.135	0.291	22.3
Top side	20	QPSK	38000/2595	1:1.58	0.279	0.04	15.97	16.5	1.130	0.315	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0533	0.04	14.19	14.5	1.074	0.057	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.0749	0.04	14.19	14.5	1.074	0.080	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.0418	-0.17	14.19	14.5	1.074	0.045	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.00492	-0.09	14.19	14.5	1.074	0.005	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.185	0.09	14.19	14.5	1.074	0.199	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0544	-0.01	14.12	14.5	1.091	0.059	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.0755	-0.04	14.12	14.5	1.091	0.082	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.0248	-0.08	14.12	14.5	1.091	0.027	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.00417	-0.08	14.12	14.5	1.091	0.005	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.184	0.01	14.12	14.5	1.091	0.201	22.3
Top side	20	QPSK	37850/2580	1:1.58	0.16	0.03	13.9	14.5	1.148	0.184	22.3
Top side	20	QPSK	38000/2595	1:1.58	0.173	0.19	13.95	14.5	1.135	0.196	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	38150/2610	1:1.58	0.344	0.06	16.13	16.5	1.089	0.375	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	38150/2610	1:1.58	0.271	0.16	16.13	16.5	1.089	0.295	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Right tilted	20	QPSK	38150/2610	1:1.58	0.199	0.1	10.80	11.5	1.175	0.234	22.3

Table 31: SAR of LTE Band 38 for Head and Body(Original report E5/2018/20009).

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Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test Data at the worst case											
Right cheek	20	PCC QPSK 1RB_0	38150/2610	1:1.58	0.038	-0.11	21.46	23.00	1.426	0.054	22.1
	20	SCC QPSK 1RB_99	37952/2590.2	1:1.58							
Body worn Test Data at the worst case											
Back side	20	PCC QPSK 1RB_0	38150/2610	1:1.58	0.140	0.09	21.46	23.00	1.426	0.200	22.1
	20	SCC QPSK 1RB_99	37952/2590.2	1:1.58							
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	PCC QPSK 1RB_0	38150/2610	1:1.58	0.380	-0.02	18.52	19.50	1.253	0.476	22.1
	20	SCC QPSK 1RB_99	37952/2590.2	1:1.58							
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test Data at the worst case with Battery 2#											
Right tilted	20	PCC QPSK 1RB_0	38150/2610	1:1.58	0.490	0.05	14.69	15.50	1.205	0.590	22.1
	20	SCC QPSK 1RB_99	37952/2590.2	1:1.58							
Body worn Test Data at the worst case with Battery 2#											
Back side	20	PCC QPSK 1RB_0	38150/2610	1:1.58	0.104	0.02	17.58	18.50	1.236	0.129	22.1
	20	SCC QPSK 1RB_99	37952/2590.2	1:1.58							
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	PCC QPSK 1RB_0	38150/2610	1:1.58	0.241	0.04	14.69	15.50	1.205	0.290	22.1
	20	SCC QPSK 1RB_99	37952/2590.2	1:1.58							

Table 32: SAR of LTE Band 38 for Head and Body(Variant)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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8.3.14 SAR Result of LTE Band 41

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RBoffset)											
Left cheek	20	QPSK 1RB_50	40840/2615	1:1.58	0.035	0.00	22.29	23.00	1.178	0.041	22.1
Left tilted	20	QPSK 1RB_50	40840/2615	1:1.58	0.028	-0.06	22.29	23.00	1.178	0.033	22.1
Right cheek	20	QPSK 1RB_50	40840/2615	1:1.58	0.034	0.08	22.29	23.00	1.178	0.039	22.1
Right tilted	20	QPSK 1RB_50	40840/2615	1:1.58	0.030	0.09	22.29	23.00	1.178	0.036	22.1
Left cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.036	-0.07	21.81	23.00	1.315	0.048	22.1
Left cheek	20	QPSK 1RB_50	40540/2585	1:1.58	0.039	0.03	22.21	23.00	1.199	0.046	22.1
Left cheek	20	QPSK 1RB_50	41140/2645	1:1.58	0.044	-0.06	22.29	23.00	1.178	0.051	22.1
Left cheek	20	PCC QPSK 1RB_0	41140/2645	1:1.58	0.038	-0.01	21.22	23.00	1.507	0.057	22.1
	20	SCC QPSK 1RB_99	40942/2625.2	1:1.58							
Head Test data(50%RBoffset)											
Left cheek	20	QPSK 50RB_0	40840/2615	1:1.58	0.031	0.07	21.33	22.00	1.167	0.036	22.1
Left tilted	20	QPSK 50RB_0	40840/2615	1:1.58	0.018	0.01	21.33	22.00	1.167	0.021	22.1
Right cheek	20	QPSK 50RB_0	40840/2615	1:1.58	0.025	0.02	21.33	22.00	1.167	0.030	22.1
Right tilted	20	QPSK 50RB_0	40840/2615	1:1.58	0.023	0.09	21.33	22.00	1.167	0.027	22.1
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_50	41140/2645	1:1.58	0.033	-0.02	22.29	23.00	1.178	0.039	22.1
Head Test Data at the worst case with Battery 3#											
Left cheek	20	QPSK 1RB_50	41140/2645	1:1.58	0.031	0.03	22.29	23.00	1.178	0.036	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_50	40840/2615	1:1.58	0.140	0.03	22.29	23.00	1.178	0.165	22.1
Back side	20	QPSK 1RB_50	40840/2615	1:1.58	0.168	0.02	22.29	23.00	1.178	0.198	22.1
Back side	20	QPSK 1RB_50	40240/2555	1:1.58	0.127	-0.04	21.81	23.00	1.315	0.167	22.1
Back side	20	QPSK 1RB_50	40540/2585	1:1.58	0.168	-0.09	22.21	23.00	1.199	0.202	22.1
Back side	20	QPSK 1RB_50	41140/2645	1:1.58	0.164	0.20	22.29	23.00	1.178	0.193	22.1
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK 50RB_0	40840/2615	1:1.58	0.120	-0.01	21.33	22.00	1.167	0.140	22.1
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.141	0.01	21.33	22.00	1.167	0.165	22.1
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK 1RB_50	40540/2585	1:1.58	0.192	-0.08	22.21	23.00	1.199	0.230	22.1
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK 1RB_50	40540/2585	1:1.58	0.206	-0.03	22.21	23.00	1.199	0.247	22.1
Back side	20	PCC QPSK 1RB_0	40540/2585	1:1.58	0.205	-0.05	21.50	23.00	1.413	0.290	22.1
	20	SCC QPSK 1RB_99	40342/2565.2	1:1.58							

