

➤ 5G NR n41_Ant. 4_DSI-0

5G NR n41		RB Size	RB Offset	PC3 10MHz BW SCS = 30kHz			PC3 15MHz BW SCS = 30kHz			PC3 20MHz BW SCS = 30kHz			PC3 30MHz BW SCS = 30kHz		
Channel				500202	518598	537000	500700	518598	536496	501204	518598	535998	502200	518598	534996
Frequency (MHz)				2501.01	2592.99	2685	2503.5	2592.99	2682.48	2506.02	2592.99	2679.99	2511	2592.99	2674.98
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.42	23.57	23.08	23.25	23.58	23.06	23.28	23.52	23.05	23.38	23.53	23.17
	$\pi/2$ BPSK	1	Right	23.25	23.54	23.08	23.21	23.56	23.09	23.20	23.64	23.01	23.32	23.57	23.08
	$\pi/2$ BPSK	Innater_Full	Mid	23.30	23.79	23.17	23.35	23.79	23.16	23.37	23.77	23.22	23.31	23.69	23.17
	QPSK	1	Left	23.44	23.68	23.17	23.35	23.53	23.06	23.33	23.48	23.06	23.39	23.51	23.23
	QPSK	1	Right	23.31	23.64	23.09	23.18	23.66	23.06	23.25	23.54	23.15	23.35	23.72	23.13
	QPSK	Innater_Full	Mid	23.48	24.03	23.28	23.26	23.76	23.04	23.36	23.73	23.22	23.31	23.67	23.24
	16QAM	1	Left	23.52	23.81	23.37	23.64	23.75	23.38	23.56	23.80	23.34	23.55	23.74	23.37
	16QAM	1	Right	23.62	23.88	23.35	23.59	23.88	23.19	23.37	23.84	23.23	23.49	23.77	23.41
	16QAM	Innater_Full	Mid	23.34	23.68	23.17	23.44	23.73	23.16	23.46	23.78	23.24	23.30	23.71	23.33
	64QAM	1	Left	22.93	23.48	23.03	23.57	23.48	23.26	22.92	23.45	23.38	23.54	23.47	23.48
	64QAM	1	Right	23.02	23.51	23.64	23.47	23.86	23.08	22.82	23.59	23.36	23.09	23.70	23.19
	64QAM	Innater_Full	Mid	23.44	23.91	23.23	23.63	23.85	23.26	23.49	23.88	23.28	23.28	23.88	23.17
	256QAM	1	Left	22.02	22.19	21.91	22.02	22.14	21.86	22.02	22.09	21.86	22.02	22.04	21.94
	256QAM	1	Right	22.01	22.18	21.88	21.99	22.04	21.88	22.02	22.17	21.83	22.10	22.23	21.84
	256QAM	Innater_Full	Mid	22.25	22.37	22.12	21.96	22.14	21.79	21.91	22.09	21.77	21.92	22.05	21.77
		RB Size	RB Offset	PC3 40MHz BW SCS = 30kHz			PC3 50MHz BW SCS = 30kHz			PC3 60MHz BW SCS = 30kHz			PC3 70MHz BW SCS = 30kHz		
Channel				503202	518598	534000	504204	518598	532998	505200	518598	531996	506202	518598	531000
Frequency (MHz)				2516.01	2592.99	2670	2521.02	2592.99	2664.9	2526	2592.99	2659.98	2531.01	2592.99	2655
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.30	23.49	23.19	23.25	23.43	23.30	23.20	23.45	23.32	23.47	23.66	23.57
	$\pi/2$ BPSK	1	Right	23.32	23.55	23.12	23.37	23.51	23.14	23.43	23.49	23.02	23.65	23.63	23.11
	$\pi/2$ BPSK	Innater_Full	Mid	23.47	23.77	23.29	23.44	23.78	23.35	23.46	23.67	23.41	23.51	23.72	23.39
	QPSK	1	Left	23.32	23.54	23.26	23.28	23.59	23.35	23.14	23.54	23.31	23.46	23.49	23.58
	QPSK	1	Right	23.32	23.65	23.20	23.43	23.50	23.10	23.50	23.48	23.04	23.72	23.64	23.16
	QPSK	Innater_Full	Mid	23.34	23.76	23.37	23.49	23.79	23.35	23.33	23.74	23.40	23.52	23.82	23.31
	16QAM	1	Left	23.53	23.73	23.40	23.47	23.73	23.70	23.47	23.90	23.49	23.58	23.93	23.93
	16QAM	1	Right	23.61	23.74	23.45	23.77	23.73	23.15	23.65	23.81	23.13	24.01	23.92	23.47
	16QAM	Innater_Full	Mid	23.35	23.73	23.38	23.53	23.78	23.31	23.43	23.73	23.33	23.49	23.80	23.45
	64QAM	1	Left	22.88	23.73	23.47	22.80	23.54	23.69	22.79	23.67	23.69	23.70	24.00	23.68
	64QAM	1	Right	23.59	23.51	23.11	22.99	23.79	23.25	23.13	23.54	23.31	24.02	24.02	23.50
	64QAM	Innater_Full	Mid	23.41	23.82	23.31	23.47	23.90	23.44	23.44	23.78	23.42	23.57	23.88	23.43
	256QAM	1	Left	22.02	22.03	21.91	21.97	22.18	21.91	21.85	21.90	21.87	22.03	22.17	22.10
	256QAM	1	Right	22.09	22.23	21.94	22.07	22.10	21.95	22.10	22.03	21.83	22.18	21.93	21.88
	256QAM	Innater_Full	Mid	21.88	22.03	21.80	21.91	22.11	21.82	21.86	22.07	21.80	21.98	22.10	21.89
		RB Size	RB Offset	PC3 80MHz BW SCS = 30kHz			PC3 90MHz BW SCS = 30kHz			PC3 100MHz BW SCS = 30kHz			PC2 100MHz BW SCS = 30kHz		
Channel				507204	518598	529998	508200	518598	528996	509202	518598	528000	509202	518598	528000
Frequency (MHz)				2536.02	2592.99	2649.99	2541	2592.99	2644.98	2546.01	2592.99	2640	2546.01	2592.99	2640
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.56	23.68	23.68	23.55	23.48	23.79	23.51	23.57	23.65	25.37	25.51	25.60
	$\pi/2$ BPSK	1	Right	23.80	23.66	23.24	23.88	23.59	23.40	23.94	23.54	23.45	25.80	25.46	25.37
	$\pi/2$ BPSK	Innater_Full	Mid	23.54	23.85	23.42	23.51	23.83	23.58	23.68	23.83	23.52	25.57	25.80	25.46
	QPSK	1	Left	23.58	23.64	23.95	23.57	23.47	23.79	23.59	23.55	23.71	25.45	25.41	25.65
	QPSK	1	Right	23.84	23.64	23.33	23.77	23.60	23.31	23.72	23.76	23.87	25.58	25.70	25.81
	QPSK	Innater_Full	Mid	23.51	23.84	23.39	23.61	23.62	23.52	24.03	24.21	23.88	25.97	26.10	25.72
	16QAM	1	Left	23.70	24.19	23.93	23.93	24.12	24.01	23.94	23.99	24.12	25.94	25.91	29.84
	16QAM	1	Right	24.17	23.86	23.32	24.19	24.04	23.30	23.82	23.81	23.35	25.71	25.75	25.29
	16QAM	Innater_Full	Mid	23.51	23.71	23.44	23.58	23.84	23.44	23.70	23.76	23.52	25.59	25.68	25.41
	64QAM	1	Left	23.34	23.70	24.00	23.83	23.71	24.17	23.79	23.98	23.96	25.70	25.84	25.82
	64QAM	1	Right	24.13	23.80	23.73	23.58	23.77	23.20	23.98	23.58	23.68	25.93	25.55	25.59
	64QAM	Innater_Full	Mid	23.61	23.87	23.35	23.51	23.77	23.52	23.59	23.76	23.58	25.43	25.65	25.47
	256QAM	1	Left	22.13	22.20	22.17	22.04	21.96	22.23	21.97	21.93	22.22	23.83	23.87	24.06
	256QAM	1	Right	22.22	21.91	21.94	22.20	21.92	21.81	22.12	22.01	21.77	24.06	23.92	23.72
	256QAM	Innater_Full	Mid	21.99	22.07	21.91	22.02	22.12	21.94	22.08	22.11	21.95	23.97	24.00	23.79

➤ 5G NR n41_Ant. 4_DSI-1/2/3/4

5G NR n41		RB Size	RB Offset	PC3_DSI-1/2 100MHz BW SCS = 30kHz			PC2_DSI-1/2 100MHz BW SCS = 30kHz			PC3_DSI-1/2 100MHz BW SCS = 30kHz			PC2_DSI-1/2 100MHz BW SCS = 30kHz		
Channel				509202	518598	528000	509202	518598	528000	509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640	2546.01	2592.99	2640	2546.01	2592.99	2640	2546.01	2592.99	2640
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	19.03	19.19	19.27	20.95	21.10	21.11	18.10	18.28	18.24	20.07	20.17	20.21
	$\pi/2$ BPSK	1	Right	19.51	19.35	19.27	21.46	21.26	21.17	18.60	18.06	18.19	20.49	19.93	20.16
	$\pi/2$ BPSK	Innter_Full	Mid	19.55	19.70	19.21	21.41	21.67	21.12	18.25	18.59	18.26	20.09	20.50	20.12
	QPSK	1	Left	19.36	19.19	19.30	21.25	21.11	21.19	18.31	18.42	18.42	20.28	20.37	20.36
	QPSK	1	Right	19.53	19.33	19.49	21.47	21.24	21.39	18.41	18.35	18.49	20.35	20.19	20.35
	QPSK	Innter_Full	Mid	19.85	19.97	19.70	21.77	21.88	21.62	18.80	18.95	18.89	20.71	20.92	20.73
	16QAM	1	Left	19.63	19.63	19.74	21.55	21.58	21.71	18.53	18.73	18.71	20.47	20.67	20.60
	16QAM	1	Right	19.48	19.55	19.06	21.40	21.47	20.95	18.54	18.52	17.87	20.48	20.46	19.76
	16QAM	Innter_Full	Mid	19.51	19.53	19.09	21.42	21.47	21.06	18.34	18.63	18.23	20.23	20.58	20.09
	64QAM	1	Left	19.46	19.75	19.53	21.30	21.64	21.42	18.46	18.79	18.53	20.35	20.75	20.40
	64QAM	1	Right	19.60	19.25	19.37	21.49	21.11	21.32	18.72	18.30	18.20	20.58	20.21	20.17
	64QAM	Innter_Full	Mid	19.26	19.50	19.22	21.23	21.47	21.13	18.25	18.33	18.10	20.21	20.27	20.05
	256QAM	1	Left	17.71	17.62	17.98	19.65	19.51	19.92	16.64	16.64	17.09	18.59	18.53	19.04
	256QAM	1	Right	17.69	17.72	17.58	19.63	19.64	19.41	16.88	16.58	16.34	18.82	18.47	18.24
	256QAM	Innter_Full	Mid	17.89	17.87	17.82	19.75	19.86	19.79	16.60	16.85	16.61	18.47	18.74	18.50

➤ 5G NR n66_Ant. 1_DSI-1/2

5G NR n66		RB Size	RB Offset	5MHz BW SCS = 15kHz			10MHz BW SCS = 15kHz			15MHz BW SCS = 15kHz			20MHz BW SCS = 15kHz		
Channel				342500	349000	355500	343000	349000	355000	343500	349000	354500	344000	349000	354000
Frequency (MHz)				1712.5	1745	1777.5	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	24.33	24.20	24.05	24.35	24.18	23.98	24.32	24.17	24.02	24.42	24.21	24.11
	$\pi/2$ BPSK	1	Right	24.32	24.14	24.03	24.26	24.17	23.95	24.23	24.13	23.93	24.24	24.19	24.01
	$\pi/2$ BPSK	Innter_Full	Mid	24.39	24.30	24.08	24.38	24.26	24.09	24.42	24.29	24.12	24.45	24.35	24.16
	QPSK	1	Left	24.33	24.21	23.97	24.36	24.21	23.99	24.39	24.15	24.00	24.36	24.20	24.09
	QPSK	1	Right	24.29	24.25	23.95	24.36	24.19	24.03	24.31	24.12	24.01	24.34	24.18	24.07
	QPSK	Innter_Full	Mid	24.40	24.27	24.07	24.38	24.22	24.04	24.38	24.27	24.10	24.43	24.34	24.17
	16QAM	1	Left	23.58	23.53	23.03	23.70	23.39	23.39	23.70	23.55	23.41	23.69	23.63	23.45
	16QAM	1	Right	23.56	23.51	23.03	23.59	23.21	23.31	23.57	23.40	23.29	23.64	23.40	23.31
	16QAM	Innter_Full	Mid	23.32	23.21	22.99	23.38	23.51	23.12	23.46	23.31	23.14	23.50	23.37	23.21
	64QAM	1	Left	22.16	21.66	21.48	22.21	22.07	21.92	21.80	21.79	21.90	22.31	22.17	21.62
	64QAM	1	Right	21.78	21.98	21.84	21.81	21.91	21.52	21.85	21.53	21.83	22.24	22.07	21.88
	64QAM	Innter_Full	Mid	22.05	21.88	21.71	21.94	21.78	21.58	22.00	21.83	21.67	22.02	21.84	21.73
	256QAM	1	Left	20.22	20.33	20.24	20.16	20.13	19.85	20.14	20.09	19.82	20.22	20.03	19.84
	256QAM	1	Right	20.18	20.16	20.11	20.16	20.03	19.81	20.07	20.01	19.75	20.21	20.02	19.87
	256QAM	Innter_Full	Mid	20.13	20.14	20.18	20.07	19.91	19.73	20.08	19.93	19.76	20.08	19.93	19.77
		RB Size	RB Offset	25MHz BW SCS = 15kHz			30MHz BW SCS = 15kHz			40MHz BW SCS = 15kHz			N/A		
Channel				344500	349000	353500	345000	349000	353000	346000	349000	352000			
Frequency (MHz)				1722.5	1745	1767.5	1725	1745	1765	1730	1745	1760			
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	24.47	24.29	24.17	24.44	24.27	24.24	24.40	24.27	24.23			
	$\pi/2$ BPSK	1	Right	24.31	24.21	24.08	24.27	24.16	24.03	24.28	24.11	24.07			
	$\pi/2$ BPSK	Innter_Full	Mid	24.54	24.39	24.28	24.54	24.40	24.29	24.50	24.47	24.35			
	QPSK	1	Left	24.54	24.27	24.15	24.50	24.25	24.25	24.45	24.37	24.30			
	QPSK	1	Right	24.28	24.19	24.11	24.33	24.13	24.04	24.25	24.12	24.04			
	QPSK	Innter_Full	Mid	24.49	24.39	24.25	24.54	24.42	24.31	24.50	24.52	24.32			
	16QAM	1	Left	23.85	23.60	23.45	23.67	23.68	23.60	23.79	23.62	23.58			
	16QAM	1	Right	23.69	23.46	23.36	23.68	23.44	23.40	23.61	23.48	23.46			
	16QAM	Innter_Full	Mid	23.55	23.39	23.24	23.54	23.42	23.33	23.48	23.44	23.38			
	64QAM	1	Left	21.93	22.27	21.75	22.21	22.23	21.70	22.30	21.91	21.84			
	64QAM	1	Right	22.26	22.06	21.94	22.22	22.02	21.93	22.03	21.70	21.97			
	64QAM	Innter_Full	Mid	22.05	21.99	21.81	22.08	22.01	21.86	22.08	21.97	21.89			
	256QAM	1	Left	20.13	20.19	19.98	20.08	20.20	20.01	20.18	20.09	20.09			
	256QAM	1	Right	20.22	20.00	19.79	20.09	19.91	19.79	19.96	19.84	19.81			
	256QAM	Innter_Full	Mid	20.13	20.04	19.78	20.05	20.04	19.84	20.09	20.06	19.94			

➤ **5G NR n66_Ant. 1_DSI-3/4**

5G NR n66		RB Size	RB Offset	40MHz BW SCS = 15kHz		
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	19.73	19.84	19.80
	$\pi/2$ BPSK	1	Right	19.71	19.69	19.72
	$\pi/2$ BPSK	Innter_Full	Mid	20.19	20.10	19.77
	QPSK	1	Left	20.12	19.79	19.80
	QPSK	1	Right	19.68	19.67	19.89
	QPSK	Innter_Full	Mid	20.21	20.25	19.89
	16QAM	1	Left	19.34	19.24	18.88
	16QAM	1	Right	19.01	19.03	19.43
	16QAM	Innter_Full	Mid	19.31	18.82	18.85
	64QAM	1	Left	17.78	17.83	17.17
	64QAM	1	Right	17.33	17.35	17.44
	64QAM	Innter_Full	Mid	17.51	17.57	17.11
	256QAM	1	Left	15.76	15.64	15.31
	256QAM	1	Right	15.54	15.52	15.39
	256QAM	Innter_Full	Mid	15.61	15.54	15.51

➤ **5G NR n66_Ant. 4_DSI-1/2/3/4**

5G NR n66		RB Size	RB Offset	5MHz BW SCS = 15kHz			10MHz BW SCS = 15kHz			15MHz BW SCS = 15kHz			20MHz BW SCS = 15kHz		
Channel				342500	349000	355500	343000	349000	355000	343500	349000	354500	344000	349000	354000
Frequency (MHz)				1712.5	1745	1777.5	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	22.98	22.78	22.71	23.10	22.85	22.83	22.81	22.88	22.79	22.93	22.87	22.79
	$\pi/2$ BPSK	1	Right	23.04	22.72	22.63	22.74	22.74	22.55	22.94	22.59	22.53	22.83	22.66	22.63
	$\pi/2$ BPSK	Innter_Full	Mid	23.01	23.13	22.95	23.21	23.05	22.88	23.13	22.88	22.98	22.91	23.08	22.98
	QPSK	1	Left	22.96	22.83	22.91	22.98	22.88	22.88	23.05	22.98	23.06	22.93	22.78	22.88
	QPSK	1	Right	22.95	22.82	22.80	22.95	22.63	22.65	22.95	22.88	22.60	22.95	22.82	22.50
	QPSK	Innter_Full	Mid	22.96	23.22	22.92	23.26	23.07	22.93	23.20	23.07	23.03	23.13	23.03	22.92
	16QAM	1	Left	22.27	22.10	22.13	22.45	22.13	22.14	22.49	22.28	22.09	22.20	22.38	22.09
	16QAM	1	Right	22.07	22.19	22.01	22.27	21.96	22.02	22.37	22.18	22.12	22.22	22.06	22.11
	16QAM	Innter_Full	Mid	21.89	21.90	21.99	22.06	21.99	21.86	22.11	22.04	21.99	21.96	22.02	21.86
	64QAM	1	Left	20.86	20.62	20.47	20.85	20.32	20.49	20.93	20.49	20.45	20.90	20.52	20.40
	64QAM	1	Right	20.63	20.28	20.57	20.79	20.18	20.58	20.56	20.30	20.63	20.61	20.28	20.50
	64QAM	Innter_Full	Mid	20.56	20.48	20.44	20.66	20.62	20.50	20.49	20.68	20.55	20.59	20.55	20.40
	256QAM	1	Left	18.66	18.65	18.70	18.88	18.67	18.62	18.89	18.72	18.60	18.66	18.55	18.64
	256QAM	1	Right	18.57	18.54	18.29	18.61	18.60	18.22	18.59	18.30	18.46	18.47	18.55	18.57
	256QAM	Innter_Full	Mid	18.69	18.52	18.70	18.64	18.69	18.70	18.74	18.57	18.54	18.69	18.59	18.60
		RB Size	RB Offset	25MHz BW SCS = 15kHz			30MHz BW SCS = 15kHz			40MHz BW SCS = 15kHz			N/A		
Channel				344500	349000	353500	345000	349000	353000	346000	349000	352000			
Frequency (MHz)				1722.5	1745	1767.5	1725	1745	1765	1730	1745	1760			
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	22.86	22.83	22.99	23.01	22.80	22.83	23.20	23.00	23.04			
	$\pi/2$ BPSK	1	Right	22.84	22.67	22.58	22.81	22.72	22.65	22.84	22.62	22.93			
	$\pi/2$ BPSK	Innter_Full	Mid	22.98	23.03	22.96	23.03	22.95	23.01	23.13	23.17	22.98			
	QPSK	1	Left	22.93	22.78	22.88	23.16	23.08	22.91	23.06	23.18	23.01			
	QPSK	1	Right	22.78	22.73	22.70	22.76	22.65	22.75	22.76	22.70	22.84			
	QPSK	Innter_Full	Mid	23.16	23.17	22.83	23.06	23.03	23.08	23.13	23.34	23.12			
	16QAM	1	Left	22.20	22.28	22.24	22.20	22.17	22.21	22.59	22.48	22.39			
	16QAM	1	Right	22.31	21.99	22.01	22.32	21.96	22.22	22.31	22.13	22.22			
	16QAM	Innter_Full	Mid	22.01	22.00	21.79	22.04	22.20	22.09	22.19	22.30	21.99			
	64QAM	1	Left	20.93	20.54	20.44	20.93	20.46	20.45	20.91	20.56	20.52			
	64QAM	1	Right	20.61	20.16	20.67	20.58	20.25	20.38	20.79	20.31	20.77			
	64QAM	Innter_Full	Mid	20.68	20.48	20.55	20.61	20.50	20.42	20.83	20.72	20.69			
	256QAM	1	Left	18.78	18.65	18.67	18.83	18.64	18.72	18.83	18.67	18.72			
	256QAM	1	Right	18.56	18.39	18.47	18.47	18.30	18.39	18.76	18.47	18.44			
	256QAM	Innter_Full	Mid	18.79	18.59	18.42	18.72	18.77	18.55	18.74	18.92	18.67			

➤ 5G NR n71_Ant.0_DSI-0/1/2/3/4

5G NR n71		RB Size	RB Offset	5MHz BW SCS = 15kHz			10MHz BW SCS = 15kHz			15MHz BW SCS = 15kHz			20MHz BW SCS = 15kHz		
Channel				133100	136100	139100	133600	136100	138600	134100	136100	138100	134600	136100	137600
Frequency (MHz)				665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5	673	680.5	688
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	24.03	24.20	24.14	23.98	24.15	24.14	23.95	24.10	24.10	24.00	24.10	24.15
	$\pi/2$ BPSK	1	Right	24.19	24.21	24.18	24.16	24.13	24.19	24.11	24.08	24.15	24.11	24.12	24.20
	$\pi/2$ BPSK	Innter_Full	Mid	24.23	24.29	24.29	24.24	24.24	24.23	24.20	24.31	24.20	24.22	24.23	24.22
	QPSK	1	Left	24.08	24.25	24.21	24.06	24.17	24.16	23.97	24.15	24.15	24.11	24.22	24.19
	QPSK	1	Right	24.24	24.24	24.28	24.20	24.17	24.22	24.08	24.11	24.21	24.25	24.13	24.22
	QPSK	Innter_Full	Mid	24.27	24.35	24.31	24.22	24.29	24.22	24.25	24.25	24.25	24.20	24.38	24.22
	16QAM	1	Left	23.10	23.23	23.46	23.35	23.18	23.47	23.06	23.11	23.22	23.15	23.27	23.28
	16QAM	1	Right	23.17	23.21	23.51	23.47	23.19	23.55	23.11	23.14	23.25	23.26	23.27	23.28
	16QAM	Innter_Full	Mid	23.15	23.32	23.16	23.21	23.29	23.23	23.21	23.24	23.25	23.24	23.27	23.26
	64QAM	1	Left	21.85	22.00	21.58	21.58	21.94	21.62	21.55	21.89	21.68	21.61	21.67	21.68
	64QAM	1	Right	21.92	21.98	21.62	21.91	21.60	21.64	21.91	21.54	21.69	21.70	21.76	21.79
	64QAM	Innter_Full	Mid	21.86	21.87	21.78	21.79	21.85	21.78	21.81	21.82	21.76	21.71	21.79	21.77
	256QAM	1	Left	19.59	19.69	19.81	19.73	19.63	19.71	19.67	19.63	19.89	20.01	20.07	20.15
	256QAM	1	Right	19.68	19.86	19.92	19.81	19.79	19.88	19.59	19.65	19.96	19.97	19.90	19.99
	256QAM	Innter_Full	Mid	19.75	19.85	19.83	19.72	19.75	19.72	19.77	19.80	19.76	19.77	19.78	19.76

➤ 5G NR n77_Block A_Ant.3_DSI-0

5G NR n77		RB Size	RB Offset	PC3 10MHz BW SCS = 30kHz			PC3 15MHz BW SCS = 30kHz			PC3 20MHz BW SCS = 30kHz			PC3 40MHz BW SCS = 30kHz		
Channel				630334	633334	636332	630500	633334	636116	630666	633334	636000	631334	633334	635334
Frequency (MHz)				3455.01	3500.01	3544.98	3457.5	3500.01	3541.74	3459.99	3500.01	3540	3470.01	3500.01	3530.01
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.45	23.02	22.84	23.40	23.00	22.74	23.42	23.09	22.73	23.45	23.20	22.78
	$\pi/2$ BPSK	1	Right	23.48	22.94	22.95	23.29	22.91	22.84	23.27	22.81	22.84	23.18	22.83	22.91
	$\pi/2$ BPSK	Innter_Full	Mid	23.34	22.85	22.83	23.45	23.00	22.85	23.54	23.05	23.03	23.41	23.15	22.75
	QPSK	1	Left	23.48	23.00	22.90	23.45	23.06	22.64	23.53	23.08	22.76	23.50	23.35	22.83
	QPSK	1	Right	23.46	23.03	22.75	23.40	22.89	22.71	23.27	22.79	22.73	23.27	22.91	22.98
	QPSK	Innter_Full	Mid	23.42	22.96	22.87	23.53	22.96	22.96	23.50	23.04	23.04	23.40	22.94	22.83
	16QAM	1	Left	23.85	23.18	22.91	23.66	23.13	22.88	23.49	23.10	23.16	23.79	23.26	23.16
	16QAM	1	Right	23.56	23.28	23.35	23.42	23.18	23.30	23.38	22.92	23.32	23.27	22.83	23.29
	16QAM	Innter_Full	Mid	23.29	22.94	22.75	23.45	22.95	22.86	23.50	22.93	23.00	23.34	22.97	22.79
	64QAM	1	Left	23.37	23.38	22.58	23.41	23.34	22.53	23.53	23.33	22.48	23.83	23.41	23.19
	64QAM	1	Right	23.68	23.27	22.57	23.58	23.21	22.55	23.52	22.79	23.28	23.53	23.16	23.33
	64QAM	Innter_Full	Mid	23.44	23.04	22.82	23.35	23.10	23.04	23.51	22.93	22.83	23.38	23.02	22.77
	256QAM	1	Left	21.94	21.63	21.49	22.04	21.66	21.42	22.04	21.61	21.39	22.01	21.68	21.39
	256QAM	1	Right	22.04	21.45	21.57	21.95	21.47	21.61	21.91	21.41	21.60	21.60	21.32	21.52
	256QAM	Innter_Full	Mid	22.10	21.64	21.62	21.91	21.45	21.43	21.85	21.49	21.35	21.71	21.43	21.20
5G NR n77		RB Size	RB Offset	PC3 50MHz BW SCS = 30kHz			PC3 60MHz BW SCS = 30kHz			PC3 70MHz BW SCS = 30kHz			PC3 80MHz BW SCS = 30kHz		
Channel				631666	633334	635000	632000	633334	634666	632334	633334	634334	632666	633334	634000
Frequency (MHz)				3474.99	3500.01	3525	3480	3500.01	3519.99	3485.01	3500.01	3515.01	3489.99	3500.01	3510
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.56	23.28	23.00	23.39	23.22	23.01	23.33	23.23	23.02	23.30	23.34	23.32
	$\pi/2$ BPSK	1	Right	23.08	22.85	22.96	22.81	22.75	22.84	22.73	22.74	22.77	22.69	22.80	22.91
	$\pi/2$ BPSK	Innter_Full	Mid	23.34	23.11	22.77	23.32	23.02	22.90	23.20	22.96	22.76	23.19	22.98	22.89
	QPSK	1	Left	23.76	23.24	23.07	23.51	23.32	23.01	23.38	23.22	23.10	23.36	23.31	23.23
	QPSK	1	Right	23.11	23.02	23.15	22.93	22.80	22.93	22.74	22.80	22.89	22.73	22.84	22.87
	QPSK	Innter_Full	Mid	23.42	23.11	22.85	23.23	22.99	22.81	23.16	23.02	22.85	23.23	23.09	22.92
	16QAM	1	Left	23.52	23.59	23.07	23.48	23.27	23.33	23.63	23.51	23.35	23.45	23.41	23.39
	16QAM	1	Right	23.22	22.90	23.26	22.91	22.85	23.19	23.00	22.74	22.91	22.82	22.90	23.22
	16QAM	Innter_Full	Mid	23.31	23.10	22.73	23.26	22.93	22.85	23.26	23.00	22.83	23.19	22.95	23.00
	64QAM	1	Left	23.74	23.51	23.31	23.71	23.27	23.42	23.59	23.21	23.13	23.37	23.39	23.35
	64QAM	1	Right	23.46	23.20	23.28	23.26	23.09	23.13	23.02	22.93	22.87	22.91	23.13	23.04
	64QAM	Innter_Full	Mid	23.33	23.01	22.86	23.17	22.91	22.85	23.20	23.02	22.82	23.10	23.05	22.91
	256QAM	1	Left	22.03	21.69	21.48	21.86	21.83	21.64	22.03	21.78	21.73	21.99	21.95	21.82
	256QAM	1	Right	21.57	21.39	21.50	21.35	21.27	21.37	21.26	21.28	21.38	21.29	21.51	21.57
	256QAM	Innter_Full	Mid	21.78	21.50	21.34	21.68	21.40	21.22	21.61	21.49	21.35	21.58	21.50	21.38
5G NR n77		RB Size	RB Offset	PC3 90MHz BW SCS = 30kHz			PC3 100MHz BW SCS = 30kHz			PC2 100MHz BW SCS = 30kHz					
Channel				633000	633334	633666		633334			633334				
Frequency (MHz)				3495	3500.01	3504.99		3500.01			3500.01				
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.40	23.41	23.36		23.43			25.34				
	$\pi/2$ BPSK	1	Right	22.78	22.80	22.91		22.96			24.95				
	$\pi/2$ BPSK	Innter_Full	Mid	23.05	23.03	22.98		22.96			24.96				
	QPSK	1	Left	23.65	23.45	23.38		23.67			25.64				
	QPSK	1	Right	22.86	22.98	23.06		23.77			25.71				
	QPSK	Innter_Full	Mid	23.08	23.10	22.95		23.88			25.90				

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

	16QAM	1	Left	23.47	23.42	23.45		22.48			24.50			
	16QAM	1	Right	23.22	22.91	23.20		22.88			24.84			
	16QAM	Innter_Full	Mid	23.08	22.95	22.88		23.01			24.95			
	64QAM	1	Left	23.56	23.64	23.56		22.73			24.62			
	64QAM	1	Right	23.14	23.07	23.27		23.31			25.28			
	64QAM	Innter_Full	Mid	23.08	23.01	22.98		22.97			24.96			
	256QAM	1	Left	22.05	22.08	21.97		22.06			24.06			
	256QAM	1	Right	21.46	21.39	21.55		21.53			23.49			
	256QAM	Innter_Full	Mid	21.53	21.50	21.44		21.51			23.56			