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Hotspot Test data(Separate 10mm 1RB offset)											
Front side	20	QPSK 1RB_99	40540/2585	1:1.58	0.194	-0.09	20.44	21.00	1.138	0.221	22.1
Back side	20	QPSK 1RB_99	40540/2585	1:1.58	0.223	-0.05	20.44	21.00	1.138	0.254	22.1
Left side	20	QPSK 1RB_99	40540/2585	1:1.58	0.079	-0.16	20.44	21.00	1.138	0.090	22.1
Right side	20	QPSK 1RB_99	40540/2585	1:1.58	0.100	-0.03	20.44	21.00	1.138	0.114	22.1
Bottom side	20	QPSK 1RB_99	40540/2585	1:1.58	0.412	0.12	20.44	21.00	1.138	0.469	22.1
Hotspot Test data (Separate 10mm 50%RB offset)											
Front side	20	QPSK 50RB_25	41140/2645	1:1.58	0.179	-0.03	20.26	21.00	1.186	0.212	22.1
Back side	20	QPSK 50RB_25	41140/2645	1:1.58	0.202	-0.04	20.26	21.00	1.186	0.240	22.1
Left side	20	QPSK 50RB_25	41140/2645	1:1.58	0.068	0.10	20.26	21.00	1.186	0.080	22.1
Right side	20	QPSK 50RB_25	41140/2645	1:1.58	0.092	-0.19	20.26	21.00	1.186	0.110	22.1
Bottom side	20	QPSK 50RB_25	41140/2645	1:1.58	0.440	-0.03	20.26	21.00	1.186	0.522	22.1
Bottom side	20	QPSK 50RB_0	40240/2555	1:1.58	0.312	0.01	20.07	21.00	1.239	0.387	22.1
Bottom side	20	QPSK 50RB_50	40540/2585	1:1.58	0.415	-0.02	20.24	21.00	1.191	0.494	22.1
Bottom side	20	QPSK 50RB_0	40840/2615	1:1.58	0.425	-0.01	20.24	21.00	1.191	0.506	22.1
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK 50RB_25	41140/2645	1:1.58	0.443	0.00	20.26	21.00	1.186	0.525	22.1
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK 50RB_25	41140/2645	1:1.58	0.473	-0.02	20.26	21.00	1.186	0.561	22.1
Bottom side	20	PCC QPSK 1RB_0	41140/2645	1:1.58	0.458	0.09	20.35	21.00	1.161	0.532	22.1
	20	SCC QPSK 1RB_99	40942/2625.2	1:1.58							
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RBoffset)											
Left cheek	20	QPSK 1RB_99	40240/2555	1:1.58	0.161	0.04	15.71	16.50	1.199	0.193	22.1
Left tilted	20	QPSK 1RB_99	40240/2555	1:1.58	0.196	-0.05	15.71	16.50	1.199	0.235	22.1
Right cheek	20	QPSK 1RB_99	40240/2555	1:1.58	0.225	0.00	15.30	16.00	1.175	0.264	22.1
Right tilted	20	QPSK 1RB_99	40240/2555	1:1.58	0.255	-0.02	15.30	16.00	1.175	0.300	22.1
Head Test data(50%RBoffset)											
Left cheek	20	QPSK 50RB_50	40840/2615	1:1.58	0.190	-0.01	15.64	16.50	1.219	0.232	22.1
Left tilted	20	QPSK 50RB_50	40840/2615	1:1.58	0.211	0.00	15.64	16.50	1.219	0.257	22.1
Right cheek	20	QPSK 50RB_0	41140/2645	1:1.58	0.273	0.00	15.19	16.00	1.205	0.329	22.1
Right tilted	20	QPSK 50RB_0	41140/2645	1:1.58	0.305	-0.11	15.19	16.00	1.205	0.368	22.1
Right tilted	20	QPSK 50RB_50	40240/2555	1:1.58	0.264	0.18	15.16	16.00	1.213	0.320	22.1
Right tilted	20	QPSK 50RB_0	40540/2585	1:1.58	0.280	0.08	14.99	16.00	1.262	0.353	22.1
Right tilted	20	QPSK 50RB_50	40840/2615	1:1.58	0.237	0.13	14.98	16.00	1.265	0.300	22.1
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK 50RB_0	41140/2645	1:1.58	0.353	0.00	15.19	16.00	1.205	0.425	22.1

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Head Test Data at the worst case with Battery 3#											
Right tilted	20	QPSK 50RB_0	41140/2645	1:1.58	0.356	0.05	15.19	16.00	1.205	0.429	22.1
Right tilted	20	PCC QPSK 1RB_0	41140/2645	1:1.58	0.409	-0.03	15.46	16.00	1.132	0.463	22.1
	20	SCC QPSK 1RB_99	40942/2625.2	1:1.58							
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	40240/2555	1:1.58	0.057	-0.01	17.48	19.00	1.419	0.080	22.1
Back side	20	QPSK 1RB_99	40240/2555	1:1.58	0.076	0.09	17.48	19.00	1.419	0.108	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	41140/2645	1:1.58	0.066	0.00	17.40	19.00	1.445	0.095	22.1
Back side	20	QPSK 50RB_0	41140/2645	1:1.58	0.092	0.09	17.40	19.00	1.445	0.133	22.1
Back side	20	QPSK 50RB_0	40240/2555	1:1.58	0.082	0.09	17.32	19.00	1.472	0.120	22.1
Back side	20	QPSK 50RB_0	40540/2585	1:1.58	0.091	0.02	17.25	19.00	1.496	0.137	22.1
Back side	20	PCC QPSK 1RB_0	40540/2585	1:1.58	0.096	0.04	17.79	19.00	1.321	0.127	22.1
	20	SCC QPSK 1RB_99	40342/2565.2	1:1.58							
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.085	0.18	17.27	19.00	1.489	0.126	22.1
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK 50RB_0	40540/2585	1:1.58	0.083	-0.08	17.25	19.00	1.496	0.124	22.1
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK 50RB_0	40540/2585	1:1.58	0.080	-0.07	17.25	19.00	1.496	0.119	22.1
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK 1RB_99	40240/2555	1:1.58	0.058	0.06	15.30	16.00	1.175	0.068	22.1
Back side	20	QPSK 1RB_99	40240/2555	1:1.58	0.073	0.05	15.30	16.00	1.175	0.086	22.1
Left side	20	QPSK 1RB_99	40240/2555	1:1.58	0.035	0.08	15.30	16.00	1.175	0.041	22.1
Right side	20	QPSK 1RB_99	40240/2555	1:1.58	0.013	-0.07	15.30	16.00	1.175	0.015	22.1
Top side	20	QPSK 1RB_99	40240/2555	1:1.58	0.195	-0.03	15.30	16.00	1.175	0.229	22.1
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK 50RB_0	41140/2645	1:1.58	0.082	-0.14	15.19	16.00	1.205	0.099	22.1
Back side	20	QPSK 50RB_0	41140/2645	1:1.58	0.107	-0.11	15.19	16.00	1.205	0.129	22.1
Left side	20	QPSK 50RB_0	41140/2645	1:1.58	0.058	-0.04	15.19	16.00	1.205	0.070	22.1
Right side	20	QPSK 50RB_0	41140/2645	1:1.58	0.019	-0.04	15.19	16.00	1.205	0.023	22.1
Top side	20	QPSK 50RB_0	41140/2645	1:1.58	0.231	0.11	15.19	16.00	1.205	0.278	22.1
Top side	20	QPSK 50RB_50	40240/2555	1:1.58	0.194	-0.03	15.16	16.00	1.213	0.235	22.1
Top side	20	QPSK 50RB_0	40540/2585	1:1.58	0.230	-0.18	14.99	16.00	1.262	0.290	22.1
Top side	20	QPSK 50RB_50	40840/2615	1:1.58	0.252	0.09	14.98	16.00	1.265	0.319	22.1
Top side	20	PCC QPSK 1RB_99	40840/2615	1:1.58	0.218	-0.19	12.98	13.70	1.180	0.257	22.1
	20	SCC QPSK 1RB_0	41038/2634.8								
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK 1RB_50	40240/2555	1:1.58	0.032	-0.04	12.72	13.70	1.253	0.040	22.1
Back side	20	QPSK 1RB_50	40240/2555	1:1.58	0.041	-0.07	12.72	13.70	1.253	0.052	22.1
Left side	20	QPSK 1RB_50	40240/2555	1:1.58	0.025	-0.03	12.72	13.70	1.253	0.032	22.1

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Right side	20	QPSK 1RB_50	40240/2555	1:1.58	0.006	-0.09	12.72	13.70	1.253	0.008	22.1
Top side	20	QPSK 1RB_50	40240/2555	1:1.58	0.106	-0.08	12.72	13.70	1.253	0.133	22.1
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK 50RB_0	40240/2555	1:1.58	0.034	0.05	12.80	13.70	1.230	0.042	22.1
Back side	20	QPSK 50RB_0	40240/2555	1:1.58	0.046	0.04	12.80	13.70	1.230	0.057	22.1
Left side	20	QPSK 50RB_0	40240/2555	1:1.58	0.028	-0.04	12.80	13.70	1.230	0.034	22.1
Right side	20	QPSK 50RB_0	40240/2555	1:1.58	0.007	-0.09	12.80	13.70	1.230	0.009	22.1
Top side	20	QPSK 50RB_0	40240/2555	1:1.58	0.120	-0.05	12.80	13.70	1.230	0.148	22.1
Top side	20	QPSK 50RB_0	40540/2585	1:1.58	0.138	-0.04	12.48	13.70	1.324	0.183	22.1
Top side	20	QPSK 50RB_0	40840/2615	1:1.58	0.152	-0.07	12.41	13.70	1.346	0.205	22.1
Top side	20	QPSK 50RB_0	41140/2645	1:1.58	0.146	-0.08	12.49	13.70	1.321	0.193	22.1
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK 50RB_50	40840/2615	1:1.58	0.227	-0.15	14.98	16.00	1.265	0.287	22.1
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK 50RB_50	40840/2615	1:1.58	0.239	0.08	14.98	16.00	1.265	0.302	22.1

Table 33: SAR of LTE Band 41 for Head and Body(Variant).

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.15 SAR Result of 2.4GHz WIFI

WiFi 1 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	802.11b	6/2437	100.00%	1	0.246	-0.01	12.84	13.5	1.164	0.286	22
Left tilted	802.11b	6/2437	100.00%	1	0.246	0.03	12.84	13.5	1.164	0.286	22
Right cheek	802.11b	6/2437	100.00%	1	0.208	0.08	12.84	13.5	1.164	0.242	22
Right tilted	802.11b	6/2437	100.00%	1	0.225	-0.1	12.84	13.5	1.164	0.262	22
Left tilted	802.11b	1/2412	100.00%	1	0.19	0.01	11.78	12.5	1.180	0.224	22
Left tilted	802.11b	11/2462	100.00%	1	0.271	0.02	12.65	13.5	1.216	0.330	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11b	11/2462	100.00%	1	0.26	0.08	12.65	13.5	1.216	0.316	22
Head Test Data at the worst case with Battery 3#											
Left tilted	802.11b	11/2462	100.00%	1	0.391	0.13	12.65	13.5	1.216	0.476	22
Body worn Test data(Separate 15mm)											
Front side	802.11b	11/2462	89.98%	1.111	0.0527	-0.05	16.28	18	1.486	0.087	22
Back side	802.11b	11/2462	89.98%	1.111	0.0595	-0.06	16.28	18	1.486	0.098	22
Back side	802.11b	1/2412	89.98%	1.111	0.0462	-0.01	15.19	17	1.517	0.078	22
Back side	802.11b	6/2437	89.98%	1.111	0.077	0.01	16.22	18	1.507	0.129	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11b	6/2437	89.98%	1.111	0.096	0.15	16.22	18	1.507	0.161	22
Body worn Test Data at the worst case with Battery 3#											
Back side	802.11b	6/2437	89.98%	1.111	0.109	0.03	16.22	18	1.507	0.182	22
Hotspot Test data (Separate 10mm)											
Front side	802.11b	11/2462	89.98%	1.111	0.0954	0.18	16.28	18	1.486	0.157	22
Back side	802.11b	11/2462	89.98%	1.111	0.164	-0.08	16.28	18	1.486	0.271	22
Right side	802.11b	11/2462	89.98%	1.111	0.0721	0.06	16.28	18	1.486	0.119	22
Top side	802.11b	11/2462	89.98%	1.111	0.181	0.08	16.28	18	1.486	0.299	22
Top side	802.11b	1/2412	89.98%	1.111	0.13	0.07	15.19	17	1.517	0.219	22
Top side	802.11b	6/2437	89.98%	1.111	0.198	0.01	16.22	18	1.507	0.331	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11b	6/2437	89.98%	1.111	0.216	0.1	16.22	18	1.507	0.362	22
Hotspot Test Data at the worst case with Battery 3#											
Top side	802.11b	6/2437	89.98%	1.111	0.454	-0.04	16.22	18	1.507	0.760	22