➤ 5G NR n77_Block A_Ant.3_DSI-1/2/3/4

5G NR n77		RB Size	RB Offset	PC3 10MHz BW SCS = 30kHz			PC3 15MHz BW SCS = 30kHz			PC3 20MHz BW SCS = 30kHz			PC3 40MHz BW SCS = 30kHz		
Channel				630334	633334	636332	630500	633334	636116	630666	633334	636000	631334	633334	635334
Frequency (MHz)				3455.01	3500.01	3544.98	3457.5	3500.01	3541.74	3459.99	3500.01	3540	3470.01	3500.01	3530.01
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	17.27	17.06	16.96	17.38	17.19	17.06	17.27	17.04	16.93	17.20	17.21	17.01
	$\pi/2$ BPSK	1	Right	16.53	16.45	16.61	16.36	16.45	16.86	16.45	16.63	16.76	16.38	16.45	16.81
	$\pi/2$ BPSK	Innter_Full	Mid	16.68	16.73	16.68	16.62	16.53	16.70	16.97	16.63	16.50	16.92	16.70	16.61
	QPSK	1	Left	17.40	17.27	16.91	17.39	17.15	16.95	17.33	17.30	16.86	17.41	17.25	16.85
	QPSK	1	Right	16.51	16.63	16.58	16.69	16.68	16.58	16.59	16.66	16.64	16.73	16.65	16.76
	QPSK	Innter_Full	Mid	16.63	16.63	16.67	16.73	16.65	16.78	16.88	16.78	16.63	16.73	16.78	16.62
	16QAM	1	Left	17.07	17.12	17.30	17.22	17.15	17.23	17.17	17.10	17.22	17.02	17.27	17.10
	16QAM	1	Right	16.99	16.51	17.10	16.80	16.51	17.05	16.95	16.33	17.03	16.82	16.58	17.13
	16QAM	Innter_Full	Mid	16.73	16.72	16.40	16.78	16.77	16.35	16.83	16.68	16.41	16.76	16.73	16.65
	64QAM	1	Left	16.91	17.17	17.33	17.03	17.26	17.34	17.21	17.16	17.33	17.14	17.31	17.39
	64QAM	1	Right	16.89	16.85	17.09	16.87	16.79	17.07	16.84	16.82	17.20	16.69	16.67	17.09
	64QAM	Innter_Full	Mid	16.75	16.78	16.73	16.75	16.76	16.63	16.80	16.59	16.56	16.81	16.68	16.70
	256QAM	1	Left	16.03	15.73	15.85	15.90	15.73	15.72	15.82	15.85	15.79	15.93	15.76	15.85
	256QAM	1	Right	15.18	15.02	15.35	15.21	15.16	15.20	15.33	15.21	15.35	15.09	14.92	15.20
	256QAM	Innter_Full	Mid	15.06	15.12	15.24	15.10	15.25	15.14	14.95	14.95	15.09	15.13	15.03	15.16
5G NR n77		RB Size	RB Offset	PC3 50MHz BW SCS = 30kHz			PC3 60MHz BW SCS = 30kHz			PC3 70MHz BW SCS = 30kHz			PC3 80MHz BW SCS = 30kHz		
Channel				631666	633334	635000	632000	633334	634666	632334	633334	634334	632666	633334	634000
Frequency (MHz)				3474.99	3500.01	3525	3480	3500.01	3519.99	3485.01	3500.01	3515.01	3489.99	3500.01	3510
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	17.33	16.96	16.83	17.38	17.01	16.96	17.38	17.13	16.96	17.33	16.96	17.01
	$\pi/2$ BPSK	1	Right	16.53	16.58	16.66	16.50	16.38	16.74	16.43	16.57	16.63	16.46	16.63	16.78
	$\pi/2$ BPSK	Innter_Full	Mid	16.97	16.66	16.55	16.75	16.48	16.58	16.82	16.78	16.73	16.77	16.58	16.73
	QPSK	1	Left	17.37	17.18	17.05	17.48	17.22	17.00	17.39	17.13	16.90	17.38	17.15	16.86
	QPSK	1	Right	16.54	16.68	16.76	16.61	16.58	16.69	16.69	16.73	16.76	16.61	16.60	16.66
	QPSK	Innter_Full	Mid	16.65	16.73	16.80	16.71	16.50	16.78	16.65	16.63	16.55	16.86	16.55	16.70
	16QAM	1	Left	17.07	17.10	17.18	17.17	17.14	17.33	17.00	17.15	17.27	17.17	17.15	17.28
	16QAM	1	Right	17.04	16.68	16.97	16.85	16.51	17.07	16.75	16.46	17.15	17.00	16.48	17.02
	16QAM	Innter_Full	Mid	16.91	16.70	16.63	16.83	16.78	16.65	16.70	16.78	16.55	16.76	16.83	16.40
	64QAM	1	Left	17.19	17.16	17.26	17.03	17.17	17.31	17.13	17.34	17.31	17.13	17.21	17.16
	64QAM	1	Right	16.82	16.90	17.10	16.69	16.95	17.15	16.86	16.92	17.22	17.04	16.79	17.27
	64QAM	Innter_Full	Mid	16.80	16.83	16.73	16.81	16.78	16.80	16.80	16.54	16.76	16.58	16.84	16.65
	256QAM	1	Left	15.92	15.68	15.77	16.10	15.73	15.75	16.05	15.80	15.79	15.85	15.56	15.90
	256QAM	1	Right	15.09	15.02	15.45	15.28	15.04	15.27	15.19	14.97	15.15	15.21	15.01	15.27
	256QAM	Innter_Full	Mid	15.10	14.95	15.34	14.95	14.90	15.17	15.00	15.10	15.27	15.20	14.90	15.04
5G NR n77		RB Size	RB Offset	PC3 90MHz BW SCS = 30kHz			PC3 100MHz BW SCS = 30kHz			PC2 100MHz BW SCS = 30kHz					
Channel				633000	633334	633666		633334			633334				
Frequency (MHz)				3495	3500.01	3504.99		3500.01			3500.01				
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	17.32	17.21	17.13		17.22			19.15				
	$\pi/2$ BPSK	1	Right	16.48	16.50	16.71		16.45			18.31				
	$\pi/2$ BPSK	Innter_Full	Mid	16.72	16.63	16.75		16.60			18.55				
	QPSK	1	Left	17.43	17.15	16.93		17.49			19.47				
	QPSK	1	Right	16.69	16.78	16.63		17.56			19.56				
	QPSK	Innter_Full	Mid	16.73	16.68	16.78		17.59			19.71				
	16QAM	1	Left	17.12	16.99	17.35		15.95			18.03				
	16QAM	1	Right	16.99	16.38	17.10		16.37			18.35				
	16QAM	Innter_Full	Mid	16.98	16.75	16.70		16.36			18.26				
	64QAM	1	Left	17.11	17.21	17.09		16.28			18.25				
	64QAM	1	Right	16.84	16.84	17.22		16.98			19.10				
	64QAM	Innter_Full	Mid	16.63	16.78	16.73		16.44			18.47				
	256QAM	1	Left	15.93	15.91	15.65		15.61			17.58				
	256QAM	1	Right	15.26	14.97	15.30		15.23			17.10				
	256QAM	Innter_Full	Mid	15.30	15.00	15.04		15.33			17.35				

➤ 5G NR n77_Block A_Ant.1/2/6_DSI-0

5G NR n77		RB Size	RB Offset	Ant 1_PC3 100MHz BW SCS = 30kHz		Ant 2_PC3 100MHz BW SCS = 30kHz		Ant 6_PC3 100MHz BW SCS = 30kHz	
Channel				633334		633334		633334	
Frequency (MHz)				3500.01		3500.01		3500.01	
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	19.75		19.14		20.10	
	$\pi/2$ BPSK	1	Right	19.93		18.80		19.49	
	$\pi/2$ BPSK	Innter_Full	Mid	19.83		18.49		19.95	
	QPSK	1	Left	20.07		19.04		20.10	
	QPSK	1	Right	20.01		18.71		19.54	
	QPSK	Innter_Full	Mid	20.10		19.60		20.25	
	16QAM	1	Left	19.80		19.48		19.75	
	16QAM	1	Right	18.55		18.92		19.57	
	16QAM	Innter_Full	Mid	19.70		18.91		20.11	
	64QAM	1	Left	18.50		19.00		20.06	
	64QAM	1	Right	19.95		17.40		19.80	
	64QAM	Innter_Full	Mid	18.49		18.77		20.01	
	256QAM	1	Left	19.97		17.76		18.77	
	256QAM	1	Right	20.02		18.75		18.27	
	256QAM	Innter_Full	Mid	19.93		17.09		18.55	
CP-OFDM	QPSK	1	Left	19.14		19.19		19.58	
	QPSK	1	Right	19.32		18.77		19.67	
	QPSK	Innter_Full	Mid	19.53		18.55		19.92	
	16QAM	1	Left	19.55		19.44		19.74	
	16QAM	1	Right	19.59		18.19		19.72	
	16QAM	Innter_Full	Mid	19.48		18.76		19.97	
	64QAM	1	Left	18.68		18.63		20.00	
	64QAM	1	Right	18.87		19.23		18.94	
	64QAM	Innter_Full	Mid	18.99		18.06		19.46	
	256QAM	1	Left	19.03		19.53		18.33	
	256QAM	1	Right	19.80		19.32		18.44	
	256QAM	Innter_Full	Mid	19.45		18.92		19.82	

➤ 5G NR n77_Block C_Ant.3_DSI-0

5G NR n77		RB Size	RB Offset	PC3 10MHz BW SCS = 30kHz			PC3 15MHz BW SCS = 30kHz			PC3 20MHz BW SCS = 30kHz			PC3 40MHz BW SCS = 30kHz		
Channel				647000	656000	665000	647168	656000	664832	647334	656000	664666	648000	656000	664000
Frequency (MHz)				3705	3840	3975	3707.52	3840	3972.48	3710.01	3840	3969.99	3720	3840	3960
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.28	23.12	23.25	23.21	23.05	23.22	23.16	23.03	23.08	23.12	22.92	22.98
	$\pi/2$ BPSK	1	Right	23.23	23.17	23.26	23.25	23.12	23.22	23.35	23.16	23.06	23.22	23.21	23.10
	$\pi/2$ BPSK	Innter_Full	Mid	23.39	23.06	23.32	23.31	23.22	23.42	23.41	23.00	23.19	23.41	23.19	23.24
	QPSK	1	Left	23.31	23.23	23.26	23.26	23.01	23.19	23.22	22.98	22.98	23.18	22.92	22.95
	QPSK	1	Right	23.30	23.15	23.33	23.30	23.14	23.30	23.29	23.17	23.19	23.30	23.28	23.10
	QPSK	Innter_Full	Mid	23.60	23.49	23.33	23.51	23.12	23.32	23.32	23.18	23.31	23.58	23.25	23.24
	16QAM	1	Left	23.54	23.53	23.45	23.45	23.28	23.33	23.51	23.18	23.14	23.36	23.14	23.31
	16QAM	1	Right	23.42	23.38	23.31	23.46	23.33	23.38	23.47	23.31	23.43	23.34	23.45	23.40
	16QAM	Innter_Full	Mid	23.16	23.16	23.34	23.23	23.17	23.41	23.37	23.32	23.20	23.38	23.10	23.23
	64QAM	1	Left	23.58	22.99	23.58	23.48	23.34	23.45	23.21	22.99	23.08	23.40	22.76	22.86
	64QAM	1	Right	23.09	23.21	23.53	23.46	23.17	23.20	23.48	23.42	23.13	23.52	23.16	23.19
	64QAM	Innter_Full	Mid	23.30	23.20	23.29	23.30	23.15	23.28	23.33	23.16	23.21	23.37	23.17	23.16
	256QAM	1	Left	21.88	21.58	21.87	21.86	21.70	21.77	21.89	21.74	21.68	21.75	21.68	21.67
	256QAM	1	Right	21.91	21.76	21.89	21.95	21.85	21.78	21.96	21.91	21.74	21.82	21.85	21.83
	256QAM	Innter_Full	Mid	22.01	21.73	21.95	21.87	21.72	21.83	21.91	21.70	21.76	21.88	21.77	21.69
5G NR n77		RB Size	RB Offset	PC3 50MHz BW SCS = 30kHz			PC3 60MHz BW SCS = 30kHz			PC3 70MHz BW SCS = 30kHz			PC3 80MHz BW SCS = 30kHz		
Channel				648334	656000	663666	648668	656000	663334	649000	656000	663000	649334	656000	662666
Frequency (MHz)				3725.01	3840	3954.99	3730.02	3840	3950.01	3735	3840	3945	3740.01	3840	3939.99
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.18	22.96	22.95	23.10	22.85	22.91	23.14	22.84	22.95	23.21	22.91	23.01
	$\pi/2$ BPSK	1	Right	23.19	23.22	23.14	23.09	23.19	23.12	22.95	23.19	23.09	22.95	23.32	23.15
	$\pi/2$ BPSK	Innter_Full	Mid	23.40	23.18	23.18	23.35	23.18	23.12	23.23	23.03	23.12	23.31	23.07	23.13
	QPSK	1	Left	23.25	22.99	22.95	23.20	22.95	22.91	23.19	22.84	22.87	23.24	22.93	22.95
	QPSK	1	Right	23.30	23.25	23.22	23.09	23.30	23.10	22.97	23.17	23.08	22.96	23.37	23.15
	QPSK	Innter_Full	Mid	23.59	23.26	23.18	23.47	23.23	23.25	23.48	23.23	23.25	23.57	23.24	23.21
	16QAM	1	Left	23.52	23.25	23.33	23.43	23.19	23.17	23.40	23.18	23.21	23.40	23.25	23.29
	16QAM	1	Right	23.49	23.42	23.47	23.39	23.38	23.41	23.24	23.44	23.32	23.17	23.43	23.50
	16QAM	Innter_Full	Mid	23.37	23.16	23.10	23.37	23.16	23.11	23.37	23.11	23.05	23.30	23.13	23.07
	64QAM	1	Left	23.43	23.18	23.17	23.39	23.14	23.12	23.37	22.67	23.15	23.21	23.25	23.24
	64QAM	1	Right	23.44	23.23	23.47	23.34	23.16	23.36	22.79	23.13	22.91	23.27	23.24	22.99
	64QAM	Innter_Full	Mid	23.34	23.28	23.12	23.39	23.21	23.11	23.29	23.14	23.13	23.34	23.16	23.06
	256QAM	1	Left	21.76	21.58	21.61	21.72	21.53	21.58	21.81	21.50	21.60	21.80	21.58	21.52
	256QAM	1	Right	21.81	21.87	21.81	21.80	21.91	21.65	21.74	21.92	21.60	21.73	22.01	21.85
	256QAM	Innter_Full	Mid	21.86	21.79	21.68	21.82	21.69	21.63	21.82	21.70	21.59	21.86	21.66	21.66
5G NR n77		RB Size	RB Offset	PC3 90MHz BW SCS = 30kHz			PC3 100MHz BW SCS = 30kHz			PC2 100MHz BW SCS = 30kHz					
Channel				649668	656000	662332	650000	656000	662000	650000	656000	662000			
Frequency (MHz)				3745.02	3840	3934.98	3750	3840	3930	3750	3840	3930			
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	23.26	23.27	22.93	22.84	23.33	23.28	24.80	25.29	25.27			
	$\pi/2$ BPSK	1	Right	23.40	22.94	23.29	23.28	23.41	22.90	25.24	25.30	24.79			
	$\pi/2$ BPSK	Innter_Full	Mid	23.41	23.29	23.11	23.17	23.38	23.28	25.14	25.43	25.19			
	QPSK	1	Left	23.24	23.29	22.94	22.89	23.32	23.21	24.83	25.23	25.12			
	QPSK	1	Right	23.40	22.98	23.31	23.37	23.50	22.91	25.31	25.52	24.88			
	QPSK	Innter_Full	Mid	23.44	23.33	23.37	23.88	23.53	23.19	25.84	25.50	25.13			
	16QAM	1	Left	23.33	23.42	23.08	23.19	23.34	23.50	25.08	25.28	25.52			
	16QAM	1	Right	23.43	23.08	23.39	23.45	23.48	23.08	25.36	25.50	25.08			
	16QAM	Innter_Full	Mid	23.40	23.32	23.17	23.10	23.39	23.29	25.12	25.38	25.31			
	64QAM	1	Left	23.30	23.14	23.21	23.22	23.49	23.19	25.13	25.40	25.18			
	64QAM	1	Right	23.34	23.01	23.19	23.33	23.44	23.15	25.27	25.43	25.14			
	64QAM	Innter_Full	Mid	23.38	23.36	23.03	23.11	23.32	23.27	25.02	25.21	25.24			
	256QAM	1	Left	21.77	21.75	21.58	21.50	21.72	21.74	23.52	23.66	23.63			
	256QAM	1	Right	21.98	21.61	21.89	21.93	22.13	21.54	23.92	24.04	23.53			
	256QAM	Innter_Full	Mid	21.90	21.86	21.68	21.66	21.96	21.77	23.57	23.87	23.76			

➤ 5G NR n77_Block C_Ant.3_DSI-1/2/3/4

5G NR n77		RB Size	RB Offset	PC3 10MHz BW SCS = 30kHz			PC3 15MHz BW SCS = 30kHz			PC3 20MHz BW SCS = 30kHz			PC3 40MHz BW SCS = 30kHz		
Channel				647000	656000	665000	647168	656000	664832	647334	656000	664666	648000	656000	664000
Frequency (MHz)				3705	3840	3975	3707.52	3840	3972.48	3710.01	3840	3969.99	3720	3840	3960
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	16.88	16.51	16.98	16.53	16.46	16.98	16.58	16.44	16.90	16.82	16.44	17.07
	$\pi/2$ BPSK	1	Right	16.32	16.68	16.90	16.35	16.73	17.01	16.32	16.60	17.00	16.24	16.67	16.86
	$\pi/2$ BPSK	Innter_Full	Mid	16.68	16.57	17.07	16.97	16.54	16.97	16.75	16.44	16.98	16.73	16.64	16.90
	QPSK	1	Left	16.75	16.41	16.79	16.68	16.41	16.87	16.71	16.46	16.92	16.85	16.44	16.79
	QPSK	1	Right	16.50	16.87	17.14	16.50	16.87	17.15	16.51	16.74	17.24	16.56	16.97	17.05
	QPSK	Innter_Full	Mid	16.74	17.48	16.98	16.71	17.45	17.03	16.71	17.47	16.83	16.88	17.38	16.88
	16QAM	1	Left	16.90	16.61	16.94	16.70	16.44	16.76	17.00	16.69	16.91	16.87	16.39	16.88
	16QAM	1	Right	16.47	16.89	17.17	16.45	17.02	17.20	16.28	17.14	17.22	16.58	16.84	17.22
	16QAM	Innter_Full	Mid	17.04	16.84	16.66	16.94	16.70	16.88	17.14	16.89	16.96	16.98	16.84	16.66
	64QAM	1	Left	16.86	16.66	17.08	16.93	16.64	17.16	16.83	16.67	17.09	16.74	16.61	17.14
	64QAM	1	Right	16.90	16.93	16.99	16.95	16.83	16.83	16.72	16.88	16.91	16.77	16.85	16.71
	64QAM	Innter_Full	Mid	16.86	16.68	16.76	16.71	16.63	16.81	16.77	16.63	16.87	16.56	16.56	16.91
	256QAM	1	Left	15.21	14.77	15.21	15.09	14.72	15.34	15.39	14.90	15.34	15.29	14.82	15.14
	256QAM	1	Right	15.03	15.55	15.62	14.96	15.45	15.65	15.09	15.57	15.58	14.91	15.67	15.82
	256QAM	Innter_Full	Mid	15.16	15.16	15.45	15.29	15.01	15.56	15.27	15.26	15.61	14.99	15.03	15.50
5G NR n77		RB Size	RB Offset	PC3 50MHz BW SCS = 30kHz			PC3 60MHz BW SCS = 30kHz			PC3 70MHz BW SCS = 30kHz			PC3 80MHz BW SCS = 30kHz		
Channel				648334	656000	663666	648668	656000	663334	649000	656000	663000	649334	656000	662666
Frequency (MHz)				3725.01	3840	3954.99	3730.02	3840	3950.01	3735	3840	3945	3740.01	3840	3939.99
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	16.73	16.34	17.03	16.72	16.36	17.02	16.67	16.31	16.98	16.63	16.46	17.14
	$\pi/2$ BPSK	1	Right	16.19	16.73	16.86	16.40	16.80	16.86	16.35	16.68	17.00	16.35	16.90	17.32
	$\pi/2$ BPSK	Innter_Full	Mid	16.87	16.67	17.07	16.92	16.51	16.85	16.98	16.79	16.85	16.80	16.56	17.39
	QPSK	1	Left	16.65	16.34	16.86	16.73	16.51	16.87	16.73	16.43	16.84	16.80	16.41	16.62
	QPSK	1	Right	16.58	16.97	17.15	16.48	16.69	16.85	16.56	16.67	16.97	16.50	16.69	16.67
	QPSK	Innter_Full	Mid	16.74	17.47	16.80	16.89	17.43	16.93	16.79	17.42	16.98	16.64	17.51	17.51
	16QAM	1	Left	16.80	16.68	16.86	16.94	16.44	16.96	16.72	16.64	17.01	16.84	16.74	17.50
	16QAM	1	Right	16.37	16.92	17.13	16.45	16.95	17.05	16.23	16.94	17.22	16.58	16.85	17.39
	16QAM	Innter_Full	Mid	16.91	16.67	16.83	16.91	16.79	16.73	16.86	16.67	16.94	17.03	16.64	17.27
	64QAM	1	Left	16.71	16.67	17.08	16.71	16.79	17.14	16.71	16.61	17.09	16.84	16.86	17.42
	64QAM	1	Right	16.84	16.85	16.78	16.67	17.02	16.86	16.95	16.90	17.06	16.70	17.00	17.42
	64QAM	Innter_Full	Mid	16.67	16.40	16.84	16.74	16.48	16.89	16.81	16.61	16.77	16.76	16.48	17.43
	256QAM	1	Left	15.26	14.80	15.32	15.33	14.94	15.32	15.33	14.65	15.34	15.23	14.89	15.82
	256QAM	1	Right	14.86	15.57	15.68	14.96	15.45	15.62	14.91	15.43	15.62	15.03	15.52	16.24
	256QAM	Innter_Full	Mid	15.27	15.05	15.46	15.21	15.21	15.38	15.19	15.11	15.51	15.12	15.21	15.77
5G NR n77		RB Size	RB Offset	PC3 90MHz BW SCS = 30kHz			PC3 100MHz BW SCS = 30kHz			PC2 100MHz BW SCS = 30kHz					
Channel				649668	656000	662332	650000	656000	662000	650000	656000	662000			
Frequency (MHz)				3745.02	3840	3934.98	3750	3840	3930	3750	3840	3930			
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	16.53	16.23	16.88	17.29	17.31	17.24	19.32	19.31	19.19			
	$\pi/2$ BPSK	1	Right	16.35	16.68	17.05	17.02	16.78	16.67	19.02	18.73	18.62			
	$\pi/2$ BPSK	Innter_Full	Mid	16.68	16.51	17.03	16.88	16.81	16.67	18.90	18.83	18.60			
	QPSK	1	Left	16.68	16.49	16.71	17.66	17.52	17.44	19.64	19.60	19.49			
	QPSK	1	Right	16.50	16.91	17.10	17.68	17.62	17.51	19.65	19.59	19.51			
	QPSK	Innter_Full	Mid	16.74	17.38	16.92	17.74	17.73	17.60	19.76	19.65	19.57			
	16QAM	1	Left	16.89	16.56	16.78	16.40	16.25	16.37	18.30	18.22	18.40			
	16QAM	1	Right	16.43	17.09	16.98	16.77	16.76	16.60	18.82	18.71	18.67			
	16QAM	Innter_Full	Mid	17.03	16.70	16.94	16.88	16.83	16.63	18.91	18.91	18.65			
	64QAM	1	Left	16.99	16.69	17.23	16.65	16.56	16.44	18.67	18.53	18.46			
	64QAM	1	Right	16.60	16.85	16.88	17.17	17.24	17.12	19.12	19.24	19.14			
	64QAM	Innter_Full	Mid	16.74	16.53	16.84	16.88	16.82	16.73	18.85	18.77	18.60			
	256QAM	1	Left	15.33	15.00	15.37	16.02	16.03	15.82	17.94	18.05	17.94			
	256QAM	1	Right	15.14	15.52	15.77	15.52	15.45	15.32	17.55	17.38	17.40			
	256QAM	Innter_Full	Mid	15.09	15.13	15.68	15.42	15.31	15.22	17.39	17.28	17.27			

➤ 5G NR n77_Block C_Ant.1/2/6_DSI-0

5G NR n77		RB Size	RB Offset	Ant 1_PC3 100MHz BW SCS = 30kHz			Ant 2_PC3 100MHz BW SCS = 30kHz			Ant 6_PC3 100MHz BW SCS = 30kHz		
Channel				650000	656000	662000	650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930
DFT-s-OFDM	$\pi/2$ BPSK	1	Left	19.82	19.80	19.18	19.40	19.17	18.99	20.31	20.15	19.93
	$\pi/2$ BPSK	1	Right	19.79	19.85	19.33	19.14	18.83	18.75	19.65	19.47	19.29
	$\pi/2$ BPSK	Innter_Full	Mid	19.57	19.50	19.50	18.80	18.54	18.45	20.19	20.09	19.75
	QPSK	1	Left	19.86	19.87	19.38	19.38	19.18	19.00	20.34	20.19	19.96
	QPSK	1	Right	19.80	19.75	19.30	19.07	18.78	18.74	19.73	19.52	19.40
	QPSK	Innter_Full	Mid	20.16	20.13	19.48	19.86	19.58	19.50	20.46	20.20	20.05
	16QAM	1	Left	20.02	20.03	19.38	19.71	19.48	19.30	19.85	19.72	19.41
	16QAM	1	Right	19.83	19.83	19.44	19.12	18.78	18.73	19.83	19.73	19.42
	16QAM	Innter_Full	Mid	19.79	19.74	19.59	19.17	18.88	18.84	20.21	19.95	19.80
	64QAM	1	Left	19.70	19.73	19.52	19.26	18.97	18.80	20.21	20.06	19.80
	64QAM	1	Right	18.31	18.32	19.62	17.65	17.37	17.21	19.95	19.76	19.49
	64QAM	Innter_Full	Mid	19.82	19.86	19.53	19.00	18.77	18.65	20.22	20.09	19.78
	256QAM	1	Left	18.54	18.55	17.92	18.02	17.66	17.64	18.87	18.63	18.49
	256QAM	1	Right	19.75	19.73	17.99	19.09	18.80	18.68	18.40	18.27	18.01
CP-OFDM	256QAM	Innter_Full	Mid	18.21	18.27	18.03	17.43	17.17	17.07	18.70	18.54	18.40
	QPSK	1	Left	19.90	19.90	19.79	19.47	19.19	19.06	19.76	19.61	19.35
	QPSK	1	Right	19.75	19.78	19.42	19.08	18.80	18.69	19.77	19.61	19.38
	QPSK	Innter_Full	Mid	19.59	19.60	19.67	18.84	18.58	18.54	20.13	20.00	19.75
	16QAM	1	Left	19.66	19.66	19.80	19.70	19.42	19.40	19.98	19.79	19.59
	16QAM	1	Right	19.25	19.18	19.66	18.55	18.21	18.17	19.96	19.75	19.61
	16QAM	Innter_Full	Mid	19.85	19.86	19.67	19.04	18.76	18.66	20.18	20.05	19.80
	64QAM	1	Left	19.79	19.74	19.61	18.91	18.60	18.61	20.18	20.02	19.77
	64QAM	1	Right	19.97	20.00	19.73	19.57	19.29	19.13	19.10	18.91	18.80
	64QAM	Innter_Full	Mid	19.50	19.53	19.25	18.29	18.01	17.90	19.62	19.44	19.16
	256QAM	1	Left	19.80	19.83	19.71	19.79	19.56	19.43	18.54	18.33	18.16
	256QAM	1	Right	20.01	20.04	19.98	19.55	19.21	19.20	18.62	18.46	18.24
	256QAM	Innter_Full	Mid	19.73	19.76	19.69	19.28	19.02	18.90	19.97	19.82	19.56

4.4.5. Conducted Power of WLAN

The measuring conducted average power is shown as below.