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WiFi 2 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	802.11b	6/2437	89.77%	1.114	0.274	0.07	13.72	15.5	1.507	0.460	22
Left tilted	802.11b	6/2437	89.77%	1.114	0.365	0.2	13.72	15.5	1.507	0.613	22
Right cheek	802.11b	6/2437	89.77%	1.114	0.405	0.01	13.72	15.5	1.507	0.680	22
Right tilted	802.11b	6/2437	89.77%	1.114	0.547	0.05	13.72	15.5	1.507	0.918	22
Right tilted	802.11b	1/2412	89.77%	1.114	0.481	-0.13	13.66	15.5	1.528	0.819	22
Right tilted	802.11b	11/2462	89.77%	1.114	0.533	0.12	13.57	15.5	1.560	0.926	22
Head Test Data at the worst case with Battery 2#											
Right tilted	802.11b	11/2462	89.77%	1.114	0.49	0.01	13.57	15.5	1.560	0.764	22.3
Head Test Data at the worst case with Battery 3#											
Right tilted	802.11b	11/2462	89.77%	1.114	0.254	0.01	13.57	15.5	1.560	0.396	22.3
Body worn Test data(Separate 15mm)											
Front side	802.11b	6/2437	89.75%	1.114	0.039	-0.02	13.99	15.5	1.416	0.062	22
Back side	802.11b	6/2437	89.75%	1.114	0.0481	0.03	13.99	15.5	1.416	0.076	22
Back side	802.11b	1/2412	89.75%	1.114	0.0412	0.06	13.65	15.5	1.531	0.070	22
Back side	802.11b	11/2462	89.75%	1.114	0.0409	0.08	13.76	15.5	1.493	0.068	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11b	6/2437	89.75%	1.114	0.052	0.05	13.99	15.5	1.416	0.082	22
Body worn Test Data at the worst case with Battery 3#											
Back side	802.11b	6/2437	89.75%	1.114	0.0171	-0.09	13.99	15.5	1.416	0.027	22
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	89.75%	1.114	0.0722	0.01	13.99	15.5	1.416	0.114	22
Back side	802.11b	6/2437	89.75%	1.114	0.0865	0.02	13.99	15.5	1.416	0.136	22
Left side	802.11b	6/2437	89.75%	1.114	0.0659	0.02	13.99	15.5	1.416	0.104	22
Top side	802.11b	6/2437	89.75%	1.114	0.204	0.02	13.99	15.5	1.416	0.322	22
Top side	802.11b	1/2412	89.75%	1.114	0.157	0.04	13.65	15.5	1.531	0.268	22
Top side	802.11b	11/2462	89.75%	1.114	0.193	0.03	13.76	15.5	1.493	0.321	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11b	6/2437	89.75%	1.114	0.235	0.01	13.99	15.5	1.416	0.371	22
Hotspot Test Data at the worst case with Battery 3#											
Top side	802.11b	6/2437	89.75%	1.114	0.135	0.01	13.99	15.5	1.416	0.213	22

Table 34: SAR of 2.4GHz WIFI for Head and Body(Original report E5/2018/20009).

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8.3.16 SAR Result of 5GHz WIFI

WiFi 1 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data U-NII-2A											
Left cheek	802.11ac	54/5270	91.21%	1.096	0.352	-0.02	10.88	11.5	1.153	0.445	22
Left tilted	802.11ac	54/5270	91.21%	1.096	0.262	0.02	10.88	11.5	1.153	0.331	22
Right cheek	802.11ac	54/5270	91.21%	1.096	0.234	0.03	10.88	11.5	1.153	0.296	22
Right tilted	802.11ac	54/5270	91.21%	1.096	0.241	0.14	10.88	11.5	1.153	0.305	22
Left cheek	802.11ac	62/5310	91.21%	1.096	0.34	0.03	10.83	11.5	1.167	0.435	22
Head Test data U-NII-2C											
Left cheek	802.11ac	134/5670	91.21%	1.096	0.257	0.08	10.47	11.5	1.268	0.357	22
Left tilted	802.11ac	134/5670	91.21%	1.096	0.202	0.06	10.47	11.5	1.268	0.281	22
Right cheek	802.11ac	134/5670	91.21%	1.096	0.115	0.07	10.47	11.5	1.268	0.160	22
Right tilted	802.11ac	134/5670	91.21%	1.096	0.106	0.04	10.47	11.5	1.268	0.147	22
Left cheek	802.11ac	102/5510	91.21%	1.096	0.439	0.01	10.45	11.5	1.274	0.613	22
Left cheek	802.11ac	142/5710	91.21%	1.096	0.252	0.07	10.37	11.5	1.297	0.358	22
Head Test data U-NII-3											
Left cheek	802.11ac	151/5755	91.21%	1.096	0.214	0.08	10.42	10.5	1.019	0.239	22
Left tilted	802.11ac	151/5755	91.21%	1.096	0.181	0.06	10.42	10.5	1.019	0.202	22
Right cheek	802.11ac	151/5755	91.21%	1.096	0.0975	0.05	10.42	10.5	1.019	0.109	22
Right tilted	802.11ac	151/5755	91.21%	1.096	0.0797	0.05	10.42	10.5	1.019	0.089	22
Left cheek	802.11ac	159/5795	91.21%	1.096	0.175	0.03	10.25	10.5	1.059	0.203	22
Head Test Data at the worst case with Battery 2#											
Left cheek	802.11ac	102/5510	91.21%	1.096	0.381	0.02	10.45	11.5	1.274	0.532	22
Head Test Data at the worst case with Battery 3#											
Left cheek	802.11ac	102/5510	91.21%	1.096	0.319	-0.09	10.45	11.5	1.274	0.445	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	56/5280	93.36%	1.071	0.0391	-0.06	15.86	16.5	1.159	0.049	22
Back side	802.11a	56/5280	93.36%	1.071	0.0162	-0.03	15.86	16.5	1.159	0.020	22
Front side	802.11a	52/5260	93.36%	1.071	0.0269	0	15.85	16.5	1.161	0.033	22
Front side	802.11a	64/5320	93.36%	1.071	0.0204	-0.05	13.14	14	1.219	0.027	22
Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11a	116/5580	93.36%	1.071	0.0441	0.01	15.51	16.5	1.256	0.059	22
Back side	802.11a	116/5580	93.36%	1.071	0.0274	-0.09	15.51	16.5	1.256	0.037	22
Front side	802.11a	104/5520	93.36%	1.071	0.059	0	15.48	16.5	1.265	0.080	22
Front side	802.11a	136/5680	93.36%	1.071	0.0256	-0.05	15.47	16.5	1.268	0.035	22
Front side	802.11a	100/5500	93.36%	1.071	0.0257	0	12.67	14	1.358	0.037	22

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Front side	802.11a	144/5720	93.36%	1.071	0.011	0.04	13.09	14	1.233	0.015	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11a	157/5785	93.36%	1.071	0.0125	0.01	15.21	16.5	1.346	0.018	22
Back side	802.11a	157/5785	93.36%	1.071	0.00894	-0.01	15.21	16.5	1.346	0.013	22
Front side	802.11a	149/5745	93.36%	1.071	0.0155	0.05	15.12	16.5	1.374	0.023	22
Front side	802.11a	165/5825	93.36%	1.071	0.0159	0	14.87	16	1.297	0.022	22
Body worn Data at the worst case with Battery 2#											
Front side	802.11a	104/5520	93.36%	1.071	0.0397	0	15.48	16.5	1.265	0.054	22
Body worn Data at the worst case with Battery 3#											
Front side	802.11a	104/5520	93.36%	1.071	0.052	-0.02	15.48	16.5	1.265	0.070	22
Hotspot Test data U-NII-1(Separate 10mm)											
Front side	802.11a	40/5200	93.36%	1.071	0.07	0.02	15.83	16.5	1.167	0.087	22
Back side	802.11a	40/5200	93.36%	1.071	0.041	0.06	15.83	16.5	1.167	0.051	22
Right side	802.11a	40/5200	93.36%	1.071	0.0279	-0.03	15.83	16.5	1.167	0.035	22
Top side	802.11a	40/5200	93.36%	1.071	0.0617	0.08	15.83	16.5	1.167	0.077	22
Front side	802.11a	36/5180	93.36%	1.071	0.0205	-0.06	13.12	14	1.225	0.027	22
Front side	802.11a	48/5240	93.36%	1.071	0.0629	-0.02	15.82	16.5	1.169	0.079	22
Hotspot Test data U-NII-3(Separate 10mm)											
Front side	802.11a	157/5785	93.36%	1.071	0.0334	0.07	15.21	16.5	1.346	0.048	22
Back side	802.11a	157/5785	93.36%	1.071	0.0239	0	15.21	16.5	1.346	0.034	22
Right side	802.11a	157/5785	93.36%	1.071	0.0112	0	15.21	16.5	1.346	0.016	22
Top side	802.11a	157/5785	93.36%	1.071	0.034	0.01	15.21	16.5	1.346	0.049	22
Top side	802.11a	149/5745	93.36%	1.071	0.0427	0.01	15.12	16.5	1.374	0.063	22
Top side	802.11a	165/5825	93.36%	1.071	0.0338	-0.04	14.87	16	1.297	0.047	22
Hotspot Test Data at the worst case with Battery 2#											
Front side	802.11a	40/5200	93.36%	1.071	0.0685	0.05	15.83	16.5	1.167	0.086	22
Hotspot Test Data at the worst case with Battery 3#											
Front side	802.11a	40/5200	93.36%	1.071	0.065	0.04	15.83	16.5	1.167	0.081	22
WiFi 2 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data U-NII-2A											
Left cheek	802.11a	56/5280	93.52%	1.069	0.112	0.03	9.25	9.5	1.059	0.127	22
Left tilted	802.11a	56/5280	93.52%	1.069	0.134	0.01	9.25	9.5	1.059	0.152	22
Right cheek	802.11a	56/5280	93.52%	1.069	0.146	0.06	9.25	9.5	1.059	0.165	22
Right tilted	802.11a	56/5280	93.52%	1.069	0.214	0.01	9.25	9.5	1.059	0.242	22
Right tilted	802.11a	52/5260	93.52%	1.069	0.205	0.06	9.19	9.5	1.074	0.235	22
Right tilted	802.11a	64/5320	93.52%	1.069	0.22	0.06	9.15	9.5	1.084	0.255	22

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Head Test data U-NII-2C											
Left cheek	802.11a	116/5580	93.52%	1.069	0.106	0.02	8.91	9.5	1.146	0.130	22
Left tilted	802.11a	116/5580	93.52%	1.069	0.12	0.09	8.91	9.5	1.146	0.147	22
Right cheek	802.11a	116/5580	93.52%	1.069	0.18	-0.09	8.91	9.5	1.146	0.220	22
Right tilted	802.11a	116/5580	93.52%	1.069	0.157	0.09	8.91	9.5	1.146	0.192	22
Right cheek	802.11a	100/5500	93.52%	1.069	0.203	0.06	8.67	9.5	1.211	0.263	22
Right cheek	802.11a	144/5720	93.52%	1.069	0.124	-0.03	8.45	9.5	1.274	0.169	22
Head Test data U-NII-3											
Left cheek	802.11a	157/5785	93.52%	1.069	0.0793	0.08	8.75	9.5	1.189	0.101	22
Left tilted	802.11a	157/5785	93.52%	1.069	0.0977	-0.09	8.75	9.5	1.189	0.124	22
Right cheek	802.11a	157/5785	93.52%	1.069	0.0973	0	8.75	9.5	1.189	0.124	22
Right tilted	802.11a	157/5785	93.52%	1.069	0.1	0.03	8.75	9.5	1.189	0.127	22
Right tilted	802.11a	149/5745	93.52%	1.069	0.0983	0	8.48	9.5	1.265	0.133	22
Right tilted	802.11a	165/5825	93.52%	1.069	0.0615	0.06	8.71	9.5	1.199	0.079	22
Head Test Data at the worst case with Battery 2#											
Right cheek	802.11a	100/5500	93.52%	1.069	0.273	0.06	8.67	9.5	1.211	0.353	22
Head Test Data at the worst case with Battery 3#											
Right cheek	802.11a	100/5500	93.52%	1.069	0.224	0.1	8.67	9.5	1.211	0.290	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	56/5280	93.52%	1.069	0.000862	0.02	9.25	9.5	1.059	0.001	22
Back side	802.11a	56/5280	93.52%	1.069	0.00532	0	9.25	9.5	1.059	0.006	22
Back side	802.11a	52/5260	93.52%	1.069	0.000422	-0.05	9.19	9.5	1.074	0.000	22
Back side	802.11a	64/5320	93.52%	1.069	0.00299	-0.09	9.15	9.5	1.084	0.003	22
Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11a	116/5580	93.52%	1.069	0.00203	0.09	8.91	9.5	1.146	0.002	22
Back side	802.11a	116/5580	93.52%	1.069	0.00343	0	8.91	9.5	1.146	0.004	22
Back side	802.11a	100/5500	93.52%	1.069	0.0131	0	8.67	9.5	1.211	0.017	22
Back side	802.11a	144/5720	93.52%	1.069	0.0141	-0.09	8.45	9.5	1.274	0.019	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11a	157/5785	93.52%	1.069	0.0069	-0.04	8.75	9.5	1.189	0.009	22
Back side	802.11a	157/5785	93.52%	1.069	0.02	-0.07	8.75	9.5	1.189	0.025	22
Back side	802.11a	149/5745	93.52%	1.069	0.0137	0.02	8.48	9.5	1.265	0.019	22
Back side	802.11a	165/5825	93.52%	1.069	0.0114	0.04	8.71	9.5	1.199	0.015	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11a	157/5785	93.52%	1.069	0.0133	0.01	8.75	9.5	1.189	0.017	22
Body worn Test Data at the worst case with Battery 3#											
Back side	802.11a	157/5785	93.52%	1.069	0.00469	0	8.75	9.5	1.189	0.006	22