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-0/1/3)		
			Ant. 5	Ant. 7	Total
802.11b	---	2412	17.88	17.34	/
802.11b	---	2437	17.95	17.13	/
802.11b	---	2462	18.05	17.38	/
802.11g	---	2412	16.25	15.61	/
802.11g	---	2437	17.97	17.21	/
802.11g	---	2462	16.03	15.52	/
802.11n20	---	2412	14.77	13.86	17.35
802.11n20	---	2437	15.09	14.07	17.62
802.11n20	---	2462	15.86	13.96	18.02
802.11n40	FULL	2412	14.88	13.72	17.35
802.11n40	FULL	2437	14.59	13.64	17.15
802.11n40	FULL	2462	14.92	13.04	17.09

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-2)		
			Ant. 5	Ant. 7	Total
802.11b	---	2412	11.61	11.63	/
802.11b	---	2437	11.90	11.41	/
802.11b	---	2462	11.92	11.47	/
802.11g	---	2412	9.83	8.72	/
802.11g	---	2437	11.27	11.20	/
802.11g	---	2462	9.69	9.07	/
802.11n20	---	2412	9.07	8.27	11.70
802.11n20	---	2437	9.57	8.47	12.07
802.11n20	---	2462	9.25	8.16	11.75
802.11n40	FULL	2412	8.28	7.75	11.03
802.11n40	FULL	2437	8.75	7.74	11.28
802.11n40	FULL	2462	8.82	8.06	11.47

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-4)		
			Ant. 5	Ant. 7	Total
802.11b	---	2412	12.49	12.20	/
802.11b	---	2437	12.82	12.32	/
802.11b	---	2462	12.76	12.47	/
802.11g	---	2412	10.49	9.20	/
802.11g	---	2437	12.85	12.36	/
802.11g	---	2462	10.92	9.27	/
802.11n20	---	2412	9.96	9.05	12.54
802.11n20	---	2437	10.55	9.39	13.02
802.11n20	---	2462	10.10	9.14	12.66
802.11n40	FULL	2412	9.16	8.84	12.01
802.11n40	FULL	2437	9.58	8.91	12.27
802.11n40	FULL	2462	9.83	9.10	12.49

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-0)			Average power Result [dBm] (DSI-1)			Average power Result [dBm] (DSI-3)		
			Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total
802.11a	---	5180	17.07	17.78	/	15.14	15.06	/	15.67	15.19	/
802.11a	---	5200	16.67	17.63	/	15.17	15.28	/	15.33	15.09	/
802.11a	---	5240	16.94	17.84	/	15.48	15.65	/	15.76	15.54	/
802.11a	---	5260	17.71	17.75	/	16.11	15.98	/	16.26	16.45	/
802.11a	---	5280	17.71	17.74	/	15.42	15.90	/	16.10	16.46	/
802.11a	---	5320	16.84	17.68	/	15.82	14.49	/	16.05	16.43	/
802.11a	---	5500	16.64	17.89	/	15.12	16.05	/	14.91	16.15	/
802.11a	---	5600	16.76	17.76	/	14.57	16.65	/	14.55	16.81	/
802.11a	---	5700	16.36	17.39	/	14.79	15.61	/	14.55	15.68	/
802.11a	---	5720	16.48	17.65	/	15.01	16.08	/	14.41	15.99	/
802.11a	---	5745	15.83	17.40	/	13.61	14.69	/	14.45	15.54	/
802.11a	---	5785	15.93	17.67	/	13.66	14.90	/	14.46	15.85	/
802.11a	---	5825	17.20	17.70	/	13.99	15.18	/	14.86	16.05	/
802.11n20	---	5180	14.22	14.24	17.24	11.91	12.98	15.49	12.69	12.01	15.37
802.11n20	---	5200	14.21	15.12	17.70	11.74	11.43	14.60	13.06	12.34	15.73
802.11n20	---	5240	14.72	13.16	17.02	12.71	12.16	15.45	13.39	12.52	15.99
802.11n20	---	5260	14.71	14.68	17.71	13.19	12.49	15.86	13.58	12.94	16.28
802.11n20	---	5280	14.76	14.49	17.64	13.36	12.54	15.98	13.83	12.89	16.40
802.11n20	---	5320	14.14	14.11	17.14	12.44	12.20	15.33	13.11	12.66	15.90
802.11n20	---	5500	13.96	14.48	17.24	10.75	11.58	14.20	10.73	11.47	14.13
802.11n20	---	5600	13.82	15.15	17.55	10.92	12.48	14.78	10.92	12.49	14.79
802.11n20	---	5700	14.19	14.58	17.40	10.52	10.92	13.73	10.76	10.94	13.86
802.11n20	---	5720	13.98	14.49	17.25	11.16	11.70	14.45	11.21	11.65	14.45
802.11n20	---	5745	13.82	14.45	17.16	10.29	10.90	13.62	11.29	11.79	14.56
802.11n20	---	5785	14.06	14.44	17.26	10.53	11.07	13.82	11.83	12.38	15.12
802.11n20	---	5825	14.23	14.45	17.35	10.60	10.58	13.60	12.03	12.33	15.19
802.11n40	---	5190	13.70	13.61	16.67	11.77	11.29	14.55	13.20	12.55	15.90
802.11n40	---	5230	14.44	14.01	17.24	12.41	11.70	15.08	13.67	12.71	16.23
802.11n40	---	5270	14.34	13.96	17.16	13.66	12.76	16.24	13.93	13.15	16.57
802.11n40	---	5310	14.12	13.97	17.06	13.06	12.67	15.88	13.65	13.09	16.39
802.11n40	---	5510	13.83	14.92	17.42	10.97	11.60	14.31	11.00	11.57	14.30
802.11n40	---	5590	13.77	15.54	17.75	10.96	12.44	14.77	10.88	12.48	14.76
802.11n40	---	5670	13.59	14.11	16.87	10.71	11.25	14.00	10.69	11.30	14.02
802.11n40	---	5710	13.97	14.25	17.12	11.15	11.52	14.35	11.19	11.53	14.37
802.11n40	---	5755	13.22	13.88	16.57	10.42	10.98	13.72	11.52	11.93	14.74
802.11n40	---	5795	14.09	14.20	17.16	10.98	11.40	14.21	11.91	12.13	15.03
802.11ac20	---	5180	13.46	15.24	17.45	11.82	12.97	15.44	12.07	11.36	14.74
802.11ac20	---	5200	13.69	13.90	16.81	11.82	11.47	14.66	12.27	11.65	14.98
802.11ac20	---	5240	14.75	13.18	17.05	12.75	12.10	15.45	13.06	12.22	15.67
802.11ac20	---	5260	14.61	14.58	17.61	12.82	12.26	15.56	13.78	13.18	16.50
802.11ac20	---	5280	14.57	14.31	17.45	13.11	12.26	15.72	13.82	12.95	16.42
802.11ac20	---	5320	13.98	14.02	17.01	12.15	11.84	15.01	13.06	12.63	15.86
802.11ac20	---	5500	13.94	14.53	17.26	11.00	11.70	14.37	11.03	11.75	14.42
802.11ac20	---	5600	13.75	15.21	17.55	11.03	12.37	14.76	10.68	12.28	14.56
802.11ac20	---	5700	13.48	13.80	16.65	10.89	10.96	13.94	10.66	10.43	13.56
802.11ac20	---	5720	13.92	14.46	17.21	11.31	11.84	14.59	11.78	11.75	14.78
802.11ac20	---	5745	13.49	13.99	16.76	9.72	10.09	12.92	11.41	11.83	14.64
802.11ac20	---	5785	13.82	14.32	17.09	9.88	10.47	13.20	11.02	11.40	14.22
802.11ac20	---	5825	14.05	14.33	17.20	10.38	10.63	13.52	10.99	11.30	14.16
802.11ac40	---	5190	13.45	14.98	17.29	11.81	11.33	14.59	12.23	11.55	14.91
802.11ac40	---	5230	14.39	14.07	17.24	12.60	11.95	15.30	13.01	12.13	15.60
802.11ac40	---	5270	14.57	14.22	17.41	12.37	11.63	15.03	13.53	13.58	16.57
802.11ac40	---	5310	14.11	14.00	17.07	12.32	11.96	15.15	13.28	12.79	16.05
802.11ac40	---	5510	14.13	14.56	17.36	10.78	12.15	14.53	11.26	11.76	14.53
802.11ac40	---	5590	13.61	15.12	17.44	11.04	12.52	14.85	11.03	12.70	14.96
802.11ac40	---	5670	13.51	13.98	16.76	10.83	11.30	14.08	10.96	11.41	14.20
802.11ac40	---	5710	14.02	14.35	17.20	11.27	11.58	14.44	11.07	11.41	14.25
802.11ac40	---	5755	13.37	13.79	16.60	9.76	10.34	13.07	10.46	11.91	14.26

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-0)			Average power Result [dBm] (DSI-1)			Average power Result [dBm] (DSI-3)		
			Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total
802.11ac40	---	5795	13.42	13.81	16.63	9.47	9.51	12.50	11.22	11.41	14.33
802.11ac80	---	5210	13.70	13.22	16.48	11.62	10.84	14.26	12.02	11.05	14.57
802.11ac80	---	5290	13.97	13.83	16.91	11.72	11.35	14.55	12.82	12.37	15.61
802.11ac80	---	5530	13.70	14.17	16.95	10.93	11.18	14.07	10.76	12.11	14.50
802.11ac80	---	5610	13.59	14.78	17.24	10.82	11.98	14.45	10.85	11.98	14.46
802.11ac80	---	5690	13.77	14.23	17.02	11.19	11.50	14.36	11.11	11.48	14.31
802.11ac80	---	5775	13.59	13.88	16.75	11.01	11.06	14.05	10.63	11.83	14.28
802.11ax20	FULL	5180	13.29	13.21	16.26	12.52	12.01	15.28	12.54	11.84	15.21
802.11ax20	FULL	5200	13.32	13.38	16.36	12.70	12.27	15.50	12.37	11.86	15.13
802.11ax20	FULL	5240	13.73	13.33	16.54	13.08	12.34	15.74	13.05	12.16	15.64
802.11ax20	FULL	5260	13.45	13.32	16.40	12.69	12.28	15.50	13.80	13.15	16.50
802.11ax20	FULL	5280	13.77	13.37	16.58	12.97	12.18	15.60	13.90	13.12	16.54
802.11ax20	FULL	5320	13.61	13.60	16.62	12.80	12.55	15.69	13.74	13.27	16.52
802.11ax20	FULL	5500	13.22	13.87	16.57	11.15	12.29	14.77	11.42	12.14	14.81
802.11ax20	FULL	5600	12.69	13.92	16.36	11.08	12.42	14.81	10.86	12.19	14.59
802.11ax20	FULL	5700	12.97	13.39	16.20	11.43	11.66	14.56	11.45	11.42	14.45
802.11ax20	FULL	5720	12.88	13.40	16.16	10.91	11.22	14.08	11.29	11.40	14.36
802.11ax20	FULL	5745	12.81	13.40	16.13	10.44	10.92	13.70	11.04	11.53	14.30
802.11ax20	FULL	5785	12.88	13.31	16.11	9.69	10.11	12.92	11.09	11.31	14.21
802.11ax20	FULL	5825	13.21	13.60	16.42	11.06	11.22	14.15	11.48	11.55	14.53
802.11ax40	FULL	5190	13.08	13.15	16.13	11.82	11.33	14.59	12.48	11.76	15.15
802.11ax40	FULL	5230	13.73	13.41	16.58	12.78	12.02	15.43	12.74	11.71	15.27
802.11ax40	FULL	5270	13.61	13.36	16.50	12.56	11.93	15.27	13.20	13.40	16.31
802.11ax40	FULL	5310	13.33	13.42	16.39	12.23	11.82	15.04	13.72	13.17	16.46
802.11ax40	FULL	5510	13.19	13.95	16.60	11.57	12.16	14.89	11.03	12.61	14.90
802.11ax40	FULL	5590	12.76	14.48	16.71	11.09	12.39	14.80	10.85	12.27	14.63
802.11ax40	FULL	5670	12.83	13.47	16.17	11.29	11.81	14.57	11.25	11.77	14.53
802.11ax40	FULL	5710	12.92	13.28	16.11	11.01	11.22	14.13	11.27	11.50	14.40
802.11ax40	FULL	5755	12.77	13.37	16.09	10.07	10.61	13.36	10.33	11.75	14.11
802.11ax40	FULL	5795	12.83	13.31	16.09	10.16	10.31	13.25	11.13	11.21	14.18
802.11ax80	FULL	5210	13.34	13.08	16.22	12.31	11.52	14.94	12.40	11.45	14.96
802.11ax80	FULL	5290	13.31	13.30	16.32	11.91	11.40	14.67	13.25	13.78	16.53
802.11ax80	FULL	5530	13.08	13.73	16.43	11.36	11.74	14.56	11.27	12.95	15.20
802.11ax80	FULL	5610	12.48	13.38	15.96	10.87	11.92	14.44	10.83	11.92	14.42
802.11ax80	FULL	5690	12.94	13.44	16.21	11.17	11.57	14.38	11.27	11.46	14.38
802.11ax80	FULL	5775	12.71	13.11	15.92	10.12	10.25	13.20	10.77	11.89	14.38

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-2)			Average power Result [dBm] (DSI-4)		
			Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total
802.11a	---	5180	10.37	9.81	/	9.07	9.23	/
802.11a	---	5200	10.34	10.50	/	9.11	9.41	/
802.11a	---	5240	11.21	10.92	/	9.57	9.88	/
802.11a	---	5260	11.39	11.96	/	10.35	11.01	/
802.11a	---	5280	11.64	11.91	/	10.33	10.93	/
802.11a	---	5320	11.45	11.76	/	10.47	10.65	/
802.11a	---	5500	10.94	12.00	/	8.78	10.34	/
802.11a	---	5600	10.82	12.95	/	8.39	10.87	/
802.11a	---	5700	11.03	11.76	/	8.66	9.89	/
802.11a	---	5720	10.97	12.24	/	8.71	10.35	/
802.11a	---	5745	10.69	11.87	/	8.44	9.85	/
802.11a	---	5785	10.87	12.09	/	8.67	10.24	/
802.11a	---	5825	11.19	11.95	/	9.05	10.21	/
802.11n20	---	5180	7.91	7.39	10.67	6.80	6.22	9.53
802.11n20	---	5200	8.26	7.71	11.00	7.04	6.42	9.75
802.11n20	---	5240	8.61	7.72	11.20	7.63	6.78	10.24

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-2)			Average power Result [dBm] (DSI-4)		
			Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total
802.11n20	---	5260	8.51	8.27	11.40	7.53	7.26	10.41
802.11n20	---	5280	8.78	7.98	11.41	7.73	6.96	10.37
802.11n20	---	5320	8.17	7.83	11.01	7.15	6.84	10.01
802.11n20	---	5500	6.83	7.50	10.19	4.45	5.65	8.10
802.11n20	---	5600	6.85	8.21	10.59	4.54	6.18	8.45
802.11n20	---	5700	6.80	7.11	9.97	4.36	5.23	7.83
802.11n20	---	5720	7.12	7.54	10.35	4.72	5.69	8.24
802.11n20	---	5745	7.46	8.27	10.89	5.21	6.18	8.73
802.11n20	---	5785	7.68	8.18	10.95	5.56	6.38	9.00
802.11n20	---	5825	7.97	8.28	11.14	5.88	6.40	9.16
802.11n40	---	5190	8.11	7.54	10.84	7.20	6.66	9.95
802.11n40	---	5230	8.69	7.71	11.24	7.66	6.77	10.25
802.11n40	---	5270	8.89	8.10	11.52	7.88	8.01	10.96
802.11n40	---	5310	8.79	8.32	11.57	7.39	6.83	10.13
802.11n40	---	5510	6.63	7.43	10.06	4.83	5.64	8.26
802.11n40	---	5590	7.00	8.38	10.75	4.58	6.33	8.55
802.11n40	---	5670	7.08	7.48	10.29	4.74	5.59	8.20
802.11n40	---	5710	7.13	7.37	10.26	4.70	5.58	8.17
802.11n40	---	5755	7.50	8.25	10.90	5.36	5.95	8.68
802.11n40	---	5795	7.58	8.18	10.90	5.81	6.17	9.00
802.11ac20	---	5180	6.99	6.48	9.75	5.68	6.92	9.35
802.11ac20	---	5200	7.32	6.58	9.98	6.36	5.81	9.10
802.11ac20	---	5240	7.68	7.06	10.39	6.94	6.08	9.54
802.11ac20	---	5260	8.69	8.49	11.60	7.78	7.23	10.52
802.11ac20	---	5280	8.93	8.15	11.57	7.86	7.09	10.50
802.11ac20	---	5320	8.11	7.71	10.92	7.25	6.90	10.09
802.11ac20	---	5500	7.16	7.64	10.42	4.73	5.89	8.36
802.11ac20	---	5600	7.03	8.28	10.71	4.63	6.29	8.55
802.11ac20	---	5700	6.79	6.76	9.79	4.65	4.61	7.64
802.11ac20	---	5720	7.53	7.43	10.49	5.93	5.88	8.92
802.11ac20	---	5745	6.77	7.08	9.94	4.58	5.30	7.97
802.11ac20	---	5785	6.81	7.29	10.07	4.91	5.56	8.26
802.11ac20	---	5825	6.84	7.05	9.96	5.41	5.62	8.53
802.11ac40	---	5190	7.45	6.78	10.14	6.29	5.67	9.00
802.11ac40	---	5230	7.36	6.48	9.95	6.87	5.92	9.43
802.11ac40	---	5270	8.59	8.79	11.70	7.58	7.76	10.68
802.11ac40	---	5310	8.03	7.61	10.84	7.16	6.67	9.93
802.11ac40	---	5510	6.83	8.41	10.70	5.10	6.78	9.03
802.11ac40	---	5590	7.03	8.49	10.83	4.79	6.44	8.70
802.11ac40	---	5670	7.11	7.69	10.42	4.97	5.82	8.43
802.11ac40	---	5710	7.28	7.50	10.40	4.95	5.75	8.38
802.11ac40	---	5755	6.65	8.29	10.56	4.70	6.41	8.65
802.11ac40	---	5795	7.08	7.23	10.17	4.91	5.47	8.21
802.11ac80	---	5210	7.09	6.16	9.66	6.00	5.16	8.61
802.11ac80	---	5290	7.87	8.47	11.19	7.11	6.63	9.89
802.11ac80	---	5530	6.89	8.47	10.76	4.63	6.38	8.60
802.11ac80	---	5610	6.75	7.74	10.28	4.49	6.05	8.35
802.11ac80	---	5690	7.18	7.35	10.28	4.77	5.57	8.20
802.11ac80	---	5775	6.21	7.61	9.98	4.67	5.84	8.30
802.11ax20	FULL	5180	7.70	7.06	10.40	6.66	6.08	9.39
802.11ax20	FULL	5200	7.49	6.63	10.09	6.46	5.65	9.08
802.11ax20	FULL	5240	8.46	7.94	11.22	6.52	5.97	9.26
802.11ax20	FULL	5260	8.86	8.40	11.65	7.29	6.77	10.05
802.11ax20	FULL	5280	8.55	7.88	11.24	8.09	7.26	10.71
802.11ax20	FULL	5320	8.47	8.32	11.41	7.41	7.11	10.27
802.11ax20	FULL	5500	7.57	8.19	10.90	4.92	6.00	8.50
802.11ax20	FULL	5600	7.11	8.38	10.80	4.67	6.38	8.62
802.11ax20	FULL	5700	7.46	7.68	10.58	4.40	4.36	7.39

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Test Mode	RU	Freq. [MHz]	Average power Result [dBm] (DSI-2)			Average power Result [dBm] (DSI-4)		
			Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total
802.11ax20	FULL	5720	7.05	7.50	10.29	6.07	5.99	9.04
802.11ax20	FULL	5745	7.21	7.64	10.44	4.82	6.38	8.68
802.11ax20	FULL	5785	7.32	7.43	10.39	4.41	5.66	8.09
802.11ax20	FULL	5825	7.48	7.71	10.61	5.43	6.04	8.76
802.11ax40	FULL	5190	7.54	6.86	10.22	6.62	5.97	9.32
802.11ax40	FULL	5230	8.09	7.12	10.64	6.78	5.86	9.35
802.11ax40	FULL	5270	8.87	8.08	11.50	7.46	6.57	10.05
802.11ax40	FULL	5310	8.70	8.37	11.55	7.71	7.35	10.54
802.11ax40	FULL	5510	7.57	8.20	10.91	5.08	6.71	8.98
802.11ax40	FULL	5590	7.26	8.73	11.07	4.97	6.60	8.87
802.11ax40	FULL	5670	7.40	7.88	10.66	4.90	6.36	8.70
802.11ax40	FULL	5710	7.59	7.74	10.68	5.18	5.86	8.54
802.11ax40	FULL	5755	6.57	7.10	9.85	4.90	6.70	8.90
802.11ax40	FULL	5795	7.28	7.35	10.33	5.18	5.66	8.44
802.11ax80	FULL	5210	7.25	6.40	9.86	6.40	5.61	9.03
802.11ax80	FULL	5290	8.38	9.02	11.72	7.41	8.04	10.75
802.11ax80	FULL	5530	7.32	8.76	11.11	5.36	6.91	9.21
802.11ax80	FULL	5610	7.07	8.15	10.65	4.77	6.14	8.52
802.11ax80	FULL	5690	7.46	7.78	10.63	5.11	5.82	8.49
802.11ax80	FULL	5775	6.83	7.93	10.43	4.97	6.17	8.62

4.4.6. Conducted Power of BT

Mode	Modulation	Channel	Frequency (MHz)	Average Power (dBm)
BR + EDR	GFSK	0	2402	7.77
		39	2441	8.50
		78	2480	8.32
	$\pi/4$ -DQPSK	0	2402	4.95
		39	2441	5.65
		78	2480	5.58
	8-DPSK	0	2402	4.92
		39	2441	5.62
		78	2480	5.56

Mode	Modulation	Channel	Frequency (MHz)	Average Power (dBm)
LE	GFSK	0	2402	-0.45
		19	2440	0.17
		39	2480	-0.29
2LE	GFSK	0	2402	-2.12
		19	2440	-1.57
		39	2480	-1.61
LE Code (S=2)	GFSK	0	2402	0.14
		19	2440	0.84
		39	2480	0.43
LE Code (S=8)	GFSK	0	2402	-0.14
		19	2440	0.51
		39	2480	0.04

4.5. SAR TEST EXCLUSION EVALUATIONS

4.5.1. Standalone SAR Test Exclusion Considerations

According to KDB 447498 D04, SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time-averaged power or maximum time-averaged ERP, whichever is greater.

The separation distance is the smallest distance from any part of the antenna or radiating structure for all persons, during operation at the applicable ERP. In the case of mobile or portable devices, the separation distance is from the outer housing of the device where it is closest to the antenna.

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula (B.2).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

Mode	Ant.	Max. time-averaged Power (dBm)	Gain (dBi)	ERP (dBm)	P _{ant} (mW)	Left Side			Right Side			Top Side			Bottom Side		
						Ant. to Surface (cm)	P _{th} (mW)	Require SAR Testing ?	Ant. to Surface (cm)	P _{th} (mW)	Require SAR Testing ?	Ant. to Surface (cm)	P _{th} (mW)	Require SAR Testing ?	Ant. to Surface (cm)	P _{th} (mW)	Require SAR Testing ?
GSM 850	0	26.5	-4	20.35	446.68	2.35	81.94	Yes	0.5	9.03	Yes	15.6	1215.60	No	0.5	9.03	Yes
PCS 1900	1	24	0.8	22.65	251.19	0.5	3.35	Yes	5.7	300.77	No	15.3	1865.17	No	0.5	3.35	Yes
WCDMA Band II	1	25	0.8	23.65	316.23	0.5	3.35	Yes	5.7	300.77	Yes	15.3	1865.17	No	0.5	3.35	Yes
WCDMA Band IV	1	24	1	22.85	251.19	0.5	3.58	Yes	5.7	307.78	No	15.3	1874.37	No	0.5	3.58	Yes
WCDMA Band V	0	24	-4	17.85	251.19	2.35	81.94	Yes	0.5	9.03	Yes	15.6	1215.60	No	0.5	9.03	Yes
LTE Band 7	0	17.5	-0.4	14.95	56.23	2.35	50.95	Yes	0.5	2.64	Yes	15.6	1902.60	No	0.5	2.64	Yes
LTE Band 7	4	18.5	-0.3	16.05	70.79	0.5	2.64	Yes	3.1	86.54	No	0.5	2.64	Yes	16.1	2020.94	No
LTE Band 12(17)	0	25	-5.5	17.35	316.23	2.35	87.64	Yes	0.5	11.47	Yes	15.6	1053.83	No	0.5	11.47	Yes
LTE Band 13	0	25	-5.5	17.35	316.23	2.35	84.43	Yes	0.5	10.05	Yes	15.6	1140.74	No	0.5	10.05	Yes
LTE Band 25(2)	1	22.5	0.8	21.15	177.83	0.5	3.34	Yes	5.7	300.55	No	15.3	1864.88	No	0.5	3.34	Yes
LTE Band 25(2)	4	16.5	0.4	14.75	44.67	0.5	3.34	Yes	3.1	97.48	No	0.5	3.34	Yes	16.1	2049.13	No
LTE Band 26(5)	0	25	-4	18.85	316.23	2.35	81.94	Yes	0.5	9.03	Yes	15.6	1215.60	No	0.5	9.03	Yes
LTE Band 30	0	23	-1.2	19.65	199.53	2.35	53.49	Yes	0.5	2.87	Yes	15.6	1913.36	No	0.5	2.87	Yes
LTE Band 41(38)	0	19	-0.4	16.45	79.43	2.35	49.88	Yes	0.5	2.55	Yes	15.6	1897.93	No	0.5	2.55	Yes
LTE Band 41(38)	4	18.5	-0.3	16.05	70.79	0.5	2.55	Yes	3.1	84.95	No	0.5	2.55	Yes	16.1	2016.60	No
LTE Band 42	3	20.5	-1.8	16.55	112.20	0.5	2.04	Yes	7.1	392.61	No	2.6	53.57	Yes	13.2	1342.56	No
LTE Band 43	3	19.5	-1.5	15.85	89.13	0.5	1.93	Yes	7.1	386.65	No	2.6	51.98	Yes	13.2	1334.34	No
LTE Band 48	3	20	-1.5	16.35	100.00	0.5	1.97	Yes	7.1	388.98	No	2.6	52.60	Yes	13.2	1337.56	No
LTE Band 66(4)	1	21	1	19.85	125.89	0.5	3.54	Yes	5.7	306.60	No	15.3	1872.83	No	0.5	3.54	Yes
LTE Band 66(4)	4	24.5	-1.4	20.95	281.84	0.5	3.54	Yes	3.1	100.41	Yes	0.5	3.54	Yes	16.1	2056.20	No
LTE Band 71	0	25	-2.2	20.65	316.23	2.35	88.53	Yes	0.5	11.89	Yes	15.6	1031.58	No	0.5	11.89	Yes
5G NR n7	0	24	-0.4	21.45	251.19	2.35	50.95	Yes	0.5	2.64	Yes	15.6	1902.60	No	0.5	2.64	Yes
5G NR n7	4	18.5	-0.3	16.05	70.79	0.5	2.64	Yes	3.1	86.54	No	0.5	2.64	Yes	16.1	2020.94	No
5G NR n12	0	24.5	-5.5	16.85	281.84	2.35	87.64	Yes	0.5	11.47	Yes	15.6	1053.83	No	0.5	11.47	Yes
5G NR n25(2)	1	22.5	0.8	21.15	177.83	0.5	3.34	Yes	5.7	300.55	No	15.3	1864.88	No	0.5	3.34	Yes
5G NR n25(2)	4	17.5	0.4	15.75	56.23	0.5	3.34	Yes	3.1	97.48	No	0.5	3.34	Yes	16.1	2049.13	No
5G NR n26(5)	0	24.5	-4	18.35	281.84	2.35	81.94	Yes	0.5	9.03	Yes	15.6	1215.60	No	0.5	9.03	Yes
5G NR n38	0	19.5	-0.4	16.95	89.13	2.35	50.49	Yes	0.5	2.60	Yes	15.6	1900.63	No	0.5	2.60	Yes
5G NR n41	0	22.5	-0.4	19.95	177.83	2.35	49.88	Yes	0.5	2.55	Yes	15.6	1897.93	No	0.5	2.55	Yes
5G NR n41	2	22.5	-2.6	17.75	177.83	0.5	2.55	Yes	7.1	417.89	No	3.5	107.28	Yes	12.3	1201.84	No
5G NR n41(38)	4	19.5	-0.3	17.05	89.13	0.5	2.55	Yes	3.1	84.95	Yes	0.5	2.55	Yes	16.1	2016.60	No
5G NR n41	6	22.5	-5.8	14.55	177.83	7.1	417.89	No	0.5	2.55	Yes	0.6	3.61	Yes	14.6	1670.96	No
5G NR n66	1	20.5	1	19.35	112.20	0.5	3.54	Yes	5.7	306.60	No	15.3	1872.83	No	0.5	3.54	Yes
5G NR n66	4	24	-1.4	20.45	251.19	0.5	3.54	Yes	3.1	100.41	Yes	0.5	3.54	Yes	16.1	2056.20	No
5G NR n71	0	25	-2.2	20.65	316.23	2.35	88.53	Yes	0.5	11.89	Yes	15.6	1031.58	No	0.5	11.89	Yes
5G NR n77(78)	1	20.5	0	18.35	112.20	0.5	1.86	Yes	5.7	246.22	No	15.3	1787.19	No	0.5	1.86	Yes
5G NR n77(78)	2	20	-1.5	16.35	100.00	0.5	1.86	Yes	7.1	382.65	No	3.5	92.49	Yes	12.3	1153.15	No
5G NR n77(78)	3	18	-1.5	14.35	63.10	0.5	1.86	Yes	7.1	382.65	No	2.6	50.93	Yes	13.2	1328.78	No
5G NR n77(78)	6	21	0.1	18.95	125.89	7.1	382.65	No	0.5	1.86	Yes	0.6	2.68	Yes	14.6	1626.82	No
WLAN 2.4G	5	18.5	-1.32	15.03	70.79	5.6	271.36	No	0.5	2.73	Yes	0.5	2.73	Yes	16	2001.16	No
	7	18	-3.01	12.84	63.10	7.1	426.29	No	0.5	2.73	Yes	2.5	58.47	Yes	13.2	1387.63	No
WLAN 5G	5	18	-0.77	15.08	63.10	5.6	213.88	No	0.5	1.37	Yes	0.5	1.37	Yes	16	1919.37	No
	7	18.5	-0.73	15.62	70.79	7.1	351.24	No	0.5	1.37	Yes	2.5	39.63	Yes	13.2	1283.89	No
WLAN 6G	5	12.5	-0.77	9.58	17.78	5.6	202.29	No	0.5	1.17	Yes	0.5	1.17	Yes	16	1900.72	No

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

	7	12.5	-0.73	9.62	17.78	7.1	335.68	No	0.5	1.17	Yes	2.5	36.19	No	13.2	1260.77	No
Bluetooth	5	9	-1.32	5.53	7.94	5.6	270.81	No	0.5	2.72	Yes	0.5	2.72	Yes	16	2000.45	No
WLAN DSI-2&4																	
WLAN 2.4G	5	13.5	-1.32	10.03	22.39	5.6	271.36	No	0.5	2.73	Yes	0.5	2.73	Yes	16	2001.16	No
	7	13	-3.01	7.84	19.95	7.1	426.29	No	0.5	2.73	Yes	2.5	58.47	No	13.2	1387.63	No
WLAN 5G	5	11	-0.77	8.08	12.59	5.6	213.88	No	0.5	1.37	Yes	0.5	1.37	Yes	16	1919.37	No
	7	11.5	-0.73	8.62	14.13	7.1	351.24	No	0.5	1.37	Yes	2.5	39.63	No	13.2	1283.89	No

Note:

- 1) Based on the antenna location shown on appendix D of this report for SAR test exclusion.
- 2) The 1 mW Blanket Exemption applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

4.5.2. Estimated SAR Calculation

According to KDB 447498 D04, when an antenna qualifies for test exemption in single transmitter/antenna mode, its actual SAR value may not be available, because it was not required to be measured. In this case, the SAR contribution of that antenna to simultaneous transmission must be estimated relative to the SAR or MPE based exemption criteria for the applicable terms in the equation of § 1.1307(b)(3)(ii)(B) (see also Appendix C), by multiplying the corresponding ratio by the SAR limit of 1.6 W/kg for 1-g SAR. This is referred to as estimated SAR.

For instance, a given antenna may qualify for a SAR-based exemption according to Section B.4, with $P_{ant} < P_{th}$, where P_{ant} is maximum time-averaged power or effective radiated power (ERP), whichever is greater, and P_{th} is defined in Formula (B.2). Then, per the preceding paragraph, the estimated SAR is computed as $SAR_{est} = 1.6 P_{ant} / P_{th} [W/kg]$.