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Hotspot Test data U-NII-1(Separate 10mm)											
Front side	802.11a	40/5200	93.52%	1.069	0.00175	0.04	9.20	9.5	1.072	0.002	22
Back side	802.11a	40/5200	93.52%	1.069	0.00861	0	9.20	9.5	1.072	0.010	22
Left side	802.11a	40/5200	93.52%	1.069	0.000489	-0.07	9.20	9.5	1.072	0.001	22
Top side	802.11a	40/5200	93.52%	1.069	0.00554	0	9.20	9.5	1.072	0.006	22
Back side	802.11a	36/5180	93.52%	1.069	0.00703	-0.07	8.95	9	1.012	0.008	22
Back side	802.11a	48/5240	93.52%	1.069	0.00639	-0.01	9.15	9.5	1.084	0.007	22
Hotspot Test data U-NII-3(Separate 10mm)											
Front side	802.11a	157/5785	93.52%	1.069	0.0172	0	8.75	9.5	1.189	0.022	22
Back side	802.11a	157/5785	93.52%	1.069	0.035	-0.06	8.75	9.5	1.189	0.044	22
Left side	802.11a	157/5785	93.52%	1.069	0.00416	-0.01	8.75	9.5	1.189	0.005	22
Top side	802.11a	157/5785	93.52%	1.069	0.011	0	8.75	9.5	1.189	0.014	22
Back side	802.11a	149/5745	93.52%	1.069	0.00525	0	8.48	9.5	1.265	0.007	22
Back side	802.11a	165/5825	93.52%	1.069	0.0108	-0.07	8.71	9.5	1.199	0.014	22
Hotspot Test Data at the worst case with Battery 2#											
Back side	802.11a	157/5785	93.52%	1.069	0.0143	0	8.75	9.5	1.189	0.018	22
Hotspot Test Data at the worst case with Battery 3#											
Back side	802.11a	157/5785	93.52%	1.069	0.00609	-0.02	8.75	9.5	1.189	0.008	22

Table 35: SAR of 5GHz WIFI for Head and Body(Original report E5/2018/20009).

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8.3.17 SAR Result of Bluetooth

Ant1 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	DH5	39/2441	100.00%	1	0.231	0.16	10.5	11	1.122	0.259	22
Left tilted	DH5	39/2441	100.00%	1	0.248	0.11	10.5	11	1.122	0.278	22
Right cheek	DH5	39/2441	100.00%	1	0.149	0.06	10.5	11	1.122	0.167	22
Right tilted	DH5	39/2441	100.00%	1	0.178	0.11	10.5	11	1.122	0.200	22
Left tilted	DH5	0/2402	100.00%	1	0.186	0.15	9.7	10.5	1.202	0.224	22
Left tilted	DH5	78/2480	100.00%	1	0.184	0.14	9.6	10.5	1.230	0.226	22
Head Test Data at the worst case with Battery 2#											
Left tilted	DH5	39/2441	100.00%	1	0.187	0.19	10.5	11	1.122	0.210	22
Head Test Data at the worst case with Battery 3#											
Left tilted	DH5	39/2441	100.00%	1	0.281	0.19	10.5	11	1.122	0.315	22
Body worn Test data(Separate 15mm)											
Front side	DH5	39/2441	100.00%	1	0.0193	-0.03	10.5	11	1.122	0.022	22
Back side	DH5	39/2441	100.00%	1	0.0218	0.05	10.5	11	1.122	0.024	22
Back side	DH5	0/2402	100.00%	1	0.0153	-0.04	9.7	10.5	1.202	0.018	22
Back side	DH5	78/2480	100.00%	1	0.024	-0.01	9.6	10.5	1.230	0.030	22
Body worn Test Data at the worst case with Battery 2#											
Back side	DH5	78/2480	100.00%	1	0.021	0.07	9.6	10.5	1.230	0.026	22
Body worn Test Data at the worst case with Battery 3#											
Back side	DH5	78/2480	100.00%	1	0.0191	-0.08	9.6	10.5	1.230	0.023	22
Hotspot Test data (Separate 10mm)											
Front side	DH5	39/2441	100.00%	1	0.0372	-0.03	10.5	11	1.122	0.042	22
Back side	DH5	39/2441	100.00%	1	0.0431	-0.05	10.5	11	1.122	0.048	22
Right side	DH5	39/2441	100.00%	1	0.0145	-0.02	10.5	11	1.122	0.016	22
Top side	DH5	39/2441	100.00%	1	0.0687	0.09	10.5	11	1.122	0.077	22
Top side	DH5	0/2402	100.00%	1	0.0566	0.09	9.7	10.5	1.202	0.068	22
Top side	DH5	78/2480	100.00%	1	0.0659	0.08	9.6	10.5	1.230	0.081	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	DH5	78/2480	100.00%	1	0.0605	0.11	9.6	10.5	1.230	0.074	22
Hotspot Test Data at the worst case with Battery 3#											
Top side	DH5	78/2480	100.00%	1	0.078	0.02	9.6	10.5	1.230	0.096	22

Table 36: SAR of Bluetooth for Head and Body(Original report E5/2018/20009).

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8.4 Multiple Transmitter Evaluation

8.4.1 Simultaneous SAR test evaluation

1) Simultaneous Transmission Combination

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 2) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 2)+ BT	N/A	Yes	Yes	Yes
5	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	N/A	Yes
6	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1)	N/A	Yes	Yes	Yes
7	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	N/A	Yes
8	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1)	N/A	Yes	Yes	Yes
9	UMTS (Ant 1) + BT	Yes	Yes	Yes	Yes
10	UMTS (Ant 2) + BT	Yes	Yes	Yes	Yes
11	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes	Yes
12	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes	Yes
13	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes	Yes
14	LTE(Ant 1) + BT	Yes	Yes	Yes	Yes
15	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes	Yes
16	LTE (Ant 2) + BT	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	N/A	Yes
20	GSM DATA(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	N/A	Yes	Yes	Yes
21	UMTS (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
22	UMTS (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
23	LTE (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
24	LTE (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
25	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes	Yes
27	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes	Yes
29	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
30	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes

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31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
33	GSM Voice(Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes	Yes
35	GSM Voice(Ant 2) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
36	GSM DATA (Ant 2)+ BT+5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes	Yes
37	UMTS (Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
38	UMTS (Ant 2) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
39	LTE (Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
40	LTE (Ant 2) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes

Note:

- 1) Neither Wi-Fi 2.4G Ant.1 nor Wi-Fi 2.4G Ant.2 can transmit simultaneously with Bluetooth.
- 2) Wi-Fi 5G Ant.1 can transmit simultaneously with Bluetooth and Ant.2 also can transmit simultaneously with Bluetooth.
- 3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2*2 CDD/MIMO function.
- 4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2*2 CDD/MIMO function.
- 5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant1 station mode and Wi-Fi 5G Ant2 P-to-P mode or Wi-Fi 2.4G Ant1 P-to-P mode and Wi-Fi 5G Ant2 P-to-P mode can transmit simultaneously.
- 6) The device does not support DTM function.
- 7) * VoLTE or pre-installed VOIP applications are considered.
- 8) The 2G/3G/4G Main Antenna and 2G/3G/4G Second Antenna can't transmit simultaneously.
- 9) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 10) The device supports Vo-WIFI function.
- 11) Neither 2G/3G/4G Main Antenna nor 2G/3G/4G Second Antenna can transmit simultaneously with WIFI 2.4G ant 2.

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2) Simultaneous Transmission SAR Summation Scenario

Test position	Main Antenna SARmax (W/kg)														WiFi Antenna SARmax (W/kg)						Summed 1g SARmax (W/kg)		
	GSM 850	GSM1 900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Ant1	WLAN 2.4G Ant2	WLAN 5G Ant1	WLAN 5G Ant2	WLAN 2.4G MIMO	WLAN 5G MIMO		BT	
Head	Left Touch	0.256	0.150	0.255	0.144	0.188	0.199	0.128	0.138	0.088	0.125	0.126	0.108	0.070	0.057	0.288	0.460	0.813	0.130	0.748	0.743	0.259	1.258
	Left Tilt	0.165	0.031	0.058	0.040	0.116	0.066	0.057	0.104	0.124	0.104	0.100	0.067	0.082	0.033	0.476	0.613	0.331	0.152	1.089	0.483	0.315	0.963
	Right Touch	0.376	0.064	0.124	0.102	0.321	0.118	0.067	0.278	0.105	0.194	0.196	0.256	0.115	0.039	0.242	0.680	0.296	0.353	0.922	0.649	0.167	1.192
Body worn	Right Tilt	0.149	0.042	0.084	0.069	0.109	0.095	0.049	0.091	0.098	0.100	0.098	0.073	0.077	0.036	0.262	0.926	0.305	0.255	1.188	0.560	0.200	1.075
	Front	0.325	0.304	0.522	0.537	0.245	0.608	0.426	0.250	0.418	0.250	0.244	0.209	0.359	0.165	0.087	0.062	0.080	0.009	0.149	0.089	0.022	0.719
	Back	0.499	0.511	0.723	0.383	0.362	0.460	0.278	0.363	0.365	0.330	0.342	0.348	0.376	0.290	0.182	0.082	0.037	0.025	0.264	0.062	0.030	0.930
Hotspot	Front	0.375	0.222	0.296	0.335	0.364	0.293	0.248	0.364	0.386	0.345	0.334	0.290	0.358	0.221	0.157	0.114	0.087	0.022	0.271	0.109	0.042	0.565
	Back	0.691	0.242	0.310	0.292	0.563	0.307	0.222	0.549	0.490	0.423	0.405	0.493	0.379	0.254	0.271	0.136	0.051	0.044	0.407	0.095	0.048	1.006
	Left	0.114	0.067	0.091	0.073	0.142	0.091	0.050	0.137	0.151	0.401	0.386	0.123	0.153	0.090	/	0.104	/	0.005	0.104	0.005	/	0.505
	Right	0.492	0.021	0.026	0.024	0.451	0.024	0.017	0.397	0.309	0.442	0.450	0.327	0.262	0.114	0.119	/	0.035	/	0.119	0.035	0.016	0.611
	Top	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.760	0.371	0.077	0.014	1.131	0.091	0.096	0.774
	Bottom	0.349	0.667	0.699	0.811	0.327	0.743	0.706	0.276	0.921	0.223	0.223	0.221	0.720	0.581	/	/	/	/	/	/	/	0.921