Mode / Band	Ant.	Pant (mW)	Left Side Pth	Left Side Estimate d 1g SAR (W/kg)	Right Side Pth	Right Side Estimate d 1g SAR (W/kg)	Top Side Pth	Top Side Estimate d 1g SAR (W/kg)	Bottom Side Pth	Bottom Side Estimate d 1g SAR (W/kg)
GSM 850	0	446.68	81.94		9.03		1215.60	0.588	9.03	
PCS 1900	1	251.19	3.35		300.77		1865.17	0.215	3.35	
WCDMA Band II	1	316.23	3.35		300.77		1865.17	0.271	3.35	
WCDMA Band IV	1	251.19	3.58		307.78	1.306	1874.37	0.214	3.58	
WCDMA Band V	0	251.19	81.94		9.03		1215.60	0.331	9.03	
LTE Band 7	0	56.23	50.95		2.64		1902.60	0.047	2.64	
LTE Band 7	4	70.79	2.64		86.54	1.309	2.64		2020.94	0.056
LTE Band 12(17)	0	316.23	87.64		11.47		1053.83	0.480	11.47	
LTE Band 13	0	316.23	84.43		10.05		1140.74	0.444	10.05	
LTE Band 25(2)	1	177.83	3.34		300.55	0.947	1864.88	0.153	3.34	
LTE Band 25(2)	4	44.67	3.34		97.48	0.733	3.34		2049.13	0.035
LTE Band 26(5)	0	316.23	81.94		9.03		1215.60	0.416	9.03	
LTE Band 30	0	199.53	53.49		2.87		1913.36	0.167	2.87	
LTE Band 41(38)	0	79.43	49.88		2.55		1897.93	0.067	2.55	
LTE Band 41(38)	4	70.79	2.55		84.95	1.333	2.55		2016.60	0.056
LTE Band 42	3	112.20	2.04		392.61	0.457	53.57		1342.56	0.134
LTE Band 43	3	89.13	1.93		386.65	0.369	51.98		1334.34	0.107
LTE Band 48	3	100.00	1.97		388.98	0.411	52.60		1337.56	0.120
LTE Band 66(4)	1	125.89	3.54		306.60	0.657	1872.83	0.108	3.54	
LTE Band 66(4)	4	281.84	3.54		100.41		3.54		2056.20	0.219
LTE Band 71	0	316.23	88.53		11.89		1031.58	0.490	11.89	
5G NR n7	0	251.19	50.95		2.64		1902.60	0.211	2.64	
5G NR n7	4	70.79	2.64		86.54	1.309	2.64		2020.94	0.056
5G NR n12	0	281.84	87.64		11.47		1053.83	0.428	11.47	
5G NR n25(2)	1	177.83	3.34		300.55	0.947	1864.88	0.153	3.34	
5G NR n25(2)	4	56.23	3.34		97.48	0.923	3.34		2049.13	0.044
5G NR n26(5)	0	281.84	81.94		9.03		1215.60	0.371	9.03	
5G NR n38	0	89.13	50.49		2.60		1900.63	0.075	2.60	
5G NR n41	0	177.83	49.88		2.55		1897.93	0.150	2.55	
5G NR n41	2	177.83	2.55		417.89	0.681	107.28		1201.84	0.237
5G NR n41(38)	4	89.13	2.55		84.95		2.55		2016.60	0.071
5G NR n41	6	177.83	417.89		2.55		3.61		1670.96	0.170
5G NR n66	1	112.20	3.54		306.60	0.586	1872.83	0.096	3.54	
5G NR n66	4	251.19	3.54		100.41		3.54		2056.20	0.195
5G NR n71	0	316.23	88.53		11.89		1031.58	0.490	11.89	
5G NR n77(78)	1	112.20	1.86		246.22	0.729	1787.19	0.100	1.86	
5G NR n77(78)	2	100.00	1.86		382.65	0.418	92.49		1153.15	0.139
5G NR n77(78)	3	63.10	1.86		382.65	0.264	50.93		1328.78	0.076
5G NR n77(78)	6	125.89	382.65	0.526	1.86		2.68		1626.82	0.124
WLAN 2.4G	5	22.39	271.36	0.132	2.73		2.73		2001.16	0.018
	7	19.95	426.29	0.075	2.73		58.47	No	1387.63	0.023
WLAN 5G	5	12.59	213.88	0.094	1.37		1.37		1919.37	0.010
	7	14.13	351.24	0.064	1.37		39.63	No	1283.89	0.018
WLAN 6G	5	17.78	202.29	0.141	1.17		1.17		1900.72	0.015
	7	17.78	335.68	0.085	1.17		36.19	No	1260.77	0.023
Bluetooth	5	7.94	270.81	0.047	2.72		2.72		2000.45	0.006

WLAN DSI-2/4

Mode / Band	Ant.	Pant (mW)	Left Side Pth	Left Side Estimate d 1g SAR (W/kg)	Right Side Pth	Right Side Estimate d 1g SAR (W/kg)	Top Side Pth	Top Side Estimate d 1g SAR (W/kg)	Bottom Side Pth	Bottom Side Estimate d 1g SAR (W/kg)
WLAN 2.4G	5	70.79	271.36	0.417	2.73		2.73		2001.16	0.057
	7	63.10	426.29	0.237	2.73		58.47		1387.63	0.073
WLAN 5G	5	63.10	213.88	0.472	1.37		1.37		1919.37	0.053
	7	70.79	351.24	0.322	1.37		39.63		1283.89	0.088

4.6. SAR TESTING RESULTS

4.6.1. SAR Test Reduction Considerations

KDB 447498 D01 General RF Exposure Guidance

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

KDB 941225 D01 3G SAR Procedures

a) GSM SAR Test Reduction

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. The GMSK EDGE configurations are grouped with GPRS and considered with respect to time-averaged maximum output power to determine compliance. The 3G SAR test reduction procedure is applied to 8-PSK EDGE with GMSK GPRS/EDGE as the primary mode.

b) 3G SAR Test Reduction Procedure

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

KDB 941225 D05 SAR for LTE Devices

a) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

b) QPSK with 100% RB allocation

SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

c) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order

modulation is > 1/2 dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

d) Others channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is > 1/2 dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

KDB 941225 D06 Hot Spot SAR

Hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

Antenna	Front Face	Rear Face	To Left Side (mm)	To Right Side (mm)	To Top Side (mm)	To Bottom Side (mm)
Ant 0	Yes	Yes	Yes	Yes	No	Yes
Ant 1	Yes	Yes	Yes	No	No	Yes
Ant 2	Yes	Yes	Yes	No	No	No
Ant 3	Yes	Yes	Yes	No	No	No
Ant 4	Yes	Yes	Yes	No	Yes	No
Ant 5	Yes	Yes	No	Yes	Yes	No
Ant 6	Yes	Yes	No	Yes	Yes	No
Ant 7	Yes	Yes	No	Yes	Yes	No

KDB 248227 D01 Wi-Fi SAR

- For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

4.6.2. SAR Results for Head Exposure Condition

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
1	GSM850	--	GPRS10	Right Cheek	190	--	--	0	DSI-0	--	32.5	32.02	0.18	0.29	1.12	0.324
	GSM850	--	GPRS10	Right Tilted	190	--	--	0	DSI-0	--	32.5	32.02	0.04	0.156	1.12	0.174
	GSM850	--	GPRS10	Left Cheek	190	--	--	0	DSI-0	--	32.5	32.02	0.10	0.262	1.12	0.293
	GSM850	--	GPRS10	Left Tilted	190	--	--	0	DSI-0	--	32.5	32.02	-0.08	0.129	1.12	0.144
	PCS1900	--	GPRS10	Right Cheek	661	--	--	1	DSI-0	--	30.0	29.26	0.02	0.178	1.19	0.211
	PCS1900	--	GPRS10	Right Tilted	661	--	--	1	DSI-0	--	30.0	29.26	0.01	0.124	1.19	0.147
2	PCS1900	--	GPRS10	Left Cheek	661	--	--	1	DSI-0	--	30.0	29.26	-0.03	0.272	1.19	0.323
	PCS1900	--	GPRS10	Left Tilted	661	--	--	1	DSI-0	--	30.0	29.26	-0.03	0.134	1.19	0.159
	WCDMA Band II	--	RMC12.2K	Right Cheek	9400	--	--	1	DSI-0	--	25.0	24.26	0.14	0.193	1.19	0.229
	WCDMA Band II	--	RMC12.2K	Right Tilted	9400	--	--	1	DSI-0	--	25.0	24.26	0.05	0.134	1.19	0.159
3	WCDMA Band II	--	RMC12.2K	Left Cheek	9400	--	--	1	DSI-0	--	25.0	24.26	0.11	0.293	1.19	0.347
	WCDMA Band II	--	RMC12.2K	Left Tilted	9400	--	--	1	DSI-0	--	25.0	24.26	-0.02	0.144	1.19	0.171
	WCDMA Band IV	--	RMC12.2K	Right Cheek	1413	--	--	1	DSI-0	--	24.0	23.58	0.02	0.249	1.10	0.274
	WCDMA Band IV	--	RMC12.2K	Right Tilted	1413	--	--	1	DSI-0	--	24.0	23.58	0.08	0.152	1.10	0.167
4	WCDMA Band IV	--	RMC12.2K	Left Cheek	1413	--	--	1	DSI-0	--	24.0	23.58	0.02	0.36	1.10	0.397
	WCDMA Band IV	--	RMC12.2K	Left Tilted	1413	--	--	1	DSI-0	--	24.0	23.58	-0.05	0.174	1.10	0.192
5	WCDMA Band V	--	RMC12.2K	Right Cheek	4182	--	--	0	DSI-0	--	24.0	23.64	0.04	0.191	1.09	0.208
	WCDMA Band V	--	RMC12.2K	Right Tilted	4182	--	--	0	DSI-0	--	24.0	23.64	0.02	0.0748	1.09	0.081
	WCDMA Band V	--	RMC12.2K	Left Cheek	4182	--	--	0	DSI-0	--	24.0	23.64	0.09	0.168	1.09	0.183
	WCDMA Band V	--	RMC12.2K	Left Tilted	4182	--	--	0	DSI-0	--	24.0	23.64	0.02	0.0805	1.09	0.087
	LTE Band 7	--	QPSK20M	Right Cheek	20850	1	0	0	DSI-0	--	24.0	23.65	0.05	0.091	1.08	0.099
	LTE Band 7	--	QPSK20M	Right Tilted	20850	1	0	0	DSI-0	--	24.0	23.65	-0.05	0.044	1.08	0.048
	LTE Band 7	--	QPSK20M	Left Cheek	20850	1	0	0	DSI-0	--	24.0	23.65	0.08	0.113	1.08	0.122
	LTE Band 7	--	QPSK20M	Left Tilted	20850	1	0	0	DSI-0	--	24.0	23.65	-0.01	0.081	1.08	0.088
	LTE Band 7	--	QPSK20M	Right Cheek	20850	50	0	0	DSI-0	--	23.0	22.48	0.03	0.0722	1.13	0.081
	LTE Band 7	--	QPSK20M	Right Tilted	20850	50	0	0	DSI-0	--	23.0	22.48	0.05	0.0349	1.13	0.039
	LTE Band 7	--	QPSK20M	Left Cheek	20850	50	0	0	DSI-0	--	23.0	22.48	-0.05	0.0896	1.13	0.101
	LTE Band 7	--	QPSK20M	Left Tilted	20850	50	0	0	DSI-0	--	23.0	22.48	0.06	0.0642	1.13	0.072
	LTE Band 7	--	QPSK20M	Right Cheek	21100	1	49	4	DSI-1	--	17.0	16.78	0.03	0.586	1.05	0.616
	LTE Band 7	--	QPSK20M	Right Tilted	21100	1	49	4	DSI-1	--	17.0	16.78	0.03	0.672	1.05	0.707
	LTE Band 7	--	QPSK20M	Left Cheek	21100	1	49	4	DSI-1	--	17.0	16.78	0.03	0.613	1.05	0.645
	LTE Band 7	--	QPSK20M	Left Tilted	21100	1	49	4	DSI-1	--	17.0	16.78	0.07	0.695	1.05	0.731
	LTE Band 7	--	QPSK20M	Left Tilted	20850	1	49	4	DSI-1	--	17.0	16.41	0.14	0.681	1.15	0.780
6	LTE Band 7	--	QPSK20M	Left Tilted	21350	1	49	4	DSI-1	--	17.0	16.68	-0.08	0.73	1.08	0.786

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 7	--	QPSK20M	Right Cheek	20850	50	25	4	DSI-1	--	16.0	15.40	0.02	0.446	1.15	0.512
	LTE Band 7	--	QPSK20M	Right Tilted	20850	50	25	4	DSI-1	--	16.0	15.40	0.09	0.512	1.15	0.588
	LTE Band 7	--	QPSK20M	Left Cheek	20850	50	25	4	DSI-1	--	16.0	15.40	0.07	0.467	1.15	0.536
	LTE Band 7	--	QPSK20M	Left Tilted	20850	50	25	4	DSI-1	--	16.0	15.40	0.01	0.528	1.15	0.606
7	LTE Band 12(17)	--	QPSK10M	Right Cheek	23060	1	25	0	DSI-0	--	25.0	24.46	0.03	0.156	1.13	0.177
	LTE Band 12(17)	--	QPSK10M	Right Tilted	23060	1	25	0	DSI-0	--	25.0	24.46	0.09	0.0744	1.13	0.084
	LTE Band 12(17)	--	QPSK10M	Left Cheek	23060	1	25	0	DSI-0	--	25.0	24.46	0.03	0.137	1.13	0.155
	LTE Band 12(17)	--	QPSK10M	Left Tilted	23060	1	25	0	DSI-0	--	25.0	24.46	0.04	0.0657	1.13	0.074
	LTE Band 12(17)	--	QPSK10M	Right Cheek	23060	25	0	0	DSI-0	--	24.0	23.38	0.02	0.115	1.15	0.133
	LTE Band 12(17)	--	QPSK10M	Right Tilted	23060	25	0	0	DSI-0	--	24.0	23.38	0.07	0.0548	1.15	0.063
	LTE Band 12(17)	--	QPSK10M	Left Cheek	23060	25	0	0	DSI-0	--	24.0	23.38	0.03	0.101	1.15	0.116
	LTE Band 12(17)	--	QPSK10M	Left Tilted	23060	25	0	0	DSI-0	--	24.0	23.38	0.05	0.0484	1.15	0.056
8	LTE Band 13	--	QPSK10M	Right Cheek	23230	1	25	0	DSI-0	--	25.0	24.34	0.12	0.199	1.16	0.232
	LTE Band 13	--	QPSK10M	Right Tilted	23230	1	25	0	DSI-0	--	25.0	24.34	0.04	0.0779	1.16	0.091
	LTE Band 13	--	QPSK10M	Left Cheek	23230	1	25	0	DSI-0	--	25.0	24.34	0.06	0.171	1.16	0.199
	LTE Band 13	--	QPSK10M	Left Tilted	23230	1	25	0	DSI-0	--	25.0	24.34	0.00	0.0838	1.16	0.098
	LTE Band 13	--	QPSK10M	Right Cheek	23230	25	25	0	DSI-0	--	24.0	23.27	0.14	0.153	1.18	0.181
	LTE Band 13	--	QPSK10M	Right Tilted	23230	25	25	0	DSI-0	--	24.0	23.27	0.08	0.0598	1.18	0.071
	LTE Band 13	--	QPSK10M	Left Cheek	23230	25	25	0	DSI-0	--	24.0	23.27	-0.10	0.132	1.18	0.156
	LTE Band 13	--	QPSK10M	Left Tilted	23230	25	25	0	DSI-0	--	24.0	23.27	0.05	0.0644	1.18	0.076
	LTE Band 25(2)	--	QPSK20M	Right Cheek	26140	1	99	1	DSI-0	--	25.0	24.58	0.14	0.208	1.10	0.229
	LTE Band 25(2)	--	QPSK20M	Right Tilted	26140	1	99	1	DSI-0	--	25.0	24.58	0.08	0.133	1.10	0.147
	LTE Band 25(2)	--	QPSK20M	Left Cheek	26140	1	99	1	DSI-0	--	25.0	24.58	-0.07	0.292	1.10	0.322
	LTE Band 25(2)	--	QPSK20M	Left Tilted	26140	1	99	1	DSI-0	--	25.0	24.58	-0.04	0.142	1.10	0.156
	LTE Band 25(2)	--	QPSK20M	Right Cheek	26140	50	50	1	DSI-0	--	24.0	23.64	0.06	0.167	1.09	0.181
	LTE Band 25(2)	--	QPSK20M	Right Tilted	26140	50	50	1	DSI-0	--	24.0	23.64	0.05	0.108	1.09	0.117
	LTE Band 25(2)	--	QPSK20M	Left Cheek	26140	50	50	1	DSI-0	--	24.0	23.64	0.16	0.235	1.09	0.255
	LTE Band 25(2)	--	QPSK20M	Left Tilted	26140	50	50	1	DSI-0	--	24.0	23.64	-0.05	0.114	1.09	0.124
	LTE Band 25(2)	--	QPSK20M	Right Cheek	26365	1	49	4	DSI-1	--	18.2	17.93	0.17	0.72	1.06	0.766
9	LTE Band 25(2)	--	QPSK20M	Right Tilted	26365	1	49	4	DSI-1	--	18.2	17.93	0.09	0.73	1.06	0.777
	LTE Band 25(2)	--	QPSK20M	Left Cheek	26365	1	49	4	DSI-1	--	18.2	17.93	-0.10	0.283	1.06	0.301
	LTE Band 25(2)	--	QPSK20M	Left Tilted	26365	1	49	4	DSI-1	--	18.2	17.93	-0.10	0.422	1.06	0.449
	LTE Band 25(2)	--	QPSK20M	Right Cheek	26365	50	0	4	DSI-1	--	17.5	16.79	0.05	0.517	1.18	0.609
	LTE Band 25(2)	--	QPSK20M	Right Tilted	26365	50	0	4	DSI-1	--	17.5	16.79	0.04	0.524	1.18	0.617
	LTE Band 25(2)	--	QPSK20M	Left Cheek	26365	50	0	4	DSI-1	--	17.5	16.79	0.03	0.204	1.18	0.240
	LTE Band 25(2)	--	QPSK20M	Left Tilted	26365	50	0	4	DSI-1	--	17.5	16.79	-0.06	0.303	1.18	0.357

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
10	LTE Band 26(5)	--	QPSK15M	Right Cheek	26865	1	38	0	DSI-0	--	25.0	24.32	0.02	0.232	1.17	0.271
	LTE Band 26(5)	--	QPSK15M	Right Tilted	26865	1	38	0	DSI-0	--	25.0	24.32	-0.06	0.0908	1.17	0.106
	LTE Band 26(5)	--	QPSK15M	Left Cheek	26865	1	38	0	DSI-0	--	25.0	24.32	0.04	0.204	1.17	0.239
	LTE Band 26(5)	--	QPSK15M	Left Tilted	26865	1	38	0	DSI-0	--	25.0	24.32	0.08	0.0978	1.17	0.114
	LTE Band 26(5)	--	QPSK15M	Right Cheek	26865	38	0	0	DSI-0	--	24.0	23.26	0.02	0.167	1.19	0.198
	LTE Band 26(5)	--	QPSK15M	Right Tilted	26865	38	0	0	DSI-0	--	24.0	23.26	0.08	0.0604	1.19	0.072
	LTE Band 26(5)	--	QPSK15M	Left Cheek	26865	38	0	0	DSI-0	--	24.0	23.26	0.04	0.146	1.19	0.173
	LTE Band 26(5)	--	QPSK15M	Left Tilted	26865	38	0	0	DSI-0	--	24.0	23.26	-0.11	0.0703	1.19	0.083
11	LTE Band 30	--	QPSK10M	Right Cheek	27710	1	0	0	DSI-0	--	24.5	23.84	0.06	0.0562	1.16	0.065
	LTE Band 30	--	QPSK10M	Right Tilted	27710	1	0	0	DSI-0	--	24.5	23.84	-0.04	0.0405	1.16	0.047
	LTE Band 30	--	QPSK10M	Left Cheek	27710	1	0	0	DSI-0	--	24.5	23.84	0.08	0.0401	1.16	0.047
	LTE Band 30	--	QPSK10M	Left Tilted	27710	1	0	0	DSI-0	--	24.5	23.84	0.04	0.0306	1.16	0.036
	LTE Band 30	--	QPSK10M	Right Cheek	27710	25	12	0	DSI-0	--	20.5	20.23	0.08	0.0483	1.06	0.051
	LTE Band 30	--	QPSK10M	Right Tilted	27710	25	12	0	DSI-0	--	20.5	20.23	0.02	0.0348	1.06	0.037
	LTE Band 30	--	QPSK10M	Left Cheek	27710	25	12	0	DSI-0	--	20.5	20.23	-0.07	0.0344	1.06	0.037
	LTE Band 30	--	QPSK10M	Left Tilted	27710	25	12	0	DSI-0	--	20.5	20.23	0.05	0.0262	1.06	0.028
	LTE Band 41(38)	--	QPSK20M	Right Cheek	39750	1	99	4	DSI-1	--	19.5	19.11	-0.08	0.565	1.09	0.618
	LTE Band 41(38)	--	QPSK20M	Right Tilted	39750	1	99	4	DSI-1	--	19.5	19.11	0.01	0.716	1.09	0.783
	LTE Band 41(38)	--	QPSK20M	Left Cheek	39750	1	99	4	DSI-1	--	19.5	19.11	0.08	0.596	1.09	0.652
	LTE Band 41(38)	--	QPSK20M	Left Tilted	39750	1	99	4	DSI-1	--	19.5	19.11	0.05	0.721	1.09	0.789
	LTE Band 41(38)	--	QPSK20M	Left Tilted	40620	1	99	4	DSI-1	--	19.5	18.98	-0.06	0.751	1.13	0.847
12	LTE Band 41(38)	--	QPSK20M	Left Tilted	41490	1	99	4	DSI-1	--	19.5	19.02	0.04	0.78	1.12	0.871
	LTE Band 41(38)	--	QPSK20M	Right Cheek	39750	50	50	4	DSI-1	--	18.5	18.04	0.08	0.464	1.11	0.516
	LTE Band 41(38)	--	QPSK20M	Right Tilted	39750	50	50	4	DSI-1	--	18.5	18.04	0.06	0.588	1.11	0.654
	LTE Band 41(38)	--	QPSK20M	Left Cheek	39750	50	50	4	DSI-1	--	18.5	18.04	0.04	0.491	1.11	0.546
	LTE Band 41(38)	--	QPSK20M	Left Tilted	39750	50	50	4	DSI-1	--	18.5	18.04	-0.17	0.593	1.11	0.659
	LTE Band 41(38)	--	QPSK20M	Right Cheek	39750	1	99	0	DSI-0	--	24.0	23.75	0.08	0.048	1.06	0.051
	LTE Band 41(38)	--	QPSK20M	Right Tilted	39750	1	99	0	DSI-0	--	24.0	23.75	-0.04	0.023	1.06	0.024
	LTE Band 41(38)	--	QPSK20M	Left Cheek	39750	1	99	0	DSI-0	--	24.0	23.75	0.06	0.06	1.06	0.064
	LTE Band 41(38)	--	QPSK20M	Left Tilted	39750	1	99	0	DSI-0	--	24.0	23.75	0.05	0.043	1.06	0.046
	LTE Band 41(38)	--	QPSK20M	Right Cheek	39750	50	50	0	DSI-0	--	23.0	22.63	0.08	0.0396	1.09	0.043
	LTE Band 41(38)	--	QPSK20M	Right Tilted	39750	50	50	0	DSI-0	--	23.0	22.63	-0.06	0.0189	1.09	0.021
	LTE Band 41(38)	--	QPSK20M	Left Cheek	39750	50	50	0	DSI-0	--	23.0	22.63	0.04	0.0496	1.09	0.054
	LTE Band 41(38)	--	QPSK20M	Left Tilted	39750	50	50	0	DSI-0	--	23.0	22.63	0.07	0.0354	1.09	0.039
	LTE Band 42	--	QPSK20M	Right Cheek	42590	1	99	3	DSI-1	--	20.0	19.73	0.03	0.924	1.06	0.983
	LTE Band 42	--	QPSK20M	Right Tilted	42590	1	99	3	DSI-1	--	20.0	19.73	-0.12	0.411	1.06	0.437

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 42	--	QPSK20M	Left Cheek	42590	1	99	3	DSI-1	--	20.0	19.73	-0.03	0.251	1.06	0.267
	LTE Band 42	--	QPSK20M	Left Tilted	42590	1	99	3	DSI-1	--	20.0	19.73	0.05	0.239	1.06	0.254
	LTE Band 42	--	QPSK20M	Right Cheek	42190	1	99	3	DSI-1	--	20.0	19.47	-0.06	0.919	1.13	1.038
13	LTE Band 42	--	QPSK20M	Right Cheek	42990	1	99	3	DSI-1	--	20.0	19.46	-0.09	0.928	1.13	1.051
*	LTE Band 42	--	QPSK20M	Right Cheek	42990	1	99	3	DSI-1	--	20.0	19.46	0.08	0.912	1.13	1.033
	LTE Band 42	--	QPSK20M	Right Cheek	42590	50	25	3	DSI-1	--	19.0	18.85	-0.07	0.699	1.04	0.724
	LTE Band 42	--	QPSK20M	Right Tilted	42590	50	25	3	DSI-1	--	19.0	18.85	0.02	0.344	1.04	0.356
	LTE Band 42	--	QPSK20M	Left Cheek	42590	50	25	3	DSI-1	--	19.0	18.85	0.05	0.21	1.04	0.217
	LTE Band 42	--	QPSK20M	Left Tilted	42590	50	25	3	DSI-1	--	19.0	18.85	0.04	0.203	1.04	0.210
14	LTE Band 43	--	QPSK20M	Right Cheek	45490	1	99	3	DSI-1	--	19.5	19.23	-0.06	0.763	1.06	0.812
	LTE Band 43	--	QPSK20M	Right Tilted	45490	1	99	3	DSI-1	--	19.5	19.23	0.08	0.348	1.06	0.370
	LTE Band 43	--	QPSK20M	Left Cheek	45490	1	99	3	DSI-1	--	19.5	19.23	0.01	0.216	1.06	0.230
	LTE Band 43	--	QPSK20M	Left Tilted	45490	1	99	3	DSI-1	--	19.5	19.23	0.09	0.172	1.06	0.183
	LTE Band 43	--	QPSK20M	Right Cheek	44690	1	99	3	DSI-1	--	19.5	19.01	0.08	0.712	1.12	0.797
	LTE Band 43	--	QPSK20M	Right Cheek	45090	1	99	3	DSI-1	--	19.5	19.05	0.01	0.721	1.11	0.800
	LTE Band 43	--	QPSK20M	Right Cheek	45490	50	25	3	DSI-1	--	18.5	18.16	-0.02	0.61	1.08	0.660
	LTE Band 43	--	QPSK20M	Right Tilted	45490	50	25	3	DSI-1	--	18.5	18.16	0.01	0.278	1.08	0.301
	LTE Band 43	--	QPSK20M	Left Cheek	45490	50	25	3	DSI-1	--	18.5	18.16	0.05	0.173	1.08	0.187
	LTE Band 43	--	QPSK20M	Left Tilted	45490	50	25	3	DSI-1	--	18.5	18.16	-0.08	0.137	1.08	0.148
15	LTE Band 48	--	QPSK20M	Right Cheek	56640	1	99	3	DSI-1	--	20.0	19.66	0.13	0.776	1.08	0.839
	LTE Band 48	--	QPSK20M	Right Tilted	56640	1	99	3	DSI-1	--	20.0	19.66	-0.02	0.354	1.08	0.383
	LTE Band 48	--	QPSK20M	Left Cheek	56640	1	99	3	DSI-1	--	20.0	19.66	0.05	0.219	1.08	0.237
	LTE Band 48	--	QPSK20M	Left Tilted	56640	1	99	3	DSI-1	--	20.0	19.66	0.01	0.174	1.08	0.188
	LTE Band 48	--	QPSK20M	Right Cheek	55340	1	99	3	DSI-1	--	20.0	19.49	0.10	0.693	1.12	0.779
	LTE Band 48	--	QPSK20M	Right Cheek	55773	1	99	3	DSI-1	--	20.0	19.56	0.01	0.712	1.11	0.788
	LTE Band 48	--	QPSK20M	Right Cheek	56207	1	99	3	DSI-1	--	20.0	19.53	0.05	0.735	1.11	0.819
	LTE Band 48	--	QPSK20M	Right Cheek	56640	50	25	3	DSI-1	--	19.5	18.80	0.07	0.62	1.17	0.728
	LTE Band 48	--	QPSK20M	Right Tilted	56640	50	25	3	DSI-1	--	19.5	18.80	-0.06	0.283	1.17	0.332
	LTE Band 48	--	QPSK20M	Left Cheek	56640	50	25	3	DSI-1	--	19.5	18.80	0.08	0.175	1.17	0.206
	LTE Band 48	--	QPSK20M	Left Tilted	56640	50	25	3	DSI-1	--	19.5	18.80	-0.06	0.139	1.17	0.163
	LTE Band 66(4)	--	QPSK20M	Right Cheek	132072	1	0	1	DSI-0	--	24.5	23.98	0.04	0.199	1.13	0.224
	LTE Band 66(4)	--	QPSK20M	Right Tilted	132072	1	0	1	DSI-0	--	24.5	23.98	-0.03	0.128	1.13	0.144
	LTE Band 66(4)	--	QPSK20M	Left Cheek	132072	1	0	1	DSI-0	--	24.5	23.98	0.05	0.28	1.13	0.316
	LTE Band 66(4)	--	QPSK20M	Left Tilted	132072	1	0	1	DSI-0	--	24.5	23.98	0.08	0.136	1.13	0.153
	LTE Band 66(4)	--	QPSK20M	Right Cheek	132072	50	0	1	DSI-0	--	23.5	22.84	0.09	0.183	1.16	0.213
	LTE Band 66(4)	--	QPSK20M	Right Tilted	132072	50	0	1	DSI-0	--	23.5	22.84	0.08	0.118	1.16	0.137

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
16	LTE Band 66(4)	--	QPSK20M	Left Cheek	132072	50	0	1	DSI-0	--	23.5	22.84	-0.07	0.257	1.16	0.299
	LTE Band 66(4)	--	QPSK20M	Left Tilted	132072	50	0	1	DSI-0	--	23.5	22.84	0.12	0.126	1.16	0.147
	LTE Band 66(4)	--	QPSK20M	Right Cheek	132072	1	99	4	DSI-1	--	23.0	22.58	0.04	0.338	1.10	0.372
	LTE Band 66(4)	--	QPSK20M	Right Tilted	132072	1	99	4	DSI-1	--	23.0	22.58	0.06	0.273	1.10	0.301
	LTE Band 66(4)	--	QPSK20M	Left Cheek	132072	1	99	4	DSI-1	--	23.0	22.58	-0.01	0.158	1.10	0.174
	LTE Band 66(4)	--	QPSK20M	Left Tilted	132072	1	99	4	DSI-1	--	23.0	22.58	0.02	0.163	1.10	0.180
	LTE Band 66(4)	--	QPSK20M	Right Cheek	132072	50	0	4	DSI-1	--	22.0	21.43	0.02	0.316	1.14	0.360
	LTE Band 66(4)	--	QPSK20M	Right Tilted	132072	50	0	4	DSI-1	--	22.0	21.43	-0.06	0.255	1.14	0.291
	LTE Band 66(4)	--	QPSK20M	Left Cheek	132072	50	0	4	DSI-1	--	22.0	21.43	0.04	0.148	1.14	0.169
	LTE Band 66(4)	--	QPSK20M	Left Tilted	132072	50	0	4	DSI-1	--	22.0	21.43	0.03	0.152	1.14	0.173
17	LTE Band 71	--	QPSK20M	Right Cheek	133222	1	99	0	DSI-0	--	25.0	24.61	0.07	0.184	1.09	0.201
	LTE Band 71	--	QPSK20M	Right Tilted	133222	1	99	0	DSI-0	--	25.0	24.61	0.05	0.0841	1.09	0.092
	LTE Band 71	--	QPSK20M	Left Cheek	133222	1	99	0	DSI-0	--	25.0	24.61	-0.04	0.162	1.09	0.177
	LTE Band 71	--	QPSK20M	Left Tilted	133222	1	99	0	DSI-0	--	25.0	24.61	0.09	0.0776	1.09	0.085
	LTE Band 71	--	QPSK20M	Right Cheek	133322	50	0	0	DSI-0	--	24.0	23.54	0.03	0.174	1.11	0.193
	LTE Band 71	--	QPSK20M	Right Tilted	133322	50	0	0	DSI-0	--	24.0	23.54	0.01	0.0799	1.11	0.089
	LTE Band 71	--	QPSK20M	Left Cheek	133322	50	0	0	DSI-0	--	24.0	23.54	0.06	0.153	1.11	0.170
	LTE Band 71	--	QPSK20M	Left Tilted	133322	50	0	0	DSI-0	--	24.0	23.54	0.07	0.0738	1.11	0.082
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Cheek	512000	1	Right	0	DSI-0	--	24.0	23.19	-0.07	0.0353	1.21	0.043
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Tilted	512000	1	Right	0	DSI-0	--	24.0	23.19	0.14	0.0184	1.21	0.022
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Cheek	512000	1	Right	0	DSI-0	--	24.0	23.19	-0.09	0.0541	1.21	0.065
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Tilted	512000	1	Right	0	DSI-0	--	24.0	23.19	0.04	0.0254	1.21	0.031
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Cheek	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.00	0.109	1.17	0.127
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Tilted	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.01	0.053	1.17	0.062
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Cheek	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.06	0.136	1.17	0.159
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Tilted	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.06	0.097	1.17	0.113
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Cheek	512000	1	Right	4	DSI-1	--	17.0	16.48	0.04	0.193	1.13	0.218
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Tilted	512000	1	Right	4	DSI-1	--	17.0	16.48	-0.07	0.208	1.13	0.234
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Cheek	512000	1	Right	4	DSI-1	--	17.0	16.48	0.02	0.2	1.13	0.225
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Tilted	512000	1	Right	4	DSI-1	--	17.0	16.48	-0.09	0.199	1.13	0.224
18	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Cheek	512000	Innter-Full	Mid	4	DSI-1	--	17.0	16.76	0.01	0.589	1.06	0.622
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Tilted	512000	Innter-Full	Mid	4	DSI-1	--	17.0	16.76	0.08	0.675	1.06	0.713
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Cheek	512000	Innter-Full	Mid	4	DSI-1	--	17.0	16.76	0.06	0.616	1.06	0.651
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Tilted	512000	Innter-Full	Mid	4	DSI-1	--	17.0	16.59	-0.04	0.652	1.10	0.717
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Tilted	512000	Innter-Full	Mid	4	DSI-1	--	17.0	16.73	0.02	0.675	1.06	0.718