Test position	Second Antenna SARmax (W/kg)														WiFi Antenna SARmax (W/kg)						Summed 1g SARmax (W/kg)		
	GSM 850	GSM1 900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Ant1	WLAN 2.4G Ant2	WLAN 5G Ant1	WLAN 5G Ant2	WLAN 2.4G MIMO	WLAN 5G MIMO		BT	
Head	Left Touch	0.181	0.334	0.427	0.310	0.211	0.343	0.316	0.202	0.470	0.175	0.136	0.158	0.461	0.232	0.286	0.460	0.613	0.130	0.746	0.743	0.259	1.483
	Left Tilt	0.601	0.438	0.514	0.433	0.612	0.571	0.478	0.542	0.620	0.621	0.499	0.461	0.599	0.257	0.476	0.613	0.331	0.152	1.089	0.483	0.315	1.419
	Right Touch	0.687	0.735	0.667	0.567	0.660	0.437	0.364	0.706	0.562	0.661	0.176	0.668	0.646	0.329	0.242	0.680	0.296	0.353	0.922	0.649	0.167	1.551
Body worn	Right Tilt	0.618	0.529	0.457	0.461	0.577	0.380	0.319	0.601	0.255	0.657	0.637	0.541	0.234	0.463	0.262	0.926	0.305	0.255	1.188	0.560	0.200	1.683
	Front	0.447	0.248	0.223	0.147	0.332	0.203	0.117	0.317	0.118	0.221	0.209	0.250	0.121	0.095	0.087	0.062	0.080	0.009	0.149	0.089	0.022	0.558
	Back	0.420	0.339	0.265	0.190	0.289	0.399	0.180	0.263	0.207	0.184	0.172	0.288	0.161	0.137	0.182	0.082	0.037	0.025	0.264	0.062	0.030	0.627
Hotspot	Front	0.381	0.203	0.143	0.112	0.276	0.163	0.075	0.283	0.102	0.211	0.215	0.269	0.091	0.089	0.157	0.114	0.087	0.022	0.271	0.109	0.042	0.560
	Back	0.425	0.216	0.186	0.142	0.251	0.202	0.110	0.294	0.151	0.209	0.208	0.255	0.124	0.129	0.271	0.136	0.051	0.044	0.407	0.095	0.048	0.740
	Left	0.171	0.230	0.293	0.125	0.116	0.192	0.104	0.114	0.097	0.079	0.080	0.110	0.070	0.070	/	0.104	/	0.005	0.104	0.005	/	0.334
	Right	0.036	0.045	0.038	0.011	0.022	0.033	0.007	0.026	0.015	0.018	0.018	0.029	0.013	0.023	0.119	/	0.035	/	0.119	0.035	0.016	0.164
	Top	0.304	0.336	0.296	0.196	0.193	0.371	0.158	0.194	0.497	0.177	0.179	0.200	0.375	0.319	0.760	0.371	0.077	0.014	1.131	0.091	0.096	1.271
	Bottom	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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9 Equipment list

Test Platform		SPEAG DASY5 Professional				
Description		SAR Test System (Frequency range 300MHz-6GHz)				
Software Reference		DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)				
Hardware Reference						
	Equipment	Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
<input checked="" type="checkbox"/>	Twin Phantom	SPEAG	SAM 1	1283	NCR	NCR
<input checked="" type="checkbox"/>	Twin Phantom	SPEAG	SAM 2	1913	NCR	NCR
<input checked="" type="checkbox"/>	Twin Phantom	SPEAG	SAM 3	1912	NCR	NCR
<input type="checkbox"/>	Twin Phantom	SPEAG	SAM 4	1640	NCR	NCR
<input checked="" type="checkbox"/>	DAE	SPEAG	DAE4	1428	2018-01-17	2019-01-16
<input checked="" type="checkbox"/>	DAE	SPEAG	DAE4	896	2018-11-08	2019-11-07
<input checked="" type="checkbox"/>	E-Field Probe	SPEAG	EX3DV4	3962	2018-01-11	2019-01-10
<input checked="" type="checkbox"/>	E-Field Probe	SPEAG	EX3DV4	3789	2018-02-08	2019-02-07
<input type="checkbox"/>	Validation Kits	SPEAG	D750V3	1160	2016-06-22	2019-06-21
<input type="checkbox"/>	Validation Kits	SPEAG	D835V2	4d105	2016-12-08	2019-12-07
<input type="checkbox"/>	Validation Kits	SPEAG	D1750V2	1149	2016-06-23	2019-06-22
<input checked="" type="checkbox"/>	Validation Kits	SPEAG	D1900V2	5d028	2016-12-07	2019-12-06
<input type="checkbox"/>	Validation Kits	SPEAG	D2300V2	1072	2016-06-21	2019-06-20
<input type="checkbox"/>	Validation Kits	SPEAG	D2450V2	733	2016-12-07	2019-12-06
<input checked="" type="checkbox"/>	Validation Kits	SPEAG	D2600V2	1125	2016-06-22	2019-06-21
<input type="checkbox"/>	Validation Kits	SPEAG	D5GHzV2	1165	2016-12-13	2019-12-12
<input checked="" type="checkbox"/>	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2018-03-13	2019-03-12
<input checked="" type="checkbox"/>	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
<input checked="" type="checkbox"/>	Radio Communication Analyzer	Anritsu Corporation	MT8821C	6201502984	2018-05-02	2019-05-01
<input checked="" type="checkbox"/>	Universal Radio Communication Tester	R&S	CMW500	103990	2018-03-13	2019-03-12
<input checked="" type="checkbox"/>	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
<input checked="" type="checkbox"/>	Signal Generator	Agilent	N5171B	MY53050736	2018-03-13	2019-03-12
<input checked="" type="checkbox"/>	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR
<input checked="" type="checkbox"/>	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	073501433	NCR	NCR
<input checked="" type="checkbox"/>	Power Meter	Agilent	E4416A	GB41292095	2018-03-13	2019-03-12
<input checked="" type="checkbox"/>	Power Sensor	Agilent	8481H	MY41091234	2018-03-13	2019-03-12
<input checked="" type="checkbox"/>	Power Sensor	R&S	NRP-Z92	100025	2018-03-13	2019-03-12
<input checked="" type="checkbox"/>	Attenuator	SHX	TS2-3dB	30704	NCR	NCR
<input checked="" type="checkbox"/>	Coaxial low pass filter	Mini-Circuits	VLF-2500(+)	NA	NCR	NCR

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<input checked="" type="checkbox"/>	Coaxial low pass filter	Microlab Fxr	LA-F13	NA	NCR	NCR
<input checked="" type="checkbox"/>	50 Ω coaxial load	Mini-Circuits	KARN-50+	00850	NCR	NCR
<input checked="" type="checkbox"/>	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
<input checked="" type="checkbox"/>	Speed reading thermometer	MingGao	T809	NA	2018-03-19	2019-03-18
<input checked="" type="checkbox"/>	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2018-03-19	2019-03-18

10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

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Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

Appendix E: Antenna Locations

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