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Right Cheek	141300	1	Left	1	DSI-0	--	24.5	24.11	0.03	0.0692	1.09	0.076
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Right Tilted	141300	1	Left	1	DSI-0	--	24.5	24.11	0.07	0.033	1.09	0.036
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Left Cheek	141300	1	Left	1	DSI-0	--	24.5	24.11	0.03	0.0609	1.09	0.067
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Left Tilted	141300	1	Left	1	DSI-0	--	24.5	24.11	-0.06	0.0237	1.09	0.026
19	5G NR n12	15	DFT-s-OFDM_QPSK15M	Right Cheek	141700	Innter-Full	Mid	1	DSI-0	--	24.5	24.23	0.03	0.151	1.06	0.161
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Right Tilted	141700	Innter-Full	Mid	1	DSI-0	--	24.5	24.23	0.06	0.0721	1.06	0.077
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Left Cheek	141700	Innter-Full	Mid	1	DSI-0	--	24.5	24.23	-0.05	0.144	1.06	0.153
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Left Tilted	141700	Innter-Full	Mid	1	DSI-0	--	24.5	24.23	0.01	0.0636	1.06	0.068
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Cheek	372000	1	Right	1	DSI-0	--	24.5	23.98	0.02	0.16	1.13	0.180
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Tilted	372000	1	Right	1	DSI-0	--	24.5	23.98	0.05	0.0635	1.13	0.072
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Cheek	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.11	0.24	1.13	0.271
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Tilted	372000	1	Right	1	DSI-0	--	24.5	23.98	0.00	0.076	1.13	0.086
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Cheek	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	-0.04	0.186	1.08	0.202
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Tilted	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.05	0.119	1.08	0.129
20	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Cheek	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.09	0.262	1.08	0.284
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Tilted	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.02	0.127	1.08	0.138
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Cheek	372000	1	Right	4	DSI-1	--	19.5	18.70	0.09	0.184	1.20	0.221
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Tilted	372000	1	Right	4	DSI-1	--	19.5	18.70	0.16	0.193	1.20	0.232
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Cheek	372000	1	Right	4	DSI-1	--	19.5	18.70	-0.03	0.0918	1.20	0.110
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Tilted	372000	1	Right	4	DSI-1	--	19.5	18.70	0.05	0.119	1.20	0.143
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Cheek	372000	Innter-Full	Mid	4	DSI-1	--	19.5	18.92	0.04	0.204	1.14	0.233
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Tilted	372000	Innter-Full	Mid	4	DSI-1	--	19.5	18.92	-0.16	0.203	1.14	0.232
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Cheek	372000	Innter-Full	Mid	4	DSI-1	--	19.5	18.92	0.05	0.0802	1.14	0.092
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Tilted	372000	Innter-Full	Mid	4	DSI-1	--	19.5	18.92	0.07	0.119	1.14	0.136
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Right Cheek	167800	1	Right	1	DSI-0	--	24.5	24.00	0.12	0.115	1.12	0.129
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Right Tilted	167800	1	Right	1	DSI-0	--	24.5	24.00	0.08	0.0461	1.12	0.052
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Left Cheek	167800	1	Right	1	DSI-0	--	24.5	24.00	0.13	0.0888	1.12	0.100
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Left Tilted	167800	1	Right	1	DSI-0	--	24.5	24.00	-0.08	0.0498	1.12	0.056
21	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Right Cheek	166800	Innter-Full	Mid	1	DSI-0	--	24.5	24.18	0.04	0.222	1.08	0.239
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Right Tilted	166800	Innter-Full	Mid	1	DSI-0	--	24.5	24.18	0.09	0.0868	1.08	0.093
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Left Cheek	166800	Innter-Full	Mid	1	DSI-0	--	24.5	24.18	-0.15	0.196	1.08	0.211
	5G NR n26(5)	15	DFT-s-OFDM_QPSK20M	Left Tilted	166800	Innter-Full	Mid	1	DSI-0	--	24.5	24.18	0.07	0.0936	1.08	0.101
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Right Cheek	522000	1	Right	0	DSI-0	--	24.0	23.18	0.04	0.099	1.21	0.120
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Right Tilted	522000	1	Right	0	DSI-0	--	24.0	23.18	-0.01	0.051	1.21	0.062
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Left Cheek	522000	1	Right	0	DSI-0	--	24.0	23.18	-0.02	0.124	1.21	0.150
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Left Tilted	522000	1	Right	0	DSI-0	--	24.0	23.18	0.07	0.098	1.21	0.118

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Right Cheek	516000	Innter-Full	Mid	0	DSI-0	--	24.5	23.76	-0.04	0.11	1.19	0.130
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Right Tilted	516000	Innter-Full	Mid	0	DSI-0	--	24.5	23.76	0.02	0.054	1.19	0.064
22	5G NR n38	30	DFT-s-OFDM_QPSK20M	Left Cheek	516000	Innter-Full	Mid	0	DSI-0	--	24.5	23.76	0.06	0.137	1.19	0.162
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Left Tilted	516000	Innter-Full	Mid	0	DSI-0	--	24.5	23.76	0.06	0.098	1.19	0.116
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Right Cheek	509202	1	Right	4	DSI-1	--	20.5	19.53	0.07	0.44	1.25	0.550
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Right Tilted	509202	1	Right	4	DSI-1	--	20.5	19.53	0.06	0.508	1.25	0.635
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Left Cheek	509202	1	Right	4	DSI-1	--	20.5	19.53	0.00	0.34	1.25	0.425
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Left Tilted	509202	1	Right	4	DSI-1	--	20.5	19.53	-0.08	0.43	1.25	0.538
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	Innter-Full	Mid	4	DSI-1	--	20.5	19.97	0.08	0.487	1.13	0.550
23	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	Innter-Full	Mid	4	DSI-1	--	20.5	19.97	0.15	0.616	1.13	0.696
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	Innter-Full	Mid	4	DSI-1	--	20.5	19.97	-0.05	0.282	1.13	0.319
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	Innter-Full	Mid	4	DSI-1	--	20.5	19.97	-0.06	0.447	1.13	0.505
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	1	Left	0	DSI-0	--	22.5	21.71	-0.03	0.0105	1.20	0.013
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	1	Left	0	DSI-0	--	22.5	21.71	0.06	0.00373	1.20	0.004
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	1	Left	0	DSI-0	--	22.5	21.71	0.03	0.0144	1.20	0.017
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	1	Left	0	DSI-0	--	22.5	21.71	0.08	0.00531	1.20	0.006
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.02	0.00429	1.10	0.005
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.08	0.00206	1.10	0.002
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.01	0.00537	1.10	0.006
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.09	0.00385	1.10	0.004
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	1	Right	2	DSI-0	--	22.5	21.76	0.07	0.1	1.19	0.119
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	1	Right	2	DSI-0	--	22.5	21.76	0.04	0.0368	1.19	0.044
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	1	Right	2	DSI-0	--	22.5	21.76	0.09	0.0351	1.19	0.042
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	1	Right	2	DSI-0	--	22.5	21.76	0.01	0.0268	1.19	0.032
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.01	0.083	1.11	0.092
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.06	0.032	1.11	0.035
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.05	0.051	1.11	0.057
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.04	0.017	1.11	0.019
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	1	Right	6	DSI-0	--	21.5	20.62	0.02	0.029	1.22	0.036
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	1	Right	6	DSI-0	--	21.5	20.62	-0.06	0.0182	1.22	0.022
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	1	Right	6	DSI-0	--	21.5	20.62	0.04	0.0788	1.22	0.096
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	1	Right	6	DSI-0	--	21.5	20.62	0.03	0.0485	1.22	0.059
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Cheek	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	-0.08	0.027	1.16	0.031
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Tilted	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.04	0.023	1.16	0.027
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Cheek	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.09	0.067	1.16	0.077
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Tilted	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.02	0.047	1.16	0.054

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Cheek	346000	1	Left	1	DSI-0	--	25.0	23.45	0.08	0.0816	1.43	0.117
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Tilted	346000	1	Left	1	DSI-0	--	25.0	23.45	0.02	0.0526	1.43	0.075
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Cheek	346000	1	Left	1	DSI-0	--	25.0	23.45	0.02	0.156	1.43	0.223
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Tilted	346000	1	Left	1	DSI-0	--	25.0	23.45	0.04	0.0617	1.43	0.088
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Cheek	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.03	0.298	1.12	0.333
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Tilted	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	-0.04	0.192	1.12	0.214
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Cheek	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.09	0.445	1.12	0.497
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Tilted	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.01	0.216	1.12	0.241
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Cheek	349000	1	Left	4	DSI-1	--	24.0	23.13	0.09	0.258	1.22	0.315
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Tilted	349000	1	Left	4	DSI-1	--	24.0	23.13	-0.01	0.232	1.22	0.283
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Cheek	349000	1	Left	4	DSI-1	--	24.0	23.13	0.06	0.0982	1.22	0.120
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Tilted	349000	1	Left	4	DSI-1	--	24.0	23.13	0.02	0.114	1.22	0.139
24	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Cheek	349000	Innter-Full	Mid	4	DSI-1	--	24.0	23.39	-0.18	0.543	1.15	0.625
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Tilted	349000	Innter-Full	Mid	4	DSI-1	--	24.0	23.39	0.17	0.532	1.15	0.612
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Cheek	349000	Innter-Full	Mid	4	DSI-1	--	24.0	23.39	-0.10	0.273	1.15	0.314
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Tilted	349000	Innter-Full	Mid	4	DSI-1	--	24.0	23.39	0.08	0.281	1.15	0.323
25	5G NR n71	15	DFT-s-OFDM_QPSK20M	Right Cheek	134600	1	Right	1	DSI-0	--	25.0	24.25	0.05	0.193	1.19	0.229
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Right Tilted	134600	1	Right	1	DSI-0	--	25.0	24.25	0.06	0.0833	1.19	0.099
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Left Cheek	134600	1	Right	1	DSI-0	--	25.0	24.25	-0.11	0.0689	1.19	0.082
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Left Tilted	134600	1	Right	1	DSI-0	--	25.0	24.25	0.03	0.0305	1.19	0.036
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Right Cheek	136100	Innter-Full	Mid	1	DSI-0	--	25.0	24.38	0.19	0.184	1.15	0.212
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Right Tilted	136100	Innter-Full	Mid	1	DSI-0	--	25.0	24.38	0.05	0.0838	1.15	0.097
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Left Cheek	136100	Innter-Full	Mid	1	DSI-0	--	25.0	24.38	0.03	0.164	1.15	0.189
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Left Tilted	136100	Innter-Full	Mid	1	DSI-0	--	25.0	24.38	-0.08	0.0761	1.15	0.088
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	1	Right	1	DSI-0	--	20.5	20.07	-0.08	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	1	Right	1	DSI-0	--	20.5	20.07	0.01	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	1	Right	1	DSI-0	--	20.5	20.07	0.06	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	1	Right	1	DSI-0	--	20.5	20.07	0.04	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	Innter_Full	Mid	1	DSI-0	--	20.5	20.10	0.04	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	Innter_Full	Mid	1	DSI-0	--	20.5	20.10	-0.06	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	Innter_Full	Mid	1	DSI-0	--	20.5	20.10	0.01	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	Innter_Full	Mid	1	DSI-0	--	20.5	20.10	0.10	<0.01	1.10	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	1	Right	2	DSI-0	--	20.0	19.04	-0.09	0.00734	1.25	0.009
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	1	Right	2	DSI-0	--	20.0	19.04	0.01	0.00882	1.25	0.011
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	1	Right	2	DSI-0	--	20.0	19.04	0.04	0.026	1.25	0.032
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	1	Right	2	DSI-0	--	20.0	19.04	-0.15	0.029	1.25	0.036

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	Innter_Full	Mid	2	DSI-0	--	20.0	19.60	0.02	0.00771	1.10	0.008
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	Innter_Full	Mid	2	DSI-0	--	20.0	19.60	0.06	0.00926	1.10	0.010
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	Innter_Full	Mid	2	DSI-0	--	20.0	19.60	-0.04	0.027	1.10	0.030
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	Innter_Full	Mid	2	DSI-0	--	20.0	19.60	0.08	0.03	1.10	0.033
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	1	Right	3	DSI-1	--	18.0	17.56	0.06	0.625	1.11	0.692
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	1	Right	3	DSI-1	--	18.0	17.56	0.07	0.277	1.11	0.307
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	1	Right	3	DSI-1	--	18.0	17.56	-0.06	0.169	1.11	0.187
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	1	Right	3	DSI-1	--	18.0	17.56	0.02	0.162	1.11	0.179
26	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	Innter_Full	Mid	3	DSI-1	--	18.0	17.59	0.02	0.638	1.10	0.701
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	Innter_Full	Mid	3	DSI-1	--	18.0	17.59	0.02	0.283	1.10	0.311
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	Innter_Full	Mid	3	DSI-1	--	18.0	17.59	-0.08	0.173	1.10	0.190
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	Innter_Full	Mid	3	DSI-1	--	18.0	17.59	0.01	0.165	1.10	0.181
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	1	Right	6	DSI-0	--	21.0	20.10	0.08	0.055	1.23	0.068
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	1	Right	6	DSI-0	--	21.0	20.10	0.03	0.029	1.23	0.036
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	1	Right	6	DSI-0	--	21.0	20.10	0.01	0.096	1.23	0.118
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	1	Right	6	DSI-0	--	21.0	20.10	0.08	0.057	1.23	0.070
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Cheek	633334	Innter_Full	Mid	6	DSI-0	--	21.0	20.25	-0.04	0.058	1.19	0.069
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Tilted	633334	Innter_Full	Mid	6	DSI-0	--	21.0	20.25	0.02	0.03	1.19	0.036
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Cheek	633334	Innter_Full	Mid	6	DSI-0	--	21.0	20.25	0.09	0.101	1.19	0.120
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Tilted	633334	Innter_Full	Mid	6	DSI-0	--	21.0	20.25	0.06	0.06	1.19	0.071
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	1	Right	1	DSI-0	--	20.5	19.86	0.02	<0.01	1.16	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	1	Right	1	DSI-0	--	20.5	19.86	0.01	<0.01	1.16	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	1	Right	1	DSI-0	--	20.5	19.86	-0.09	<0.01	1.16	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	1	Right	1	DSI-0	--	20.5	19.86	0.01	<0.01	1.16	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	Innter_Full	Mid	1	DSI-0	--	20.5	20.16	0.06	<0.01	1.08	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	Innter_Full	Mid	1	DSI-0	--	20.5	20.16	0.03	<0.01	1.08	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	Innter_Full	Mid	1	DSI-0	--	20.5	20.16	0.04	<0.01	1.08	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	Innter_Full	Mid	1	DSI-0	--	20.5	20.16	0.07	<0.01	1.08	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	1	Right	2	DSI-0	--	20.0	19.41	0.02	0.00834	1.15	0.010
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	1	Right	2	DSI-0	--	20.0	19.41	0.00	0.01	1.15	0.011
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	1	Right	2	DSI-0	--	20.0	19.41	0.11	0.029	1.15	0.033
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	1	Right	2	DSI-0	--	20.0	19.41	0.06	0.033	1.15	0.038
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	Innter_Full	Mid	2	DSI-0	--	20.0	19.86	0.09	0.00852	1.03	0.009
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	Innter_Full	Mid	2	DSI-0	--	20.0	19.86	0.08	0.0103	1.03	0.011
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	Innter_Full	Mid	2	DSI-0	--	20.0	19.86	0.01	0.0297	1.03	0.031
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	Innter_Full	Mid	2	DSI-0	--	20.0	19.86	-0.06	0.0337	1.03	0.035

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	1	Right	3	DSI-1	--	18.0	17.68	0.04	0.717	1.08	0.772
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	1	Right	3	DSI-1	--	18.0	17.68	0.07	0.327	1.08	0.352
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	1	Right	3	DSI-1	--	18.0	17.68	-0.14	0.199	1.08	0.214
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	1	Right	3	DSI-1	--	18.0	17.68	0.02	0.191	1.08	0.206
27	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	Innter_Full	Mid	3	DSI-1	--	18.0	17.74	0.07	0.752	1.06	0.798
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	Innter_Full	Mid	3	DSI-1	--	18.0	17.74	-0.08	0.334	1.06	0.355
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	Innter_Full	Mid	3	DSI-1	--	18.0	17.74	0.01	0.204	1.06	0.217
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	Innter_Full	Mid	3	DSI-1	--	18.0	17.74	0.06	0.195	1.06	0.207
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	1	Right	6	DSI-0	--	21.0	20.34	0.09	0.063	1.16	0.073
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	1	Right	6	DSI-0	--	21.0	20.34	0.01	0.033	1.16	0.038
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	1	Right	6	DSI-0	--	21.0	20.34	0.05	0.109	1.16	0.127
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	1	Right	6	DSI-0	--	21.0	20.34	0.00	0.065	1.16	0.076
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Cheek	650000	Innter_Full	Mid	6	DSI-0	--	21.0	20.46	0.00	0.0639	1.13	0.072
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Tilted	650000	Innter_Full	Mid	6	DSI-0	--	21.0	20.46	0.04	0.0337	1.13	0.038
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Cheek	650000	Innter_Full	Mid	6	DSI-0	--	21.0	20.46	0.08	0.112	1.13	0.127
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Tilted	650000	Innter_Full	Mid	6	DSI-0	--	21.0	20.46	0.06	0.066	1.13	0.075
	2.4GHz	--	802.11b	Right Cheek	11	--	--	5	DSI-0	100	18.5	18.05	-0.01	0.268	1.11	0.297
	2.4GHz	--	802.11b	Right Tilted	11	--	--	5	DSI-0	100	18.5	18.05	0.05	0.208	1.11	0.231
	2.4GHz	--	802.11b	Left Cheek	11	--	--	5	DSI-0	100	18.5	18.05	0.13	0.764	1.11	0.847
	2.4GHz	--	802.11b	Left Tilted	11	--	--	5	DSI-0	100	18.5	18.05	0.08	0.695	1.11	0.771
	2.4GHz	--	802.11b	Left Cheek	1	--	--	5	DSI-0	100	18.5	17.88	0.17	0.792	1.15	0.914
28	2.4GHz	--	802.11b	Left Cheek	6	--	--	5	DSI-0	100	18.5	17.95	0.03	0.998	1.14	1.133
*	2.4GHz	--	802.11b	Left Cheek	6	--	--	5	DSI-0	100	18.5	17.95	0.02	0.987	1.14	1.120
	2.4GHz	--	802.11b	Right Cheek	11	--	--	7	DSI-0	100	18.0	17.38	0.06	0.21	1.15	0.242
	2.4GHz	--	802.11b	Right Tilted	11	--	--	7	DSI-0	100	18.0	17.38	0.04	0.163	1.15	0.188
	2.4GHz	--	802.11b	Left Cheek	11	--	--	7	DSI-0	100	18.0	17.38	0.13	0.491	1.15	0.566
	2.4GHz	--	802.11b	Left Tilted	11	--	--	7	DSI-0	100	18.0	17.38	0.05	0.446	1.15	0.514
	2.4GHz	--	802.11n	Right Cheek	11	--	--	5+7	DSI-0	100	18.5	18.02	0.02	0.239	1.12	0.267
	2.4GHz	--	802.11n20	Right Tilted	11	--	--	5+7	DSI-0	100	18.5	18.02	-0.04	0.186	1.12	0.208
	2.4GHz	--	802.11n20	Left Cheek	11	--	--	5+7	DSI-0	100	18.5	18.02	-0.07	0.351	1.12	0.392
	2.4GHz	--	802.11n20	Left Tilted	11	--	--	5+7	DSI-0	100	18.5	18.02	0.03	0.339	1.12	0.379
	2.4GHz	--	802.11b	Right Cheek	11	--	--	5	DSI-2	100	12.5	11.92	0.09	0.112	1.14	0.128
	2.4GHz	--	802.11b	Right Tilted	11	--	--	5	DSI-2	100	12.5	11.92	0.02	0.0903	1.14	0.103
	2.4GHz	--	802.11b	Left Cheek	11	--	--	5	DSI-2	100	12.5	11.92	0.15	0.231	1.14	0.264
	2.4GHz	--	802.11b	Left Tilted	11	--	--	5	DSI-2	100	12.5	11.92	-0.05	0.202	1.14	0.231
	2.4GHz	--	802.11b	Right Cheek	11	--	--	7	DSI-2	100	12.0	11.63	0.17	0.0368	1.09	0.040

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	2.4GHz	--	802.11b	Right Tilted	11	--	--	7	DSI-2	100	12.0	11.63	0.06	0.0293	1.09	0.032
	2.4GHz	--	802.11b	Left Cheek	11	--	--	7	DSI-2	100	12.0	11.63	0.05	0.114	1.09	0.124
	2.4GHz	--	802.11b	Left Tilted	11	--	--	7	DSI-2	100	12.0	11.63	0.07	0.0478	1.09	0.052
	2.4GHz	--	802.11n20	Right Cheek	11	--	--	5+7	DSI-2	100	12.5	11.93	-0.09	0.0633	1.14	0.072
	2.4GHz	--	802.11n20	Right Tilted	11	--	--	5+7	DSI-2	100	12.5	11.93	0.03	0.0548	1.14	0.062
	2.4GHz	--	802.11n20	Left Cheek	11	--	--	5+7	DSI-2	100	12.5	11.93	0.06	0.11	1.14	0.125
	2.4GHz	--	802.11n20	Left Tilted	11	--	--	5+7	DSI-2	100	12.5	11.93	0.02	0.106	1.14	0.121
	2.4GHz	--	Bluetooth DH5	Right Cheek	39	--	--	5	DSI-0	76.8	9.0	8.50	0.12	0.184	1.12	0.224
	2.4GHz	--	Bluetooth DH5	Right Tilted	39	--	--	5	DSI-0	76.8	9.0	8.50	0.03	0.16	1.12	0.195
29	2.4GHz	--	Bluetooth DH5	Left Cheek	39	--	--	5	DSI-0	76.8	9.0	8.50	0.08	0.403	1.12	0.491
	2.4GHz	--	Bluetooth DH5	Left Tilted	39	--	--	5	DSI-0	76.8	9.0	8.50	0.05	0.381	1.12	0.464
	U-NII-1	--	802.11a	Right Cheek	48	--	--	5	DSI-1	100	16.0	15.48	0.03	0.655	1.13	0.738
	U-NII-1	--	802.11a	Right Tilted	48	--	--	5	DSI-1	100	16.0	15.48	0.01	0.709	1.13	0.799
	U-NII-1	--	802.11a	Left Cheek	48	--	--	5	DSI-1	100	16.0	15.48	0.00	0.651	1.13	0.734
30	U-NII-1	--	802.11a	Left Tilted	48	--	--	5	DSI-1	100	16.0	15.48	0.03	1.03	1.13	1.161
	U-NII-1	--	802.11a	Right Cheek	48	--	--	7	DSI-1	100	16.0	15.65	-0.02	0.038	1.08	0.041
	U-NII-1	--	802.11a	Right Tilted	48	--	--	7	DSI-1	100	16.0	15.65	0.09	0.017	1.08	0.018
	U-NII-1	--	802.11a	Left Cheek	48	--	--	7	DSI-1	100	16.0	15.65	0.04	0.077	1.08	0.083
	U-NII-1	--	802.11a	Left Tilted	40	--	--	5	DSI-1	100	16.0	15.17	0.02	0.912	1.21	1.104
*	U-NII-1	--	802.11a	Left Tilted	48	--	--	5	DSI-1	100	16.0	15.48	-0.06	0.997	1.13	1.124
	U-NII-2A	--	802.11a	Right Cheek	52	--	--	5	DSI-1	100	16.5	16.11	0.09	0.631	1.09	0.690
	U-NII-2A	--	802.11a	Right Tilted	52	--	--	5	DSI-1	100	16.5	16.11	-0.01	0.703	1.09	0.769
	U-NII-2A	--	802.11a	Left Cheek	52	--	--	5	DSI-1	100	16.5	16.11	0.04	0.752	1.09	0.823
31	U-NII-2A	--	802.11a	Left Tilted	52	--	--	5	DSI-1	100	16.5	16.11	-0.17	0.982	1.09	1.074
	U-NII-2A	--	802.11a	Right Cheek	52	--	--	7	DSI-1	100	16.5	15.98	0.02	0.091	1.13	0.103
	U-NII-2A	--	802.11a	Right Tilted	52	--	--	7	DSI-1	100	16.5	15.98	0.06	0.102	1.13	0.115
	U-NII-2A	--	802.11a	Left Cheek	52	--	--	7	DSI-1	100	16.5	15.98	0.09	0.112	1.13	0.126
	U-NII-2A	--	802.11a	Left Tilted	52	--	--	7	DSI-1	100	16.5	15.98	0.01	0.089	1.13	0.100
	U-NII-2A	--	802.11a	Left Cheek	64	--	--	5	DSI-1	100	16.5	15.82	0.08	0.632	1.17	0.739
	U-NII-2A	--	802.11a	Left Tilted	64	--	--	5	DSI-1	100	16.5	15.82	-0.09	0.825	1.17	0.965
*	U-NII-2A	--	802.11a	Left Tilted	52	--	--	5	DSI-1	100	16.5	16.11	-0.17	0.968	1.09	1.059
	U-NII-2C	--	802.11a	Right Cheek	100	--	--	5	DSI-1	100	15.5	14.91	0.03	0.684	1.15	0.784
	U-NII-2C	--	802.11a	Right Tilted	100	--	--	5	DSI-1	100	15.5	14.91	0.04	0.741	1.15	0.849
	U-NII-2C	--	802.11a	Left Cheek	100	--	--	5	DSI-1	100	15.5	14.91	0.09	0.577	1.15	0.661
	U-NII-2C	--	802.11a	Left Tilted	100	--	--	5	DSI-1	100	15.5	14.91	-0.04	0.754	1.15	0.864

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	U-NII-2C	--	802.11a	Right Cheek	120	--	--	7	DSI-1	100	17.5	16.81	0.05	0.109	1.17	0.128
	U-NII-2C	--	802.11a	Right Tilted	120	--	--	7	DSI-1	100	17.5	16.81	0.01	0.121	1.17	0.142
	U-NII-2C	--	802.11a	Left Cheek	120	--	--	7	DSI-1	100	17.5	16.81	-0.03	0.134	1.17	0.157
	U-NII-2C	--	802.11a	Left Tilted	120	--	--	7	DSI-1	100	17.5	16.81	0.06	0.107	1.17	0.125
	U-NII-2C	--	802.11a	Right Tilted	140	--	--	5	DSI-1	100	15.5	14.55	0.06	0.948	1.24	1.180
	U-NII-2C	--	802.11a	Left Tilted	120	--	--	5	DSI-1	100	15.5	14.55	0.06	0.862	1.24	1.073
32	U-NII-2C	--	802.11a	Left Tilted	140	--	--	5	DSI-1	100	15.5	14.55	-0.06	0.97	1.24	1.207
*	U-NII-2C	--	802.11a	Left Tilted	140	--	--	5	DSI-1	100	15.5	14.55	0.08	0.961	1.24	1.196
	U-NII-3	--	802.11a	Right Cheek	165	--	--	5	DSI-1	100	14.5	13.99	0.02	0.889	1.12	1.000
	U-NII-3	--	802.11a	Right Tilted	165	--	--	5	DSI-1	100	14.5	13.99	0.01	0.939	1.12	1.056
	U-NII-3	--	802.11a	Left Cheek	165	--	--	5	DSI-1	100	14.5	13.99	0.09	0.864	1.12	0.972
33	U-NII-3	--	802.11a	Left Tilted	165	--	--	5	DSI-1	100	14.5	13.99	-0.06	1.17	1.12	1.316
	U-NII-3	--	802.11a	Right Cheek	165	--	--	7	DSI-1	100	15.5	15.18	-0.06	0.076	1.08	0.082
	U-NII-3	--	802.11a	Right Tilted	165	--	--	7	DSI-1	100	15.5	15.18	0.01	0.085	1.08	0.091
	U-NII-3	--	802.11a	Left Cheek	165	--	--	7	DSI-1	100	15.5	15.18	-0.17	0.148	1.08	0.159
	U-NII-3	--	802.11a	Left Tilted	165	--	--	7	DSI-1	100	15.5	15.18	-0.11	0.11	1.08	0.118
	U-NII-3	--	802.11a	Right Cheek	157	--	--	5	DSI-1	100	14.5	13.66	0.02	0.764	1.21	0.927
	U-NII-3	--	802.11a	Right Tilted	157	--	--	5	DSI-1	100	14.5	13.66	0.04	0.807	1.21	0.979
	U-NII-3	--	802.11a	Left Cheek	157	--	--	5	DSI-1	100	14.5	13.66	-0.09	0.743	1.21	0.902
	U-NII-3	--	802.11a	Left Tilted	149	--	--	5	DSI-1	100	14.5	13.66	-0.01	0.959	1.21	1.164
	U-NII-3	--	802.11a	Left Tilted	157	--	--	5	DSI-1	100	14.5	13.66	0.09	1.01	1.21	1.226
*	U-NII-3	--	802.11a	Left Tilted	165	--	--	5	DSI-1	100	14.5	13.99	0.08	1.12	1.12	1.260
	U-NII-1	--	802.11a	Right Cheek	48	--	--	5	DSI-2	100	11.5	11.21	-0.01	0.177	1.07	0.189
	U-NII-1	--	802.11a	Right Tilted	48	--	--	5	DSI-2	100	11.5	11.21	0.06	0.192	1.07	0.205
	U-NII-1	--	802.11a	Left Cheek	48	--	--	5	DSI-2	100	11.5	11.21	0.09	0.176	1.07	0.188
34	U-NII-1	--	802.11a	Left Tilted	48	--	--	5	DSI-2	100	11.5	11.21	-0.03	0.278	1.07	0.297
	U-NII-1	--	802.11a	Right Cheek	48	--	--	7	DSI-2	100	11.5	10.92	-0.05	0.01	1.14	0.011
	U-NII-1	--	802.11a	Right Tilted	48	--	--	7	DSI-2	100	11.5	10.92	0.04	0.00454	1.14	0.005
	U-NII-1	--	802.11a	Left Cheek	48	--	--	7	DSI-2	100	11.5	10.92	0.00	0.035	1.14	0.040
	U-NII-1	--	802.11a	Left Tilted	48	--	--	7	DSI-2	100	11.5	10.92	-0.11	0.021	1.14	0.024
	U-NII-1	--	802.11n20	Right Cheek	48	--	--	5+7	DSI-2	100	11.5	10.24	0.06	0.071	1.34	0.095
	U-NII-1	--	802.11n20	Right Tilted	48	--	--	5+7	DSI-2	100	11.5	10.24	0.08	0.077	1.34	0.103
	U-NII-1	--	802.11n20	Left Cheek	48	--	--	5+7	DSI-2	100	11.5	10.24	-0.12	0.07	1.34	0.094
	U-NII-1	--	802.11n20	Left Tilted	48	--	--	5+7	DSI-2	100	11.5	10.24	0.06	0.111	1.34	0.148
	U-NII-2A	--	802.11a	Right Cheek	56	--	--	5	DSI-2	100	12.0	11.64	-0.01	0.153	1.09	0.166
	U-NII-2A	--	802.11a	Right Tilted	56	--	--	5	DSI-2	100	12.0	11.64	0.04	0.166	1.09	0.180

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS	Mode	Test Position	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
35	U-NII-2A	--	802.11a	Left Cheek	56	--	--	5	DSI-2	100	12.0	11.64	0.09	0.152	1.09	0.165
	U-NII-2A	--	802.11a	Left Tilted	56	--	--	5	DSI-2	100	12.0	11.64	-0.11	0.241	1.09	0.262
	U-NII-2A	--	802.11a	Right Cheek	52	--	--	7	DSI-2	100	12.5	11.91	0.09	0.00857	1.15	0.010
	U-NII-2A	--	802.11a	Right Tilted	52	--	--	7	DSI-2	100	12.5	11.91	-0.06	0.00389	1.15	0.004
	U-NII-2A	--	802.11a	Left Cheek	52	--	--	7	DSI-2	100	12.5	11.91	0.00	0.03	1.15	0.034
	U-NII-2A	--	802.11a	Left Tilted	52	--	--	7	DSI-2	100	12.5	11.91	0.01	0.018	1.15	0.021
	U-NII-2A	--	802.11n40	Right Cheek	54	--	--	5+7	DSI-2	100	11.5	10.96	-0.02	0.07	1.13	0.079
	U-NII-2A	--	802.11n40	Right Tilted	54	--	--	5+7	DSI-2	100	11.5	10.96	0.01	0.076	1.13	0.086
	U-NII-2A	--	802.11n40	Left Cheek	54	--	--	5+7	DSI-2	100	11.5	10.96	0.06	0.069	1.13	0.078
	U-NII-2A	--	802.11n40	Left Tilted	54	--	--	5+7	DSI-2	100	11.5	10.96	-0.03	0.091	1.13	0.103
36	U-NII-2C	--	802.11a	Right Cheek	140	--	--	5	DSI-2	100	11.5	11.03	-0.02	0.242	1.11	0.270
	U-NII-2C	--	802.11a	Right Tilted	140	--	--	5	DSI-2	100	11.5	11.03	0.00	0.262	1.11	0.292
	U-NII-2C	--	802.11a	Left Cheek	140	--	--	5	DSI-2	100	11.5	11.03	0.01	0.204	1.11	0.227
	U-NII-2C	--	802.11a	Left Tilted	140	--	--	5	DSI-2	100	11.5	11.03	-0.04	0.267	1.11	0.298
	U-NII-2C	--	802.11a	Right Cheek	120	--	--	7	DSI-2	100	13.5	12.95	-0.15	0.039	1.14	0.044
	U-NII-2C	--	802.11a	Right Tilted	120	--	--	7	DSI-2	100	13.5	12.95	0.06	0.044	1.14	0.050
	U-NII-2C	--	802.11a	Left Cheek	120	--	--	7	DSI-2	100	13.5	12.95	-0.09	0.049	1.14	0.056
	U-NII-2C	--	802.11a	Left Tilted	120	--	--	7	DSI-2	100	13.5	12.95	0.06	0.039	1.14	0.044
	U-NII-2C	--	802.11ax80	Right Cheek	106	--	--	5+7	DSI-2	100	9.5	9.21	0.05	0.062	1.07	0.066
	U-NII-2C	--	802.11ax80	Right Tilted	106	--	--	5+7	DSI-2	100	9.5	9.21	-0.06	0.067	1.07	0.072
	U-NII-2C	--	802.11ax80	Left Cheek	106	--	--	5+7	DSI-2	100	9.5	9.21	0.01	0.052	1.07	0.056
	U-NII-2C	--	802.11ax80	Left Tilted	106	--	--	5+7	DSI-2	100	9.5	9.21	0.09	0.068	1.07	0.073
	U-NII-3	--	802.11a	Right Cheek	165	--	--	5	DSI-2	100	11.5	11.19	0.02	0.222	1.07	0.238
	U-NII-3	--	802.11a	Right Tilted	165	--	--	5	DSI-2	100	11.5	11.19	0.01	0.234	1.07	0.251
37	U-NII-3	--	802.11a	Left Cheek	165	--	--	5	DSI-2	100	11.5	11.19	-0.08	0.215	1.07	0.231
	U-NII-3	--	802.11a	Left Tilted	165	--	--	5	DSI-2	100	11.5	11.19	-0.02	0.292	1.07	0.314
	U-NII-3	--	802.11a	Right Cheek	157	--	--	7	DSI-2	100	12.5	12.09	-0.06	0.047	1.10	0.052
	U-NII-3	--	802.11a	Right Tilted	157	--	--	7	DSI-2	100	12.5	12.09	0.01	0.053	1.10	0.058
	U-NII-3	--	802.11a	Left Cheek	157	--	--	7	DSI-2	100	12.5	12.09	0.16	0.091	1.10	0.100
	U-NII-3	--	802.11a	Left Tilted	157	--	--	7	DSI-2	100	12.5	12.09	-0.03	0.068	1.10	0.075
	U-NII-3	--	802.11n40	Right Cheek	159	--	--	5+7	DSI-2	100	9.5	9.00	0.03	0.064	1.12	0.072
	U-NII-3	--	802.11n40	Right Tilted	159	--	--	5+7	DSI-2	100	9.5	9.00	0.08	0.067	1.12	0.075
	U-NII-3	--	802.11n40	Left Cheek	159	--	--	5+7	DSI-2	100	9.5	9.00	0.01	0.062	1.12	0.070
	U-NII-3	--	802.11n40	Left Tilted	159	--	--	5+7	DSI-2	100	9.5	9.00	-0.09	0.084	1.12	0.094

Note: 1). "*" indicates that the data is repeated. 2). Scaled SAR-1g (W/kg) = (Measured SAR-1g (W/kg) x Scaling Factor) / Duty Cycle.

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

4.6.3. SAR Results for Hotspot Exposure Condition

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
38	GSM850	--	GPRS10	Front Face	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.08	0.526	1.12	0.587
	GSM850	--	GPRS10	Rear Face	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.02	0.606	1.12	0.677
	GSM850	--	GPRS10	Left Side	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.04	0.169	1.12	0.189
	GSM850	--	GPRS10	Right Side	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.16	0.454	1.12	0.507
	GSM850	--	GPRS10	Top Side	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.02	0.014	1.12	0.016
39	GSM850	--	GPRS10	Bottom Side	1.0	190	--	--	0	DSI-0	--	32.5	32.02	-0.03	0.771	1.12	0.861
	GSM850	--	GPRS10	Bottom Side	1.0	128	--	--	0	DSI-0	--	32.5	32.01	0.01	0.664	1.12	0.743
	GSM850	--	GPRS10	Bottom Side	1.0	251	--	--	0	DSI-0	--	32.5	31.96	0.01	0.809	1.13	0.916
	GSM850	--	GPRS10	Bottom Side	1.0	251	--	--	0	DSI-0	--	32.5	31.96	0.03	0.802	1.13	0.908
	GSM850	--	GPRS10	Bottom Side	1.0	251	--	--	0	DSI-0	--	32.5	31.96	0.03	0.802	1.13	0.908
40	GSM1900	--	GPRS10	Front Face	1.0	661	--	--	1	DSI-0	--	30.0	29.26	0.05	0.502	1.19	0.595
	GSM1900	--	GPRS10	Rear Face	1.0	661	--	--	1	DSI-0	--	30.0	29.26	-0.12	0.393	1.19	0.466
	GSM1900	--	GPRS10	Left Side	1.0	661	--	--	1	DSI-0	--	30.0	29.26	-0.11	0.545	1.19	0.646
	GSM1900	--	GPRS10	Right Side	1.0	661	--	--	1	DSI-0	--	30.0	29.26	0.18	0.108	1.19	0.128
	GSM1900	--	GPRS10	Bottom Side	1.0	661	--	--	1	DSI-0	--	30.0	29.26	-0.02	0.649	1.19	0.770
41	PCS 1900	--	GPRS10	Bottom Side	1.0	661	--	--	1	DSI-0	--	30.0	29.26	-0.02	0.649	1.19	0.770
	WCDMA Band II	--	RMC12.2K	Front Face	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.00	0.501	1.19	0.594
	WCDMA Band II	--	RMC12.2K	Rear Face	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.03	0.587	1.19	0.696
	WCDMA Band II	--	RMC12.2K	Left Side	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.03	0.609	1.19	0.722
	WCDMA Band II	--	RMC12.2K	Right Side	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.02	0.116	1.19	0.138
42	WCDMA Band II	--	RMC12.2K	Bottom Side	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.04	0.468	1.19	0.555
	WCDMA Band IV	--	RMC12.2K	Front Face	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	0.06	0.717	1.10	0.790
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	-0.07	0.863	1.10	0.951
	WCDMA Band IV	--	RMC12.2K	Left Side	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	0.05	0.85	1.10	0.936
	WCDMA Band IV	--	RMC12.2K	Right Side	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	0.08	0.321	1.10	0.354
43	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	-0.07	1.19	1.10	1.311
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1312	--	--	1	DSI-0	--	24.0	23.46	0.09	0.758	1.13	0.858
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-0	--	24.0	23.40	-0.01	1.1	1.15	1.263
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-0	--	24.0	23.40	0.02	1.05	1.15	1.206
	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1312	--	--	1	DSI-0	--	24.0	23.46	0.07	1.04	1.13	1.178
44	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1513	--	--	1	DSI-0	--	24.0	23.40	-0.12	1.15	1.15	1.320
	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1513	--	--	1	DSI-0	--	24.0	23.40	-0.12	1.14	1.15	1.309
	WCDMA Band IV	--	RMC12.2K	Front Face	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	0.08	0.733	1.07	0.787
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	-0.02	0.775	1.07	0.832
	WCDMA Band IV	--	RMC12.2K	Left Side	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	0.06	0.766	1.07	0.823
45	WCDMA Band IV	--	RMC12.2K	Right Side	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	0.03	0.288	1.07	0.309
	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	0.00	0.916	1.07	0.984

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1312	--	--	1	DSI-4	--	22.0	21.62	0.05	0.838	1.09	0.915
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-4	--	22.0	21.58	-0.10	0.921	1.10	1.015
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-4	--	22.0	21.58	-0.02	0.919	1.10	1.012
	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1312	--	--	1	DSI-4	--	22.0	21.62	-0.02	0.618	1.09	0.675
	WCDMA Band IV	--	RMC12.2K	Bottom Side	1.0	1513	--	--	1	DSI-4	--	22.0	21.58	0.09	0.887	1.10	0.977
	WCDMA Band V	--	RMC12.2K	Front Face	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	0.00	0.283	1.09	0.307
46	WCDMA Band V	--	RMC12.2K	Rear Face	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	0.00	0.353	1.09	0.384
	WCDMA Band V	--	RMC12.2K	Left Side	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	-0.01	0.107	1.09	0.116
	WCDMA Band V	--	RMC12.2K	Right Side	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	0.01	0.239	1.09	0.260
	WCDMA Band V	--	RMC12.2K	Bottom Side	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	0.02	0.284	1.09	0.309
47	LTE Band 7	--	QPSK20M	Front Face	1.0	20850	1	0	0	DSI-0	--	24.0	23.65	0.03	0.741	1.08	0.803
	LTE Band 7	--	QPSK20M	Rear Face	2.5	20850	1	0	0	DSI-0	--	24.0	23.65	0.05	0.16	1.08	0.173
	LTE Band 7	--	QPSK20M	Rear Face	1.0	20850	1	0	0	DSI-3	--	17.5	17.07	0.06	0.2	1.10	0.221
	LTE Band 7	--	QPSK20M	Left Side	1.0	20850	1	0	0	DSI-0	--	24.0	23.65	0.18	0.212	1.08	0.230
	LTE Band 7	--	QPSK20M	Right Side	1.0	20850	1	0	0	DSI-0	--	24.0	23.65	0.10	0.356	1.08	0.386
	LTE Band 7	--	QPSK20M	Bottom Side	3.6	20850	1	0	0	DSI-0	--	24.0	23.65	0.03	0.104	1.08	0.113
	LTE Band 7	--	QPSK20M	Bottom Side	1.0	20850	1	0	0	DSI-3	--	17.5	17.07	0.06	0.427	1.10	0.471
	LTE Band 7	--	QPSK20M	Front Face	1.0	21100	1	0	0	DSI-0	--	24.0	23.65	-0.02	0.725	1.08	0.786
	LTE Band 7	--	QPSK20M	Front Face	1.0	21350	1	0	0	DSI-0	--	24.0	23.65	0.02	0.657	1.08	0.712
	LTE Band 7	--	QPSK20M	Front Face	1.0	20850	50	0	0	DSI-0	--	23.0	22.48	0.06	0.588	1.13	0.663
	LTE Band 7	--	QPSK20M	Rear Face	2.5	20850	50	0	0	DSI-0	--	23.0	22.48	0.04	0.124	1.13	0.140
	LTE Band 7	--	QPSK20M	Rear Face	1.0	20850	50	0	0	DSI-3	--	16.5	15.95	0.09	0.163	1.14	0.185
	LTE Band 7	--	QPSK20M	Left Side	1.0	20850	50	0	0	DSI-0	--	23.0	22.48	0.02	0.168	1.13	0.189
	LTE Band 7	--	QPSK20M	Right Side	1.0	20850	50	0	0	DSI-0	--	23.0	22.48	-0.13	0.282	1.13	0.318
	LTE Band 7	--	QPSK20M	Bottom Side	3.6	20850	50	0	0	DSI-0	--	23.0	22.48	0.06	0.0824	1.13	0.093
	LTE Band 7	--	QPSK20M	Bottom Side	1.0	20850	50	0	0	DSI-3	--	16.5	15.95	-0.08	0.338	1.14	0.384
	LTE Band 7	--	QPSK20M	Front Face	1.0	21100	1	49	4	DSI-0	--	24.5	24.23	-0.18	0.634	1.06	0.675
	LTE Band 7	--	QPSK20M	Rear Face	1.9	21100	1	49	4	DSI-0	--	24.5	24.23	-0.03	0.289	1.06	0.308
	LTE Band 7	--	QPSK20M	Rear Face	1.0	21100	1	49	4	DSI-3	--	18.5	17.93	0.04	0.214	1.14	0.244
	LTE Band 7	--	QPSK20M	Left Side	1.0	21100	1	49	4	DSI-0	--	24.5	24.23	0.02	0.11	1.06	0.117
	LTE Band 7	--	QPSK20M	Right Side	1	21100	1	49	4	DSI-0	--	24.5	24.23	0.05	0.011	1.06	0.012
	LTE Band 7	--	QPSK20M	Top Side	3.1	21100	1	49	4	DSI-0	--	24.5	24.23	0.06	0.211	1.06	0.225
	LTE Band 7	--	QPSK20M	Top Side	1.0	21100	1	49	4	DSI-3	--	18.5	17.93	0.09	0.537	1.14	0.612
	LTE Band 7	--	QPSK20M	Front Face	1.0	20850	50	25	4	DSI-0	--	23.5	23.06	-0.03	0.483	1.11	0.534
	LTE Band 7	--	QPSK20M	Rear Face	1.9	20850	50	25	4	DSI-0	--	23.5	23.06	0.07	0.222	1.11	0.246
	LTE Band 7	--	QPSK20M	Rear Face	1.0	20850	50	25	4	DSI-3	--	16.0	15.65	0.03	0.163	1.08	0.177

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 7	--	QPSK20M	Left Side	1.0	20850	50	25	4	DSI-0	--	23.5	23.06	0.03	0.0587	1.11	0.065
	LTE Band 7	--	QPSK20M	Right Side	1	20850	50	25	4	DSI-0	--	23.5	23.06	0.03	0.005	1.11	0.006
	LTE Band 7	--	QPSK20M	Top Side	3.1	20850	50	25	4	DSI-0	--	23.5	23.06	0.06	0.16	1.11	0.177
	LTE Band 7	--	QPSK20M	Top Side	1.0	20850	50	25	4	DSI-3	--	16.0	15.65	0.08	0.398	1.08	0.431
	LTE Band 12(17)	--	QPSK10M	Front Face	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	0.02	0.162	1.13	0.183
48	LTE Band 12(17)	--	QPSK10M	Rear Face	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	-0.03	0.203	1.13	0.230
	LTE Band 12(17)	--	QPSK10M	Left Side	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	0.05	0.0616	1.13	0.070
	LTE Band 12(17)	--	QPSK10M	Right Side	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	0.08	0.137	1.13	0.155
	LTE Band 12(17)	--	QPSK10M	Bottom Side	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	-0.03	0.177	1.13	0.200
	LTE Band 12(17)	--	QPSK10M	Front Face	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	-0.13	0.131	1.15	0.151
	LTE Band 12(17)	--	QPSK10M	Rear Face	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	0.00	0.164	1.15	0.189
	LTE Band 12(17)	--	QPSK10M	Left Side	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	0.07	0.0498	1.15	0.057
	LTE Band 12(17)	--	QPSK10M	Right Side	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	0.08	0.111	1.15	0.128
	LTE Band 12(17)	--	QPSK10M	Bottom Side	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	0.06	0.143	1.15	0.165
	LTE Band 13	--	QPSK10M	Front Face	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	0.03	0.254	1.16	0.296
49	LTE Band 13	--	QPSK10M	Rear Face	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	-0.05	0.317	1.16	0.369
	LTE Band 13	--	QPSK10M	Left Side	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	-0.04	0.0962	1.16	0.112
	LTE Band 13	--	QPSK10M	Right Side	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	0.02	0.216	1.16	0.251
	LTE Band 13	--	QPSK10M	Bottom Side	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	-0.05	0.265	1.16	0.308
	LTE Band 13	--	QPSK10M	Front Face	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	0.09	0.229	1.18	0.271
	LTE Band 13	--	QPSK10M	Rear Face	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	-0.01	0.287	1.18	0.340
	LTE Band 13	--	QPSK10M	Left Side	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	0.07	0.0871	1.18	0.103
	LTE Band 13	--	QPSK10M	Right Side	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	0.06	0.196	1.18	0.232
	LTE Band 13	--	QPSK10M	Bottom Side	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	0.00	0.241	1.18	0.285
50	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26140	1	99	1	DSI-0	--	25.0	24.58	-0.01	0.699	1.10	0.770
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.5	26140	1	99	1	DSI-0	--	25.0	24.58	-0.02	0.447	1.10	0.492
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26140	1	99	1	DSI-3	--	22.5	22.20	0.01	0.404	1.07	0.433
	LTE Band 25(2)	--	QPSK20M	Left Side	1.4	26140	1	99	1	DSI-0	--	25.0	24.58	0.04	0.572	1.10	0.630
	LTE Band 25(2)	--	QPSK20M	Left Side	1.0	26140	1	99	1	DSI-3	--	25.0	24.58	0.08	0.352	1.10	0.388
	LTE Band 25(2)	--	QPSK20M	Right Side	1.0	26140	1	99	1	DSI-0	--	25.0	24.58	-0.12	0.202	1.10	0.223
	LTE Band 25(2)	--	QPSK20M	Bottom Side	1.0	26140	1	99	1	DSI-0	--	25.0	24.58	0.05	0.509	1.10	0.561
	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26140	50	50	1	DSI-0	--	24.0	23.64	0.06	0.408	1.09	0.443
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.5	26140	50	50	1	DSI-0	--	24.0	23.64	-0.17	0.427	1.09	0.464
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26140	50	50	1	DSI-3	--	22.0	21.34	0.05	0.319	1.16	0.371
	LTE Band 25(2)	--	QPSK20M	Left Side	1.0	26140	50	50	1	DSI-0	--	24.0	23.64	0.01	0.416	1.09	0.452
	LTE Band 25(2)	--	QPSK20M	Right Side	1.0	26140	50	50	1	DSI-0	--	24.0	23.64	-0.04	0.14	1.09	0.152

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 25(2)	--	QPSK20M	Bottom Side	1.0	26140	50	50	1	DSI-0	--	24.0	23.64	0.06	0.401	1.09	0.436
	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26365	1	49	4	DSI-0	--	24.5	24.23	0.10	0.516	1.06	0.549
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.9	26365	1	49	4	DSI-0	--	24.5	24.23	0.04	0.196	1.06	0.209
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26365	1	49	4	DSI-3	--	16.5	16.12	0.08	0.112	1.09	0.122
	LTE Band 25(2)	--	QPSK20M	Left Side	1.0	26365	1	49	4	DSI-0	--	24.5	24.23	0.00	0.341	1.06	0.363
	LTE Band 25(2)	--	QPSK20M	Top Side	3.1	26365	1	49	4	DSI-0	--	24.5	24.23	-0.05	0.111	1.06	0.118
	LTE Band 25(2)	--	QPSK20M	Top Side	1.0	26365	1	49	4	DSI-3	--	16.5	16.12	0.10	0.442	1.09	0.482
	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26365	50	0	4	DSI-0	--	23.5	23.20	0.08	0.384	1.07	0.411
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.9	26365	50	0	4	DSI-0	--	23.5	23.20	0.05	0.143	1.07	0.153
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26365	50	0	4	DSI-3	--	15.5	15.04	-0.01	0.0969	1.11	0.108
	LTE Band 25(2)	--	QPSK20M	Left Side	1.0	26365	50	0	4	DSI-0	--	23.5	23.20	0.06	0.251	1.07	0.269
	LTE Band 25(2)	--	QPSK20M	Top Side	3.1	26365	50	0	4	DSI-0	--	23.5	23.20	-0.18	0.0816	1.07	0.087
	LTE Band 25(2)	--	QPSK20M	Top Side	1.0	26365	50	0	4	DSI-3	--	15.5	15.04	0.02	0.324	1.11	0.360
	LTE Band 26(5)	--	QPSK15M	Front Face	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	-0.08	0.346	1.17	0.405
51	LTE Band 26(5)	--	QPSK15M	Rear Face	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	-0.02	0.432	1.17	0.505
	LTE Band 26(5)	--	QPSK15M	Left Side	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	0.07	0.132	1.17	0.154
	LTE Band 26(5)	--	QPSK15M	Right Side	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	0.09	0.293	1.17	0.343
	LTE Band 26(5)	--	QPSK15M	Bottom Side	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	0.05	0.316	1.17	0.370
	LTE Band 26(5)	--	QPSK15M	Front Face	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	0.08	0.265	1.19	0.314
	LTE Band 26(5)	--	QPSK15M	Rear Face	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	-0.07	0.331	1.19	0.392
	LTE Band 26(5)	--	QPSK15M	Left Side	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	-0.10	0.101	1.19	0.120
	LTE Band 26(5)	--	QPSK15M	Right Side	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	0.02	0.224	1.19	0.266
	LTE Band 26(5)	--	QPSK15M	Bottom Side	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	0.12	0.242	1.19	0.287
52	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	0.14	0.326	1.06	0.345
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	0.05	0.246	1.06	0.261
	LTE Band 30	--	QPSK10M	Left Side	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	0.05	0.0239	1.06	0.025
	LTE Band 30	--	QPSK10M	Right Side	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	0.10	0.32	1.06	0.339
53	LTE Band 30	--	QPSK10M	Bottom Side	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	-0.02	0.782	1.06	0.828
	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	0.17	0.253	1.08	0.274
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	0.08	0.195	1.08	0.211
	LTE Band 30	--	QPSK10M	Left Side	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	-0.04	0.0189	1.08	0.020
	LTE Band 30	--	QPSK10M	Right Side	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	0.03	0.253	1.08	0.274
	LTE Band 30	--	QPSK10M	Bottom Side	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	-0.05	0.62	1.08	0.670
	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	0.05	0.216	1.10	0.238
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	-0.04	0.201	1.10	0.221
	LTE Band 30	--	QPSK10M	Left Side	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	0.09	0.0158	1.10	0.017

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 30	--	QPSK10M	Right Side	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	0.01	0.212	1.10	0.234
	LTE Band 30	--	QPSK10M	Bottom Side	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	0.02	0.459	1.10	0.506
	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	0.08	0.168	1.12	0.188
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	-0.09	0.155	1.12	0.174
	LTE Band 30	--	QPSK10M	Left Side	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	0.00	0.0122	1.12	0.014
	LTE Band 30	--	QPSK10M	Right Side	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	0.07	0.164	1.12	0.184
	LTE Band 30	--	QPSK10M	Bottom Side	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	0.02	0.36	1.12	0.403
	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	1	99	4	DSI-0	--	24.5	23.80	0.02	0.271	1.17	0.318
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	1	99	4	DSI-0	--	24.5	23.80	-0.04	0.408	1.17	0.479
	LTE Band 41(38)	--	QPSK20M	Left Side	1.0	39750	1	99	4	DSI-0	--	24.5	23.80	0.08	0.0988	1.17	0.116
	LTE Band 41(38)	--	QPSK20M	Right Side	1.0	39750	1	99	4	DSI-0	--	24.5	23.80	0.01	0.0145	1.17	0.017
	LTE Band 41(38)	--	QPSK20M	Top Side	3.1	39750	1	99	4	DSI-0	--	24.5	23.80	0.05	0.0876	1.17	0.103
	LTE Band 41(38)	--	QPSK20M	Top Side	1.0	39750	1	99	4	DSI-3	--	18.5	18.23	0.11	0.384	1.06	0.409
	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	50	50	4	DSI-0	--	23.0	22.63	0.04	0.223	1.09	0.243
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	50	50	4	DSI-0	--	23.0	22.63	-0.11	0.336	1.09	0.366
	LTE Band 41(38)	--	QPSK20M	Left Side	1.0	39750	50	50	4	DSI-0	--	23.0	22.63	-0.08	0.0813	1.09	0.089
	LTE Band 41(38)	--	QPSK20M	Right Side	1.0	39750	50	50	4	DSI-0	--	23.0	22.63	0.04	0.0132	1.09	0.014
	LTE Band 41(38)	--	QPSK20M	Top Side	3.1	39750	50	50	4	DSI-0	--	23.0	22.63	0.14	0.0721	1.09	0.079
	LTE Band 41(38)	--	QPSK20M	Top Side	1.0	39750	50	50	4	DSI-3	--	17.5	17.09	0.12	0.289	1.10	0.318
54	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	1	99	0	DSI-0	--	24.0	23.75	0.08	0.493	1.06	0.522
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	1	99	0	DSI-0	--	24.0	23.75	0.09	0.356	1.06	0.377
	LTE Band 41(38)	--	QPSK20M	Left Side	1.0	39750	1	99	0	DSI-0	--	24.0	23.75	0.08	0.148	1.06	0.157
	LTE Band 41(38)	--	QPSK20M	Right Side	1.0	39750	1	99	0	DSI-0	--	24.0	23.75	0.03	0.376	1.06	0.398
	LTE Band 41(38)	--	QPSK20M	Bottom Side	3.6	39750	1	99	0	DSI-0	--	24.0	23.75	-0.11	0.101	1.06	0.107
	LTE Band 41(38)	--	QPSK20M	Bottom Side	1.0	39750	1	99	0	DSI-3	--	19.0	18.32	-0.16	0.289	1.17	0.338
	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	50	50	0	DSI-0	--	23.0	22.54	-0.05	0.398	1.11	0.442
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	50	50	0	DSI-0	--	23.0	22.54	0.04	0.255	1.11	0.283
	LTE Band 41(38)	--	QPSK20M	Left Side	1.0	39750	50	50	0	DSI-0	--	23.0	22.54	0.09	0.106	1.11	0.118
	LTE Band 41(38)	--	QPSK20M	Right Side	1.0	39750	50	50	0	DSI-0	--	23.0	22.54	0.02	0.271	1.11	0.301
	LTE Band 41(38)	--	QPSK20M	Bottom Side	3.6	39750	50	50	0	DSI-0	--	23.0	22.54	0.07	0.081	1.11	0.090
	LTE Band 41(38)	--	QPSK20M	Bottom Side	1.0	39750	50	50	0	DSI-3	--	17.5	17.08	0.09	0.241	1.10	0.265
	LTE Band 42	--	QPSK20M	Front Face	1.0	42590	1	99	3	DSI-0	--	24.5	24.19	0.09	0.457	1.07	0.491
55	LTE Band 42	--	QPSK20M	Rear Face	1.0	42590	1	99	3	DSI-0	--	24.5	24.19	-0.08	0.478	1.07	0.513
	LTE Band 42	--	QPSK20M	Left Side	2.8	42590	1	99	3	DSI-0	--	24.5	24.19	-0.01	0.299	1.07	0.321
	LTE Band 42	--	QPSK20M	Left Side	1.0	42590	1	99	3	DSI-3	--	20.5	19.83	-0.11	0.331	1.17	0.386
	LTE Band 42	--	QPSK20M	Top Side	1.0	42590	1	99	3	DSI-0	--	24.5	24.19	0.05	0.386	1.07	0.415

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 42	--	QPSK20M	Front Face	1.0	42590	50	50	3	DSI-0	--	23.5	23.27	-0.05	0.366	1.05	0.386
	LTE Band 42	--	QPSK20M	Rear Face	1.0	42590	50	50	3	DSI-0	--	23.5	23.27	0.04	0.382	1.05	0.403
	LTE Band 42	--	QPSK20M	Left Side	2.8	42590	50	50	3	DSI-0	--	23.5	23.27	0.03	0.239	1.05	0.252
	LTE Band 42	--	QPSK20M	Left Side	1.0	42590	50	25	3	DSI-3	--	19.5	18.95	0.08	0.265	1.14	0.301
	LTE Band 42	--	QPSK20M	Top Side	1.0	42590	50	50	3	DSI-0	--	23.5	23.27	-0.06	0.309	1.05	0.326
	LTE Band 43	--	QPSK20M	Front Face	1.0	45490	1	99	3	DSI-0	--	24.5	24.17	0.09	0.721	1.08	0.778
56	LTE Band 43	--	QPSK20M	Rear Face	1.0	45490	1	99	3	DSI-0	--	24.5	24.17	-0.07	0.789	1.08	0.851
	LTE Band 43	--	QPSK20M	Rear Face	1.0	44690	1	99	3	DSI-0	--	24.5	23.89	-0.07	0.735	1.15	0.846
	LTE Band 43	--	QPSK20M	Rear Face	1.0	45090	1	99	3	DSI-0	--	24.5	23.92	-0.07	0.742	1.14	0.848
	LTE Band 43	--	QPSK20M	Left Side	2.8	45490	1	99	3	DSI-0	--	24.5	24.17	0.09	0.327	1.08	0.353
	LTE Band 43	--	QPSK20M	Left Side	1.0	45490	1	99	3	DSI-3	--	19.5	19.23	-0.01	0.361	1.06	0.384
	LTE Band 43	--	QPSK20M	Top Side	1.0	45490	1	99	3	DSI-0	--	24.5	24.17	0.09	0.241	1.08	0.260
	LTE Band 43	--	QPSK20M	Front Face	1.0	45490	50	25	3	DSI-0	--	23.5	23.16	-0.05	0.577	1.08	0.624
	LTE Band 43	--	QPSK20M	Rear Face	1.0	45490	50	25	3	DSI-0	--	23.5	23.16	-0.04	0.631	1.08	0.682
	LTE Band 43	--	QPSK20M	Left Side	2.8	45490	50	25	3	DSI-0	--	23.5	23.16	0.09	0.262	1.08	0.283
	LTE Band 43	--	QPSK20M	Left Side	1.0	45490	50	25	3	DSI-3	--	18.5	18.16	0.02	0.289	1.08	0.313
	LTE Band 43	--	QPSK20M	Top Side	1.0	45490	50	25	3	DSI-0	--	23.5	23.16	0.04	0.193	1.08	0.209
	LTE Band 48	--	QPSK20M	Front Face	1.0	56640	1	99	3	DSI-0	--	25.0	24.74	0.06	0.506	1.06	0.537
57	LTE Band 48	--	QPSK20M	Rear Face	1.0	56640	1	99	3	DSI-0	--	25.0	24.74	-0.02	0.554	1.06	0.588
	LTE Band 48	--	QPSK20M	Left Side	2.8	56640	1	99	3	DSI-0	--	25.0	24.74	0.11	0.285	1.06	0.303
	LTE Band 48	--	QPSK20M	Left Side	1.0	56640	1	99	3	DSI-3	--	20.0	19.66	-0.03	0.315	1.08	0.341
	LTE Band 48	--	QPSK20M	Top Side	1.0	56640	1	99	3	DSI-0	--	25.0	24.74	0.08	0.21	1.06	0.223
	LTE Band 48	--	QPSK20M	Front Face	1.0	56640	50	25	3	DSI-0	--	24.5	23.78	0.04	0.405	1.18	0.478
	LTE Band 48	--	QPSK20M	Rear Face	1.0	56640	50	25	3	DSI-0	--	24.5	23.78	0.12	0.443	1.18	0.523
	LTE Band 48	--	QPSK20M	Left Side	2.8	56640	50	25	3	DSI-0	--	24.5	23.78	0.08	0.228	1.18	0.269
	LTE Band 48	--	QPSK20M	Left Side	1.0	56640	50	25	3	DSI-3	--	19.5	18.80	0.06	0.252	1.17	0.296
	LTE Band 48	--	QPSK20M	Top Side	1.0	56640	50	25	3	DSI-0	--	24.5	23.78	0.04	0.168	1.18	0.198
	LTE Band 66(4)	--	QPSK20M	Front Face	1.3	132072	1	0	1	DSI-0	--	24.5	24.12	0.08	0.406	1.09	0.443
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	1	0	1	DSI-3	--	24.5	24.12	0.06	0.291	1.09	0.318
58	LTE Band 66(4)	--	QPSK20M	Rear Face	1.5	132072	1	0	1	DSI-0	--	24.5	24.12	-0.01	0.472	1.09	0.515
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	1	0	1	DSI-3	--	21.0	20.63	-0.17	0.346	1.09	0.377
	LTE Band 66(4)	--	QPSK20M	Left Side	1.4	132072	1	0	1	DSI-0	--	24.5	24.12	0.08	0.4	1.09	0.437
	LTE Band 66(4)	--	QPSK20M	Left Side	1.0	132072	1	0	1	DSI-3	--	21.0	20.63	-0.08	0.322	1.09	0.351
	LTE Band 66(4)	--	QPSK20M	Right Side	1.0	132072	1	0	1	DSI-0	--	24.5	24.12	0.06	0.176	1.09	0.192
	LTE Band 66(4)	--	QPSK20M	Bottom Side	1.6	132072	1	0	1	DSI-0	--	24.5	24.12	-0.05	0.318	1.09	0.347
	LTE Band 66(4)	--	QPSK20M	Bottom Side	1.0	132072	1	0	1	DSI-3	--	21.0	20.63	0.01	0.439	1.09	0.478

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 66(4)	--	QPSK20M	Front Face	1.3	132072	50	0	1	DSI-0	--	23.5	22.84	0.09	0.287	1.16	0.334
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	50	0	1	DSI-3	--	23.5	22.84	0.04	0.206	1.16	0.240
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.5	132072	50	0	1	DSI-0	--	23.5	22.84	0.07	0.334	1.16	0.389
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	50	0	1	DSI-3	--	20.0	19.34	-0.12	0.268	1.16	0.312
	LTE Band 66(4)	--	QPSK20M	Left Side	1.4	132072	50	0	1	DSI-0	--	23.5	22.84	0.09	0.31	1.16	0.361
	LTE Band 66(4)	--	QPSK20M	Left Side	1.0	132072	50	0	1	DSI-3	--	20.0	19.34	0.05	0.249	1.16	0.290
	LTE Band 66(4)	--	QPSK20M	Right Side	1.0	132072	50	0	1	DSI-0	--	23.5	22.84	0.08	0.136	1.16	0.158
	LTE Band 66(4)	--	QPSK20M	Bottom Side	1.6	132072	50	0	1	DSI-0	--	23.5	22.84	0.04	0.246	1.16	0.286
	LTE Band 66(4)	--	QPSK20M	Bottom Side	1.0	132072	50	0	1	DSI-3	--	20.0	19.34	0.03	0.342	1.16	0.398
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	0.03	0.0613	1.13	0.069
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	-0.03	0.0769	1.13	0.087
	LTE Band 66(4)	--	QPSK20M	Left Side	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	0.08	0.047	1.13	0.053
	LTE Band 66(4)	--	QPSK20M	Right Side	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	0.02	0.0053	1.13	0.006
	LTE Band 66(4)	--	QPSK20M	Top Side	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	-0.03	0.333	1.13	0.376
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	-0.01	0.0388	1.17	0.045
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	0.03	0.0486	1.17	0.057
	LTE Band 66(4)	--	QPSK20M	Left Side	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	0.01	0.0298	1.17	0.035
	LTE Band 66(4)	--	QPSK20M	Right Side	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	0.02	0.0032	1.17	0.004
	LTE Band 66(4)	--	QPSK20M	Top Side	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	-0.07	0.211	1.17	0.247
	LTE Band 71	--	QPSK20M	Front Face	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	0.04	0.183	1.09	0.200
59	LTE Band 71	--	QPSK20M	Rear Face	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	-0.06	0.229	1.09	0.251
	LTE Band 71	--	QPSK20M	Left Side	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	-0.05	0.0694	1.09	0.076
	LTE Band 71	--	QPSK20M	Right Side	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	0.08	0.155	1.09	0.170
60	LTE Band 71	--	QPSK20M	Bottom Side	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	0.07	0.283	1.09	0.310
	LTE Band 71	--	QPSK20M	Front Face	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	0.03	0.173	1.11	0.192
	LTE Band 71	--	QPSK20M	Rear Face	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	-0.08	0.218	1.11	0.242
	LTE Band 71	--	QPSK20M	Left Side	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	0.04	0.0659	1.11	0.073
	LTE Band 71	--	QPSK20M	Right Side	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	0.06	0.148	1.11	0.165
	LTE Band 71	--	QPSK20M	Bottom Side	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	0.11	0.269	1.11	0.299
61	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	0.10	0.0975	1.21	0.117
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	-0.08	0.0957	1.21	0.115
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	0.18	0.0656	1.21	0.079
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Side	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	0.19	0.0458	1.21	0.055
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	0.08	0.401	1.21	0.483
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.14	0.202	1.17	0.236
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.04	0.154	1.17	0.180

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.13	0.0746	1.17	0.087
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Side	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.10	0.155	1.17	0.181
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.07	0.319	1.17	0.373
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	1	Right	4	DSI-3	--	18.5	17.57	0.10	0.0527	1.24	0.065
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.9	512000	1	Right	4	DSI-3	--	24.0	23.54	0.1	0.0374	1.11	0.042
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	1	Right	4	DSI-3	--	18.5	17.57	-0.06	0.0773	1.24	0.096
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.9	512000	1	Right	4	DSI-3	--	24.0	23.54	0.123	0.0687	1.11	0.076
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	512000	1	Right	4	DSI-3	--	18.5	17.57	0.03	0.0105	1.24	0.013
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Side	2.8	512000	1	Right	4	DSI-3	--	24.0	23.54	0	<0.001	1.11	<0.001
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Side	1	512000	1	Right	4	DSI-3	--	18.5	17.57	0.02	0.0014	1.24	0.002
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Top Side	1.0	512000	1	Right	4	DSI-3	--	18.5	17.57	0.07	0.151	1.24	0.187
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Top Side	3.1	512000	1	Right	4	DSI-3	--	24.0	23.54	0.05	0.0494	1.11	0.055
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.03	0.139	1.17	0.163
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.9	512000	Innter-Full	Mid	4	DSI-3	--	24.0	23.72	0.05	0.035	1.07	0.037
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.03	0.246	1.17	0.288
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.9	512000	Innter-Full	Mid	4	DSI-3	--	24.0	23.72	0.095	0.0661	1.07	0.071
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.03	0.0276	1.17	0.032
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Left Side	2.8	512000	Innter-Full	Mid	4	DSI-3	--	24.0	23.72	0	<0.001	1.07	<0.001
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Right Side	1	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.06	0.001	1.17	0.001
62	5G NR n7	15	DFT-s-OFDM_QPSK20M	Top Side	1.0	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.03	0.483	1.17	0.565
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Top Side	3.1	512000	Innter-Full	Mid	4	DSI-3	--	24.0	23.72	0.06	0.0497	1.07	0.053
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Front Face	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	0.06	0.148	1.09	0.162
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Rear Face	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	0.11	0.15	1.09	0.164
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Left Side	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	-0.03	0.0466	1.09	0.051
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Right Side	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	0.08	0.135	1.09	0.148
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Bottom Side	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	0.04	0.177	1.09	0.194
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Front Face	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	-0.03	0.175	1.06	0.186
63	5G NR n12	15	DFT-s-OFDM_QPSK15M	Rear Face	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	-0.04	0.201	1.06	0.214
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Left Side	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	0.07	0.0856	1.06	0.091
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Right Side	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	0.05	0.191	1.06	0.203
64	5G NR n12	15	DFT-s-OFDM_QPSK15M	Bottom Side	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	-0.03	0.246	1.06	0.262
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.06	0.426	1.13	0.480
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.5	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.07	0.293	1.13	0.330
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	376500	1	Left	1	DSI-3	--	22.5	21.95	-0.07	0.487	1.14	0.553
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Side	1.4	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.08	0.25	1.13	0.282
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	376500	1	Left	1	DSI-3	--	22.5	21.95	-0.07	0.571	1.14	0.648

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Side	1.0	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.18	0.0343	1.13	0.039
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.19	0.327	1.13	0.369
65	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	Innter-Full	Mid	1	DSI-0	--	24.5	23.98	0.03	0.592	1.13	0.667
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.5	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.04	0.334	1.08	0.362
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	372000	Innter-Full	Mid	1	DSI-3	--	22.5	22.23	-0.09	0.52	1.06	0.553
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Side	1.4	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.01	0.438	1.08	0.475
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	372000	Innter-Full	Mid	1	DSI-3	--	22.5	22.23	0.07	0.223	1.06	0.237
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Right Side	1.0	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.07	0.174	1.08	0.189
66	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.02	0.628	1.08	0.681
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	1	Left	4	DSI-0	--	24.5	24.09	0.06	0.0616	1.10	0.068
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	372000	1	Left	4	DSI-0	--	24.5	24.09	0.06	0.038	1.10	0.042
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	372000	1	Left	4	DSI-0	--	24.5	24.09	0.08	0.0295	1.10	0.032
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Top Side	3.1	372000	1	Left	4	DSI-0	--	24.5	24.09	0.15	0.0142	1.10	0.016
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Top Side	1.0	376500	1	Left	1	DSI-3	--	17.5	16.80	-0.16	0.191	1.17	0.224
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	Innter-Full	Mid	4	DSI-0	--	24.5	24.22	0.03	0.109	1.07	0.116
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	372000	Innter-Full	Mid	4	DSI-0	--	24.5	24.22	0.02	0.128	1.07	0.137
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	372000	Innter-Full	Mid	4	DSI-0	--	24.5	24.22	0.08	0.0711	1.07	0.076
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Top Side	3.1	372000	Innter-Full	Mid	4	DSI-0	--	24.5	24.22	0.06	0.104	1.07	0.111
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Top Side	1.0	372000	Innter-Full	Mid	1	DSI-3	--	17.5	17.08	0.00	0.474	1.10	0.522
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Front Face	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	-0.01	0.266	1.12	0.298
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Rear Face	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	0.02	0.33	1.12	0.370
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Left Side	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	0.08	0.0504	1.12	0.057
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Right Side	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	0.09	0.193	1.12	0.217
67	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	-0.05	0.506	1.12	0.568
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Front Face	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	0.02	0.366	1.08	0.394
68	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Rear Face	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	-0.02	0.428	1.08	0.461
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Left Side	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	0.04	0.205	1.08	0.221
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Right Side	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	0.07	0.291	1.08	0.313
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	-0.05	0.491	1.08	0.529
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Front Face	1.0	522000	1	Right	0	DSI-0	--	24.0	23.18	0.02	0.411	1.21	0.496
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Rear Face	1.0	522000	1	Right	0	DSI-0	--	24.0	23.18	0.03	0.427	1.21	0.516
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Left Side	1.0	522000	1	Right	0	DSI-0	--	24.0	23.18	0.01	0.162	1.21	0.196
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Right Side	1.0	522000	1	Right	0	DSI-0	--	24.0	23.18	0.09	0.0397	1.21	0.048
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Bottom Side	3.6	522000	1	Right	0	DSI-0	--	24.0	23.18	-0.02	0.0912	1.21	0.110
69	5G NR n38	30	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	522000	1	Right	0	DSI-3	--	19.5	18.98	0.04	0.695	1.13	0.783
70	5G NR n38	30	DFT-s-OFDM_QPSK20M	Front Face	1.0	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	-0.03	0.56	1.13	0.633

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Rear Face	1.0	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	0.02	0.424	1.13	0.479
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Left Side	1.0	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	0.04	0.174	1.13	0.197
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Right Side	1.0	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	-0.05	0.391	1.13	0.442
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Bottom Side	3.6	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	0.08	0.106	1.13	0.120
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	516000	Innter-Full	Mid	0	DSI-3	--	19.5	19.24	0.06	0.437	1.06	0.464
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	528000	1	Right	4	DSI-0	--	24.5	23.87	0.05	0.221	1.16	0.256
71	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	528000	1	Right	4	DSI-0	--	24.5	23.87	0.06	0.477	1.16	0.551
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Left Side	1.0	528000	1	Right	4	DSI-0	--	24.5	23.87	-0.14	0.0198	1.16	0.023
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Right Side	1.0	528000	1	Right	4	DSI-0	--	24.5	23.87	-0.11	0.0032	1.16	0.004
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Top Side	3.1	528000	1	Right	4	DSI-0	--	24.5	23.87	0.03	0.0822	1.16	0.095
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Top Side	1.0	528000	1	Right	4	DSI-3	--	19.5	18.49	-0.01	0.224	1.26	0.283
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	0.05	0.237	1.07	0.253
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	0.12	0.414	1.07	0.443
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Left Side	1.0	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	-0.06	0.102	1.07	0.109
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Right Side	1.0	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	0.04	0.0018	1.07	0.002
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Top Side	3.1	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	0.08	0.0394	1.07	0.042
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Top Side	1.0	518598	Innter-Full	Mid	4	DSI-3	--	19.5	18.95	-0.08	0.255	1.14	0.289
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	-0.03	0.0428	1.20	0.051
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	0.08	0.0438	1.20	0.053
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Side	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	0.07	0.0198	1.20	0.024
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Side	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	0.10	0.0115	1.20	0.014
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Bottom Side	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	0.05	0.179	1.20	0.215
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	-0.15	0.0685	1.10	0.075
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.09	0.0621	1.10	0.068
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Side	1.0	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.00	0.0254	1.10	0.028
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Side	1.0	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	-0.17	0.0404	1.10	0.045
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Bottom Side	1.0	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.16	0.187	1.10	0.206
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	509202	1	Right	2	DSI-0	--	22.5	21.76	-0.04	0.024	1.19	0.028
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	509202	1	Right	2	DSI-0	--	22.5	21.76	0.02	0.0531	1.19	0.063
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Side	1.0	509202	1	Right	2	DSI-0	--	22.5	21.76	0.15	0.0583	1.19	0.069
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Top Side	1.0	509202	1	Right	2	DSI-0	--	22.5	21.76	0.09	0.0178	1.19	0.021
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	-0.08	0.0268	1.11	0.030
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.03	0.0614	1.11	0.068
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Side	1.0	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.09	0.0868	1.11	0.096
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Top Side	1.0	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.16	0.0206	1.11	0.023
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	1	Right	6	DSI-0	--	21.5	20.62	-0.03	0.0135	1.22	0.017

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	1	Right	6	DSI-0	--	21.5	20.62	0.08	0.0291	1.22	0.036
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Side	1	518598	1	Right	6	DSI-0	--	21.5	20.62	0.00	<0.001	1.22	<0.001
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Side	1.0	518598	1	Right	6	DSI-0	--	21.5	20.62	0.04	0.0196	1.22	0.024
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Top Side	1.0	518598	1	Right	6	DSI-0	--	21.5	20.62	0.03	0.0207	1.22	0.025
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.02	0.0168	1.16	0.019
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.12	0.0387	1.16	0.045
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Left Side	1	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.00	<0.001	1.16	<0.001
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Right Side	1.0	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	-0.12	0.0278	1.16	0.032
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Top Side	1.0	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.04	0.0272	1.16	0.031
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.3	346000	1	Left	1	DSI-0	--	25.0	23.45	0.09	0.168	1.43	0.240
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	346000	1	Left	1	DSI-3	--	20.5	20.12	0.04	0.177	1.09	0.193
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.5	346000	1	Left	1	DSI-0	--	25.0	23.45	-0.07	0.17	1.43	0.243
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	346000	1	Left	1	DSI-3	--	20.5	20.12	-0.10	0.209	1.09	0.228
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Side	1.4	346000	1	Left	1	DSI-0	--	25.0	23.45	-0.03	0.173	1.43	0.247
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Side	1.0	346000	1	Left	1	DSI-3	--	20.5	20.12	0.04	0.208	1.09	0.227
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Side	1.0	346000	1	Left	1	DSI-0	--	25.0	23.45	-0.07	0.0563	1.43	0.080
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.6	346000	1	Left	1	DSI-0	--	25.0	23.45	0.05	0.364	1.43	0.520
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.0	346000	1	Left	1	DSI-3	--	20.5	20.12	0.01	0.217	1.09	0.237
72	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.3	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	-0.11	0.271	1.12	0.303
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	0.00	0.215	1.06	0.228
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.5	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.05	0.247	1.12	0.276
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	-0.08	0.235	1.06	0.249
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Side	1.4	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	-0.03	0.693	1.12	0.774
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Side	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	0.04	0.6	1.06	0.636
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Side	1.0	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.07	0.264	1.12	0.295
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.6	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.02	0.446	1.12	0.498
73	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	0.03	0.914	1.06	0.968
*	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	0.07	0.911	1.06	0.965
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.0	346000	Innter-Full	Mid	1	DSI-3	--	20.5	20.21	0.04	0.816	1.07	0.872
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Bottom Side	1.0	352000	Innter-Full	Mid	1	DSI-3	--	20.5	19.89	0.07	0.662	1.15	0.762
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	0.01	0.0473	1.21	0.057
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	0.04	0.0524	1.21	0.063
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Side	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	0.03	0.0425	1.21	0.051
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Side	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	0.05	0.0025	1.21	0.003
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Top Side	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	-0.08	0.0198	1.21	0.024
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	0.03	0.0932	1.16	0.108

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	0.05	0.0953	1.16	0.111
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Left Side	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	-0.07	0.0578	1.16	0.067
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Right Side	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	-0.02	0.0018	1.16	0.002
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Top Side	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	-0.17	0.41	1.16	0.477
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	-0.06	0.211	1.19	0.251
74	5G NR n71	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	0.02	0.249	1.19	0.296
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	0.17	0.178	1.19	0.212
75	5G NR n71	15	DFT-s-OFDM_QPSK20M	Right Side	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	0.01	0.36	1.19	0.428
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	0.04	0.272	1.19	0.323
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	0.07	0.184	1.15	0.212
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	-0.03	0.224	1.15	0.258
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Left Side	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	0.05	0.0704	1.15	0.081
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Right Side	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	0.09	0.162	1.15	0.187
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Bottom Side	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	-0.03	0.285	1.15	0.329
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	1	DSI-0	--	24.0	23.88	-0.05	0.00751	1.03	0.008
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	1	DSI-0	--	24.0	23.88	0.01	0.019	1.03	0.020
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	1	633334	1	Right	1	DSI-0	--	24.0	23.88	0.06	0.01	1.03	0.010
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Bottom Side	1	633334	1	Right	1	DSI-0	--	24.0	23.88	0.08	0.024	1.03	0.025
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.02	0.00781	1.03	0.008
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	-0.09	0.02	1.03	0.021
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	1	633334	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.05	0.01	1.03	0.010
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Bottom Side	1	633334	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.02	0.025	1.03	0.026
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	2	DSI-0	--	24.0	23.88	0.01	0.011	1.03	0.011
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	2	DSI-0	--	24.0	23.88	0.09	0.00851	1.03	0.009
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	1	633334	1	Right	2	DSI-0	--	24.0	23.88	-0.11	0.031	1.03	0.032
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Top Side	1	633334	1	Right	2	DSI-0	--	24.0	23.88	0.05	<0.01	1.03	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.00	0.011	1.03	0.011
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.06	0.00885	1.03	0.009
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	1	633334	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	-0.09	0.032	1.03	0.033
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Top Side	1	633334	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.01	<0.01	1.03	<0.01
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	3	DSI-3	--	18.0	17.56	0.04	0.161	1.11	0.178
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	633334	1	Right	3	DSI-0	--	24.0	23.77	0.09	0.228	1.05	0.240
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	3	DSI-3	--	18.0	17.56	-0.11	0.177	1.11	0.196
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	633334	1	Right	3	DSI-0	--	24.0	23.77	0.06	0.239	1.05	0.252
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	1	633334	1	Right	3	DSI-3	--	18.0	17.56	0.04	0.317	1.11	0.351
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	2.8	633334	1	Right	3	DSI-0	--	24.0	23.77	-0.15	0.287	1.05	0.303

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Top Side	1	633334	1	Right	3	DSI-0	--	24.0	23.77	0.11	0.371	1.05	0.391
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	3	DSI-3	--	18.0	17.59	0.09	0.17	1.10	0.187
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	633334	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.04	0.241	1.03	0.248
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	3	DSI-3	--	18.0	17.59	-0.01	0.186	1.10	0.204
76	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	633334	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.07	0.252	1.03	0.259
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	1	633334	Innter_Full	Mid	3	DSI-3	--	18.0	17.59	0.08	0.334	1.10	0.367
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Left Side	2.8	633334	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	0.02	0.302	1.03	0.310
77	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Top Side	1	633334	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.05	0.39	1.03	0.401
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	6	DSI-0	--	24.0	23.88	0.10	0.012	1.03	0.012
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	6	DSI-0	--	24.0	23.88	0.05	0.031	1.03	0.032
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Side	1	633334	1	Right	6	DSI-0	--	24.0	23.88	-0.06	0.029	1.03	0.030
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Top Side	1	633334	1	Right	6	DSI-0	--	24.0	23.88	0.07	0.036	1.03	0.037
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	-0.05	0.012	1.03	0.012
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	-0.01	0.032	1.03	0.033
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Right Side	1	633334	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	0.05	0.03	1.03	0.031
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Top Side	1	633334	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	0.09	0.037	1.03	0.038
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	1	DSI-0	--	24.0	23.88	-0.04	0.00781	1.03	0.008
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	1	DSI-0	--	24.0	23.88	0.08	0.019	1.03	0.020
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	1	650000	1	Right	1	DSI-0	--	24.0	23.88	0.03	0.01	1.03	0.010
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Bottom Side	1	650000	1	Right	1	DSI-0	--	24.0	23.88	-0.06	0.025	1.03	0.026
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	-0.06	0.00804	1.03	0.008
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.07	0.019	1.03	0.020
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	1	650000	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.02	0.01	1.03	0.010
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Bottom Side	1	650000	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	-0.06	0.026	1.03	0.027
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.05	0.011	1.03	0.011
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.01	0.00912	1.03	0.009
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	1	650000	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.06	0.033	1.03	0.034
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Top Side	1	650000	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	-0.01	<0.01	1.03	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	2	DSI-0	--	24.0	23.88	0.01	0.011	1.03	0.011
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	2	DSI-0	--	24.0	23.88	0.08	0.00885	1.03	0.009
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	1	650000	1	Right	2	DSI-0	--	24.0	23.88	0.01	0.032	1.03	0.033
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Top Side	1	650000	1	Right	2	DSI-0	--	24.0	23.88	0.18	<0.01	1.03	<0.01
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	3	DSI-3	--	18.0	17.68	0.00	0.221	1.08	0.238
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	650000	1	Right	3	DSI-0	--	24.0	23.88	-0.06	0.314	1.03	0.323
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	3	DSI-3	--	18.0	17.68	0.04	0.242	1.08	0.261
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	650000	1	Right	3	DSI-0	--	24.0	23.88	0.09	0.365	1.03	0.375

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	1	650000	1	Right	3	DSI-3	--	18.0	17.68	0.01	0.445	1.08	0.479
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	2.8	650000	1	Right	3	DSI-0	--	24.0	23.88	0.05	0.403	1.03	0.414
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Top Side	1	650000	1	Right	3	DSI-1	--	24.0	23.88	0.00	0.296	1.03	0.304
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter-Full	Mid	3	DSI-3	--	18.0	17.74	0.05	0.226	1.06	0.240
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	650000	Innter-Full	Mid	3	DSI-0	--	24.0	23.88	-0.08	0.32	1.03	0.329
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	3	DSI-3	--	18.0	17.74	0.02	0.247	1.06	0.262
78	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	650000	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.01	0.372	1.03	0.382
79	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	1	650000	Innter_Full	Mid	3	DSI-3	--	18.0	17.74	-0.02	0.454	1.06	0.482
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Left Side	2.8	650000	Innter_Full	Full	3	DSI-0	--	24.0	23.88	0.07	0.411	1.03	0.423
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Top Side	1	650000	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	0.01	0.302	1.03	0.310
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	6	DSI-0	--	24.0	23.88	0.11	0.012	1.03	0.012
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	6	DSI-0	--	24.0	23.88	0.06	0.032	1.03	0.033
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Side	1	650000	1	Right	6	DSI-0	--	24.0	23.88	0.05	0.03	1.03	0.031
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Top Side	1	650000	1	Right	6	DSI-0	--	24.0	23.88	-0.02	0.037	1.03	0.038
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter-Full	Mid	6	DSI-0	--	24.0	23.88	-0.08	0.012	1.03	0.012
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	0.05	0.033	1.03	0.034
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Right Side	1	650000	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	0.06	0.031	1.03	0.032
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Top Side	1	650000	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	0.06	0.038	1.03	0.039
	802.11a	--	802.11a	Front Face	1	36	--	--	5	DSI-0	100	17.5	17.07	0.06	0.187	1.10	0.206
80	802.11a	--	802.11a	Rear Face	1	36	--	--	5	DSI-0	100	17.5	17.07	0.08	0.246	1.10	0.272
	802.11a	--	802.11a	Right Side	1	36	--	--	5	DSI-0	100	17.5	17.07	0.08	0.06	1.10	0.066
81	802.11a	--	802.11a	Top Side	1	36	--	--	5	DSI-0	100	17.5	17.07	0.04	0.456	1.10	0.503
	802.11a	--	802.11a	Front Face	1	48	--	--	7	DSI-0	100	18.5	17.84	-0.08	0.051	1.16	0.059
	802.11a	--	802.11a	Rear Face	1	48	--	--	7	DSI-0	100	18.5	17.84	0.06	0.151	1.16	0.176
	802.11a	--	802.11a	Right Side	1	48	--	--	7	DSI-0	100	18.5	17.84	0.01	0.149	1.16	0.173
	802.11a	--	802.11a	Top Side	1	48	--	--	7	DSI-0	100	18.5	17.84	0.08	0.043	1.16	0.050
	802.11a	--	802.11a	Front Face	1	56	--	--	5	DSI-0	100	18.0	17.71	-0.12	0.222	1.07	0.237
82	802.11a	--	802.11a	Rear Face	1	56	--	--	5	DSI-0	100	18.0	17.71	-0.05	0.293	1.07	0.313
	802.11a	--	802.11a	Front Face	1	52	--	--	7	DSI-0	100	18.0	17.75	0.06	0.058	1.06	0.061
	802.11a	--	802.11a	Rear Face	1	52	--	--	7	DSI-0	100	18.0	17.75	0.01	0.172	1.06	0.182
	802.11a	--	802.11a	Front Face	1	120	--	--	5	DSI-0	100	17.5	16.76	-0.08	0.247	1.19	0.293
83	802.11a	--	802.11a	Rear Face	1	120	--	--	5	DSI-0	100	17.5	16.76	0.00	0.413	1.19	0.490
	802.11a	--	802.11a	Front Face	1	100	--	--	7	DSI-0	100	18.5	17.89	0.06	0.074	1.15	0.085
	802.11a	--	802.11a	Rear Face	1	100	--	--	7	DSI-0	100	18.5	17.89	0.05	0.233	1.15	0.268
	802.11a	--	802.11a	Front Face	1	165	--	--	5	DSI-0	100	17.5	17.20	0.02	0.22	1.07	0.236
	802.11a	--	802.11a	Rear Face	1	165	--	--	5	DSI-0	100	17.5	17.20	-0.02	0.255	1.07	0.273

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	802.11a	--	802.11a	Right Side	1	165	--	--	5	DSI-0	100	17.5	17.20	0.09	0.142	1.07	0.152
84	802.11a	--	802.11a	Top Side	1	165	--	--	5	DSI-0	100	17.5	17.20	-0.09	0.685	1.07	0.734
	802.11a	--	802.11a	Front Face	1	165	--	--	7	DSI-0	100	18.0	17.70	0.01	0.072	1.07	0.077
85	802.11a	--	802.11a	Rear Face	1	165	--	--	7	DSI-0	100	18.0	17.70	-0.08	0.315	1.07	0.338
	802.11a	--	802.11a	Right Side	1	165	--	--	7	DSI-0	100	18.0	17.70	0.03	0.423	1.07	0.453
	802.11a	--	802.11a	Top Side	1	165	--	--	7	DSI-0	100	18.0	17.70	0.09	0.153	1.07	0.164
	802.11a	--	802.11a	Front Face	1	48	--	--	5	DSI-4	100	10.0	9.57	0.00	0.059	1.10	0.065
86	802.11a	--	802.11a	Rear Face	1	48	--	--	5	DSI-4	100	10.0	9.57	0.08	0.078	1.10	0.086
	802.11a	--	802.11a	Right Side	1	48	--	--	5	DSI-4	100	10.0	9.57	0.04	0.023	1.10	0.025
87	802.11a	--	802.11a	Top Side	1	48	--	--	5	DSI-4	100	10.0	9.57	-0.01	0.173	1.10	0.191
	802.11a	--	802.11a	Front Face	1	48	--	--	7	DSI-4	100	10.5	9.88	0.06	0.019	1.15	0.022
	802.11a	--	802.11a	Rear Face	1	48	--	--	7	DSI-4	100	10.5	9.88	0.08	0.056	1.15	0.065
	802.11a	--	802.11a	Right Side	1	48	--	--	7	DSI-4	100	10.5	9.88	0.01	0.055	1.15	0.063
	802.11a	--	802.11a	Top Side	1	48	--	--	7	DSI-4	100	10.5	9.88	-0.06	0.016	1.15	0.018
	802.11a	--	802.11a	Front Face	1	64	--	--	5	DSI-4	100	11.0	10.47	0.04	0.043	1.13	0.049
88	802.11a	--	802.11a	Rear Face	1	64	--	--	5	DSI-4	100	11.0	10.47	0.00	0.057	1.13	0.064
	802.11a	--	802.11a	Front Face	1	52	--	--	7	DSI-4	100	11.5	11.01	0.08	0.011	1.12	0.012
	802.11a	--	802.11a	Rear Face	1	52	--	--	7	DSI-4	100	11.5	11.01	-0.01	0.033	1.12	0.037
	802.11a	--	802.11a	Front Face	1	100	--	--	5	DSI-4	100	9.5	8.78	-0.04	0.047	1.18	0.055
89	802.11a	--	802.11a	Rear Face	1	100	--	--	5	DSI-4	100	9.5	8.78	-0.08	0.078	1.18	0.092
	802.11a	--	802.11a	Front Face	1	120	--	--	7	DSI-4	100	11.5	10.87	0.02	0.014	1.16	0.016
	802.11a	--	802.11a	Rear Face	1	120	--	--	7	DSI-4	100	11.5	10.87	0.09	0.045	1.16	0.052
	802.11a	--	802.11a	Front Face	1	165	--	--	5	DSI-4	100	9.5	9.05	0.04	0.057	1.11	0.063
	802.11a	--	802.11a	Rear Face	1	165	--	--	5	DSI-4	100	9.5	9.05	0.05	0.066	1.11	0.073
	802.11a	--	802.11a	Right Side	1	165	--	--	5	DSI-4	100	9.5	9.05	-0.02	0.037	1.11	0.041
90	802.11a	--	802.11a	Top Side	1	165	--	--	5	DSI-4	100	9.5	9.05	-0.08	0.177	1.11	0.196
	802.11a	--	802.11a	Front Face	1	157	--	--	7	DSI-4	100	10.5	10.24	0.06	0.018	1.06	0.019
91	802.11a	--	802.11a	Rear Face	1	157	--	--	7	DSI-4	100	10.5	10.24	0.00	0.079	1.06	0.084
	802.11a	--	802.11a	Right Side	1	157	--	--	7	DSI-4	100	10.5	10.24	0.06	0.106	1.06	0.113
	802.11a	--	802.11a	Top Side	1	157	--	--	7	DSI-4	100	10.5	10.24	-0.07	0.038	1.06	0.040
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	5	DSI-0	100	18.5	18.05	0.05	0.156	1.11	0.173
92	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	5	DSI-0	100	18.5	18.05	0.19	0.247	1.11	0.274
	2.4GHz	--	802.11b	Right Side	1.0	11	--	--	5	DSI-0	100	18.5	18.05	0.09	0.0652	1.11	0.072
93	2.4GHz	--	802.11b	Top Side	1.0	11	--	--	5	DSI-0	100	18.5	18.05	-0.06	0.325	1.11	0.360
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	7	DSI-0	100	18.0	17.38	-0.03	0.106	1.15	0.122
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	7	DSI-0	100	18.0	17.38	0.11	0.167	1.15	0.193

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	2.4GHz	--	802.11b	Right Side	1.0	11	--	--	7	DSI-0	100	18.0	17.38	0.08	0.141	1.15	0.163
	2.4GHz	--	802.11b	Top Side	1.0	11	--	--	7	DSI-0	100	18.0	17.38	0.03	0.0188	1.15	0.022
	2.4GHz	--	802.11n20	Front Face	1.0	11	--	--	5+7	DSI-0	100	18.5	18.02	0.10	0.0944	1.12	0.105
	2.4GHz	--	802.11n20	Rear Face	1.0	11	--	--	5+7	DSI-0	100	18.5	18.02	0.04	0.15	1.12	0.168
	2.4GHz	--	802.11n20	Right Side	1.0	11	--	--	5+7	DSI-0	100	18.5	18.02	0.00	0.0773	1.12	0.086
	2.4GHz	--	802.11n20	Top Side	1.0	11	--	--	5+7	DSI-0	100	18.5	18.02	0.06	0.113	1.12	0.126
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	5	DSI-4	100	13.5	12.82	0.01	0.0462	1.17	0.054
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	5	DSI-4	100	13.5	12.82	-0.09	0.0832	1.17	0.097
	2.4GHz	--	802.11b	Right Side	1.0	11	--	--	5	DSI-4	100	13.5	12.82	0.02	0.0208	1.17	0.024
	2.4GHz	--	802.11b	Top Side	1.0	11	--	--	5	DSI-4	100	13.5	12.82	0.07	0.0604	1.17	0.071
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	7	DSI-4	100	13.0	12.47	0.09	0.0247	1.13	0.028
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	7	DSI-4	100	13.0	12.47	-0.11	0.0406	1.13	0.046
	2.4GHz	--	802.11b	Right Side	1.0	11	--	--	7	DSI-4	100	13.0	12.47	0.15	0.0393	1.13	0.044
	2.4GHz	--	802.11b	Top Side	1.0	11	--	--	7	DSI-4	100	13.0	12.47	-0.02	0.00995	1.13	0.011
	2.4GHz	--	802.11n20	Front Face	1.0	11	--	--	5+7	DSI-4	100	13.5	12.91	0.04	0.0253	1.15	0.029
	2.4GHz	--	802.11n20	Rear Face	1.0	11	--	--	5+7	DSI-4	100	13.5	12.91	0.09	0.0557	1.15	0.064
	2.4GHz	--	802.11n20	Right Side	1.0	11	--	--	5+7	DSI-4	100	13.5	12.91	0.04	0.0243	1.15	0.028
	2.4GHz	--	802.11n20	Top Side	1.0	11	--	--	5+7	DSI-4	100	13.5	12.91	-0.07	0.0347	1.15	0.040
94	BR+EDR	--	BR+EDR	Front Face	1.0	39	--	--	5	DSI-0	76.80	9.0	8.50	0.07	0.0967	1.12	0.118
	BR+EDR	--	BR+EDR	Rear Face	1.0	39	--	--	5	DSI-0	76.80	9.0	8.50	0.09	0.162	1.12	0.197
	BR+EDR	--	BR+EDR	Right Side	1.0	39	--	--	5	DSI-0	76.80	9.0	8.50	0.10	0.0363	1.12	0.044
	BR+EDR	--	BR+EDR	Top Side	1.0	39	--	--	5	DSI-0	76.80	9.0	8.50	0.19	0.109	1.12	0.133

Note: 1). "*" indicates that the data is repeated. 2). Scaled SAR-1g (W/kg) = (Measured SAR-1g (W/kg) x Scaling Factor) / Duty Cycle.

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

4.6.4. SAR Results for Body-Worn Exposure Condition (Separation Distance is 1.0 cm)

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	--	GPRS10	Front Face	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.08	0.526	1.12	0.587
38	GSM850	--	GPRS10	Rear Face	1.0	190	--	--	0	DSI-0	--	32.5	32.02	0.02	0.606	1.12	0.677
40	GSM1900	--	GPRS10	Front Face	1.0	661	--	--	1	DSI-0	--	30.0	29.26	0.05	0.502	1.19	0.595
	GSM1900	--	GPRS10	Rear Face	1.0	661	--	--	1	DSI-0	--	30.0	29.26	-0.12	0.393	1.19	0.466
	WCDMA Band II	--	RMC12.2K	Front Face	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.00	0.501	1.19	0.594
42	WCDMA Band II	--	RMC12.2K	Rear Face	1.0	9400	--	--	1	DSI-0	--	25.0	24.26	0.03	0.587	1.19	0.696
	WCDMA Band IV	--	RMC12.2K	Front Face	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	0.06	0.717	1.10	0.790
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1413	--	--	1	DSI-0	--	24.0	23.58	-0.07	0.863	1.10	0.951
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1312	--	--	1	DSI-0	--	24.0	23.46	0.09	0.758	1.13	0.858
44	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-0	--	24.0	23.40	-0.01	1.1	1.15	1.263
*	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-0	--	24.0	23.40	0.02	1.05	1.15	1.206
	WCDMA Band IV	--	RMC12.2K	Front Face	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	0.08	0.733	1.07	0.787
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1413	--	--	1	DSI-4	--	22.0	21.69	-0.02	0.775	1.07	0.832
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1312	--	--	1	DSI-4	--	22.0	21.62	0.05	0.838	1.09	0.915
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-4	--	22.0	21.58	-0.10	0.921	1.10	1.015
	WCDMA Band IV	--	RMC12.2K	Rear Face	1.0	1513	--	--	1	DSI-4	--	22.0	21.58	-0.02	0.919	1.10	1.012
	WCDMA Band V	--	RMC12.2K	Front Face	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	0.00	0.283	1.09	0.307
46	WCDMA Band V	--	RMC12.2K	Rear Face	1.0	4182	--	--	0	DSI-0	--	24.0	23.64	0.00	0.353	1.09	0.384
47	LTE Band 7	--	QPSK20M	Front Face	1.0	20850	1	0	0	DSI-0	--	24.0	23.65	0.03	0.741	1.08	0.803
	LTE Band 7	--	QPSK20M	Rear Face	2.5	20850	1	0	0	DSI-0	--	24.0	23.65	0.05	0.16	1.08	0.173
	LTE Band 7	--	QPSK20M	Rear Face	1.0	20850	1	0	0	DSI-3	--	17.5	17.07	0.06	0.2	1.10	0.221
	LTE Band 7	--	QPSK20M	Front Face	1.0	21100	1	0	0	DSI-0	--	24.0	23.65	-0.02	0.725	1.08	0.786
	LTE Band 7	--	QPSK20M	Front Face	1.0	21350	1	0	0	DSI-0	--	24.0	23.65	0.02	0.657	1.08	0.712
	LTE Band 7	--	QPSK20M	Front Face	1.0	20850	50	0	0	DSI-0	--	23.0	22.48	0.06	0.588	1.13	0.663
	LTE Band 7	--	QPSK20M	Rear Face	2.5	20850	50	0	0	DSI-0	--	23.0	22.48	0.04	0.124	1.13	0.140
	LTE Band 7	--	QPSK20M	Rear Face	1.0	20850	50	0	0	DSI-3	--	16.5	15.95	0.09	0.163	1.14	0.185
	LTE Band 7	--	QPSK20M	Front Face	1.0	21100	1	49	4	DSI-0	--	24.5	24.23	-0.18	0.634	1.06	0.675
	LTE Band 7	--	QPSK20M	Rear Face	1.9	21100	1	49	4	DSI-0	--	24.5	24.23	-0.03	0.289	1.06	0.308
	LTE Band 7	--	QPSK20M	Rear Face	1.0	21100	1	49	4	DSI-3	--	18.5	17.93	0.04	0.214	1.14	0.244
	LTE Band 7	--	QPSK20M	Front Face	1.0	20850	50	25	4	DSI-0	--	23.5	23.06	-0.03	0.483	1.11	0.534
	LTE Band 7	--	QPSK20M	Rear Face	1.9	20850	50	25	4	DSI-0	--	23.5	23.06	0.07	0.222	1.11	0.246
	LTE Band 7	--	QPSK20M	Rear Face	1.0	20850	50	25	4	DSI-3	--	16.0	15.65	0.03	0.163	1.08	0.177
	LTE Band 12(17)	--	QPSK10M	Front Face	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	0.02	0.162	1.13	0.183
48	LTE Band 12(17)	--	QPSK10M	Rear Face	1.0	23060	1	25	0	DSI-0	--	25.0	24.46	-0.03	0.203	1.13	0.230

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 12(17)	--	QPSK10M	Front Face	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	-0.13	0.131	1.15	0.151
	LTE Band 12(17)	--	QPSK10M	Rear Face	1.0	23060	25	25	0	DSI-0	--	24.0	23.38	0.00	0.164	1.15	0.189
	LTE Band 13	--	QPSK10M	Front Face	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	0.03	0.254	1.16	0.296
49	LTE Band 13	--	QPSK10M	Rear Face	1.0	23230	1	25	0	DSI-0	--	25.0	24.34	-0.05	0.317	1.16	0.369
	LTE Band 13	--	QPSK10M	Front Face	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	0.09	0.229	1.18	0.271
	LTE Band 13	--	QPSK10M	Rear Face	1.0	23230	25	0	0	DSI-0	--	24.0	23.27	-0.01	0.287	1.18	0.340
50	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26140	1	99	1	DSI-0	--	25.0	24.58	-0.01	0.699	1.10	0.770
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.5	26140	1	99	1	DSI-0	--	25.0	24.58	-0.02	0.447	1.10	0.492
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26140	1	99	1	DSI-3	--	22.5	22.20	0.01	0.404	1.07	0.433
	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26140	50	50	1	DSI-0	--	24.0	23.64	0.06	0.408	1.09	0.443
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.5	26140	50	50	1	DSI-0	--	24.0	23.64	-0.17	0.427	1.09	0.464
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26140	50	50	1	DSI-3	--	22.0	21.34	0.05	0.319	1.16	0.371
	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26365	1	49	4	DSI-0	--	24.5	24.23	0.10	0.516	1.06	0.549
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.9	26365	1	49	4	DSI-0	--	24.5	24.23	0.04	0.196	1.06	0.209
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26365	1	49	4	DSI-3	--	16.5	16.12	0.08	0.112	1.09	0.122
	LTE Band 25(2)	--	QPSK20M	Front Face	1.0	26365	50	0	4	DSI-0	--	23.5	23.20	0.08	0.384	1.07	0.411
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.9	26365	50	0	4	DSI-0	--	23.5	23.20	0.05	0.143	1.07	0.153
	LTE Band 25(2)	--	QPSK20M	Rear Face	1.0	26365	50	0	4	DSI-3	--	15.5	15.04	-0.01	0.0969	1.11	0.108
	LTE Band 26(5)	--	QPSK15M	Front Face	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	-0.08	0.346	1.17	0.405
51	LTE Band 26(5)	--	QPSK15M	Rear Face	1.0	26865	1	38	0	DSI-0	--	25.0	24.32	-0.02	0.432	1.17	0.505
	LTE Band 26(5)	--	QPSK15M	Front Face	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	0.08	0.265	1.19	0.314
	LTE Band 26(5)	--	QPSK15M	Rear Face	1.0	26865	38	0	0	DSI-0	--	24.0	23.26	-0.07	0.331	1.19	0.392
52	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	0.14	0.326	1.06	0.345
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	1	0	0	DSI-0	--	23.0	22.75	0.05	0.246	1.06	0.261
	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	0.17	0.253	1.08	0.274
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	25	12	0	DSI-0	--	19.5	19.16	0.08	0.195	1.08	0.211
	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	0.05	0.216	1.10	0.238
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	1	0	0	DSI-4	--	18.0	17.58	-0.04	0.201	1.10	0.221
	LTE Band 30	--	QPSK10M	Front Face	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	0.08	0.168	1.12	0.188
	LTE Band 30	--	QPSK10M	Rear Face	1.0	27710	25	12	0	DSI-4	--	15.0	14.51	-0.09	0.155	1.12	0.174
	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	1	99	4	DSI-0	--	24.5	23.80	0.02	0.271	1.17	0.318
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	1	99	4	DSI-0	--	24.5	23.80	-0.04	0.408	1.17	0.479
	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	50	50	4	DSI-0	--	23.0	22.63	0.04	0.223	1.09	0.243
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	50	50	4	DSI-0	--	23.0	22.63	-0.11	0.336	1.09	0.366
54	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	1	99	0	DSI-0	--	24.0	23.75	0.08	0.493	1.06	0.522
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	1	99	0	DSI-0	--	24.0	23.75	0.09	0.356	1.06	0.377

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	LTE Band 41(38)	--	QPSK20M	Front Face	1.0	39750	50	50	0	DSI-0	--	23.0	22.54	-0.05	0.398	1.11	0.442
	LTE Band 41(38)	--	QPSK20M	Rear Face	1.0	39750	50	50	0	DSI-0	--	23.0	22.54	0.04	0.255	1.11	0.283
	LTE Band 42	--	QPSK20M	Front Face	1.0	42590	1	99	3	DSI-0	--	24.5	24.19	0.09	0.457	1.07	0.491
55	LTE Band 42	--	QPSK20M	Rear Face	1.0	42590	1	99	3	DSI-0	--	24.5	24.19	-0.08	0.478	1.07	0.513
	LTE Band 42	--	QPSK20M	Front Face	1.0	42590	50	50	3	DSI-0	--	23.5	23.27	-0.05	0.366	1.05	0.386
	LTE Band 42	--	QPSK20M	Rear Face	1.0	42590	50	50	3	DSI-0	--	23.5	23.27	0.04	0.382	1.05	0.403
	LTE Band 43	--	QPSK20M	Front Face	1.0	45490	1	99	3	DSI-0	--	24.5	24.17	0.09	0.721	1.08	0.778
56	LTE Band 43	--	QPSK20M	Rear Face	1.0	45490	1	99	3	DSI-0	--	24.5	24.17	-0.07	0.789	1.08	0.851
	LTE Band 43	--	QPSK20M	Front Face	1.0	45490	50	25	3	DSI-0	--	23.5	23.16	-0.05	0.577	1.08	0.624
	LTE Band 43	--	QPSK20M	Rear Face	1.0	45490	50	25	3	DSI-0	--	23.5	23.16	-0.04	0.631	1.08	0.682
	LTE Band 48	--	QPSK20M	Front Face	1.0	56640	1	99	3	DSI-0	--	25.0	24.74	0.06	0.506	1.06	0.537
57	LTE Band 48	--	QPSK20M	Rear Face	1.0	56640	1	99	3	DSI-0	--	25.0	24.74	-0.02	0.554	1.06	0.588
	LTE Band 48	--	QPSK20M	Front Face	1.0	56640	50	25	3	DSI-0	--	24.5	23.78	0.04	0.405	1.18	0.478
	LTE Band 48	--	QPSK20M	Rear Face	1.0	56640	50	25	3	DSI-0	--	24.5	23.78	0.12	0.443	1.18	0.523
	LTE Band 66(4)	--	QPSK20M	Front Face	1.3	132072	1	0	1	DSI-0	--	24.5	24.12	0.08	0.406	1.09	0.443
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	1	0	1	DSI-3	--	24.5	24.12	0.06	0.291	1.09	0.318
58	LTE Band 66(4)	--	QPSK20M	Rear Face	1.5	132072	1	0	1	DSI-0	--	24.5	24.12	-0.01	0.472	1.09	0.515
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	1	0	1	DSI-3	--	21.0	20.63	-0.17	0.346	1.09	0.377
	LTE Band 66(4)	--	QPSK20M	Front Face	1.3	132072	50	0	1	DSI-0	--	23.5	22.84	0.09	0.287	1.16	0.334
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	50	0	1	DSI-3	--	23.5	22.84	0.04	0.206	1.16	0.240
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.5	132072	50	0	1	DSI-0	--	23.5	22.84	0.07	0.334	1.16	0.389
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	50	0	1	DSI-3	--	20.0	19.34	-0.12	0.268	1.16	0.312
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	0.03	0.0613	1.13	0.069
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	1	99	4	DSI-0	--	24.5	23.97	-0.03	0.0769	1.13	0.087
	LTE Band 66(4)	--	QPSK20M	Front Face	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	-0.01	0.0388	1.17	0.045
	LTE Band 66(4)	--	QPSK20M	Rear Face	1.0	132072	50	0	4	DSI-0	--	23.5	22.81	0.03	0.0486	1.17	0.057
	LTE Band 71	--	QPSK20M	Front Face	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	0.04	0.183	1.09	0.200
59	LTE Band 71	--	QPSK20M	Rear Face	1.0	133222	1	99	0	DSI-0	--	25.0	24.61	-0.06	0.229	1.09	0.251
	LTE Band 71	--	QPSK20M	Front Face	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	0.03	0.173	1.11	0.192
	LTE Band 71	--	QPSK20M	Rear Face	1.0	133322	50	0	0	DSI-0	--	24.0	23.54	-0.08	0.218	1.11	0.242
61	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	0.10	0.0975	1.21	0.117
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	1	Right	0	DSI-0	--	24.0	23.19	-0.08	0.0957	1.21	0.115
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.14	0.202	1.17	0.236
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	Innter-Full	Mid	0	DSI-0	--	24.0	23.32	0.04	0.154	1.17	0.180
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	1	Right	4	DSI-3	--	18.5	17.57	0.10	0.0527	1.24	0.065
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.9	512000	1	Right	4	DSI-3	--	24.0	23.54	0.1	0.0374	1.11	0.042

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	1	Right	4	DSI-3	--	18.5	17.57	-0.06	0.0773	1.24	0.096
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.9	512000	1	Right	4	DSI-3	--	24.0	23.54	0.123	0.0687	1.11	0.076
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.03	0.139	1.17	0.163
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Front Face	1.9	512000	Innter-Full	Mid	4	DSI-3	--	24.0	23.72	0.05	0.035	1.07	0.037
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	512000	Innter-Full	Mid	4	DSI-3	--	18.5	17.82	0.03	0.246	1.17	0.288
	5G NR n7	15	DFT-s-OFDM_QPSK20M	Rear Face	1.9	512000	Innter-Full	Mid	4	DSI-3	--	24.0	23.72	0.095	0.0661	1.07	0.071
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Front Face	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	0.06	0.148	1.09	0.162
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Rear Face	1.0	141300	1	Left	0	DSI-0	--	24.5	24.11	0.11	0.15	1.09	0.164
	5G NR n12	15	DFT-s-OFDM_QPSK15M	Front Face	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	-0.03	0.175	1.06	0.186
63	5G NR n12	15	DFT-s-OFDM_QPSK15M	Rear Face	1.0	141700	Innter-Full	Mid	0	DSI-0	--	24.5	24.23	-0.04	0.201	1.06	0.214
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.06	0.426	1.13	0.480
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.5	372000	1	Right	1	DSI-0	--	24.5	23.98	-0.07	0.293	1.13	0.330
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	376500	1	Left	1	DSI-3	--	22.5	21.95	-0.07	0.487	1.14	0.553
65	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	Innter-Full	Mid	1	DSI-0	--	24.5	23.98	0.03	0.592	1.13	0.667
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.5	372000	Innter-Full	Mid	1	DSI-0	--	24.5	24.15	0.04	0.334	1.08	0.362
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	372000	Innter-Full	Mid	1	DSI-3	--	22.5	22.23	-0.09	0.52	1.06	0.553
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	1	Left	4	DSI-0	--	24.5	24.09	0.06	0.0616	1.10	0.068
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	372000	1	Left	4	DSI-0	--	24.5	24.09	0.06	0.038	1.10	0.042
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	372000	Innter-Full	Mid	4	DSI-0	--	24.5	24.22	0.03	0.109	1.07	0.116
	5G NR n25(2)	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	372000	Innter-Full	Mid	4	DSI-0	--	24.5	24.22	0.02	0.128	1.07	0.137
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Front Face	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	-0.01	0.266	1.12	0.298
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Rear Face	1.0	167800	1	Right	0	DSI-0	--	24.5	24.00	0.02	0.33	1.12	0.370
	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Front Face	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	0.02	0.366	1.08	0.394
68	5G NR n26(5)	--	DFT-s-OFDM_QPSK20M	Rear Face	1.0	166800	Innter-Full	Mid	0	DSI-0	--	24.5	24.18	-0.02	0.428	1.08	0.461
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Front Face	1.0	522000	1	Right	0	DSI-0	--	24.0	23.18	0.02	0.411	1.21	0.496
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Rear Face	1.0	522000	1	Right	0	DSI-0	--	24.0	23.18	0.03	0.427	1.21	0.516
70	5G NR n38	30	DFT-s-OFDM_QPSK20M	Front Face	1.0	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	-0.03	0.56	1.13	0.633
	5G NR n38	30	DFT-s-OFDM_QPSK20M	Rear Face	1.0	516000	Innter-Full	Mid	0	DSI-0	--	24.0	23.47	0.02	0.424	1.13	0.479
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	528000	1	Right	4	DSI-0	--	24.5	23.87	0.05	0.221	1.16	0.256
71	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	528000	1	Right	4	DSI-0	--	24.5	23.87	0.06	0.477	1.16	0.551
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	0.05	0.237	1.07	0.253
	5G NR n41(38)	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	4	DSI-0	--	24.5	24.21	0.12	0.414	1.07	0.443
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	-0.03	0.0428	1.20	0.051
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	1	Left	0	DSI-0	--	22.5	21.71	0.08	0.0438	1.20	0.053
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	0	DSI-0	--	22.5	22.08	0.09	0.0621	1.10	0.068
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	509202	1	Right	2	DSI-0	--	22.5	21.76	-0.04	0.024	1.19	0.028

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	509202	1	Right	2	DSI-0	--	22.5	21.76	0.02	0.0531	1.19	0.063
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	-0.08	0.0268	1.11	0.030
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	2	DSI-0	--	22.5	22.05	0.03	0.0614	1.11	0.068
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	1	Right	6	DSI-0	--	21.5	20.62	-0.03	0.0135	1.22	0.017
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	1	Right	6	DSI-0	--	21.5	20.62	0.08	0.0291	1.22	0.036
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Front Face	1.0	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.02	0.0168	1.16	0.019
	5G NR n41	30	DFT-s-OFDM_QPSK100M	Rear Face	1.0	518598	Innter-Full	Mid	6	DSI-0	--	21.5	20.87	0.12	0.0387	1.16	0.045
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.3	346000	1	Left	1	DSI-0	--	25.0	23.45	0.09	0.168	1.43	0.240
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	346000	1	Left	1	DSI-3	--	20.5	20.12	0.04	0.177	1.09	0.193
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.5	346000	1	Left	1	DSI-0	--	25.0	23.45	-0.07	0.17	1.43	0.243
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	346000	1	Left	1	DSI-3	--	20.5	20.12	-0.10	0.209	1.09	0.228
72	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.3	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	-0.11	0.271	1.12	0.303
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	0.00	0.215	1.06	0.228
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.5	349000	Innter-Full	Mid	1	DSI-0	--	25.0	24.52	0.05	0.247	1.12	0.276
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	349000	Innter-Full	Mid	1	DSI-3	--	20.5	20.25	-0.08	0.235	1.06	0.249
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	0.01	0.0473	1.21	0.057
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	349000	1	Left	4	DSI-0	--	24.0	23.18	0.04	0.0524	1.21	0.063
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Front Face	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	0.03	0.0932	1.16	0.108
	5G NR n66	15	DFT-s-OFDM_QPSK40M	Rear Face	1.0	349000	Innter-Full	Mid	4	DSI-0	--	24.0	23.34	0.05	0.0953	1.16	0.111
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	-0.06	0.211	1.19	0.251
74	5G NR n71	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	134600	1	Right	0	DSI-0	--	25.0	24.25	0.02	0.249	1.19	0.296
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Front Face	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	0.07	0.184	1.15	0.212
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	-0.03	0.224	1.15	0.258
	5G NR n71	15	DFT-s-OFDM_QPSK20M	Rear Face	1.0	136100	Innter-Full	Mid	0	DSI-0	--	25.0	24.38	-0.03	0.224	1.15	0.258
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	1	DSI-0	--	24.0	23.88	-0.05	0.00751	1.03	0.008
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	1	DSI-0	--	24.0	23.88	0.01	0.019	1.03	0.020
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.02	0.00781	1.03	0.008
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	-0.09	0.02	1.03	0.021
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	2	DSI-0	--	24.0	23.88	0.01	0.011	1.03	0.011
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	2	DSI-0	--	24.0	23.88	0.09	0.00851	1.03	0.009
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.00	0.011	1.03	0.011
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.06	0.00885	1.03	0.009
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	3	DSI-3	--	18.0	17.56	0.04	0.161	1.11	0.178
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	633334	1	Right	3	DSI-0	--	24.0	23.77	0.09	0.228	1.05	0.240
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	3	DSI-3	--	18.0	17.56	-0.11	0.177	1.11	0.196
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	633334	1	Right	3	DSI-0	--	24.0	23.77	0.06	0.239	1.05	0.252

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	3	DSI-3	--	18.0	17.59	0.09	0.17	1.10	0.187
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	633334	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.04	0.241	1.03	0.248
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	3	DSI-3	--	18.0	17.59	-0.01	0.186	1.10	0.204
76	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	633334	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.07	0.252	1.03	0.259
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	1	Right	6	DSI-0	--	24.0	23.88	0.10	0.012	1.03	0.012
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	1	Right	6	DSI-0	--	24.0	23.88	0.05	0.031	1.03	0.032
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Front Face	1	633334	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	-0.05	0.012	1.03	0.012
	5G NR n77-A	30	DFT-s-OFDM_QPSK100M	Rear Face	1	633334	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	-0.01	0.032	1.03	0.033
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	1	DSI-0	--	24.0	23.88	-0.04	0.00781	1.03	0.008
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	1	DSI-0	--	24.0	23.88	0.08	0.019	1.03	0.020
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter-Full	Mid	1	DSI-0	--	24.0	23.88	-0.06	0.00804	1.03	0.008
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	1	DSI-0	--	24.0	23.88	0.07	0.019	1.03	0.020
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter-Full	Mid	2	DSI-0	--	24.0	23.88	0.05	0.011	1.03	0.011
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	2	DSI-0	--	24.0	23.88	0.01	0.00912	1.03	0.009
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	2	DSI-0	--	24.0	23.88	0.01	0.011	1.03	0.011
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	2	DSI-0	--	24.0	23.88	0.08	0.00885	1.03	0.009
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	3	DSI-3	--	18.0	17.68	0.00	0.221	1.08	0.238
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	650000	1	Right	3	DSI-0	--	24.0	23.88	-0.06	0.314	1.03	0.323
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	3	DSI-3	--	18.0	17.68	0.04	0.242	1.08	0.261
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	650000	1	Right	3	DSI-0	--	24.0	23.88	0.09	0.365	1.03	0.375
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter-Full	Mid	3	DSI-3	--	18.0	17.74	0.05	0.226	1.06	0.240
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1.9	650000	Innter-Full	Mid	3	DSI-0	--	24.0	23.88	-0.08	0.32	1.03	0.329
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	3	DSI-3	--	18.0	17.74	0.02	0.247	1.06	0.262
78	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1.9	650000	Innter_Full	Mid	3	DSI-0	--	24.0	23.88	-0.01	0.372	1.03	0.382
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	1	Right	6	DSI-0	--	24.0	23.88	0.11	0.012	1.03	0.012
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	1	Right	6	DSI-0	--	24.0	23.88	0.06	0.032	1.03	0.033
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Front Face	1	650000	Innter-Full	Mid	6	DSI-0	--	24.0	23.88	-0.08	0.012	1.03	0.012
	5G NR n77-C	30	DFT-s-OFDM_QPSK100M	Rear Face	1	650000	Innter_Full	Mid	6	DSI-0	--	24.0	23.88	0.05	0.033	1.03	0.034
	802.11a	--	802.11a	Front Face	1	36	--	--	5	DSI-0	100	17.5	17.07	0.06	0.187	1.10	0.206
80	802.11a	--	802.11a	Rear Face	1	36	--	--	5	DSI-0	100	17.5	17.07	0.08	0.246	1.10	0.272
	802.11a	--	802.11a	Front Face	1	48	--	--	7	DSI-0	100	18.5	17.84	-0.08	0.051	1.16	0.059
	802.11a	--	802.11a	Rear Face	1	48	--	--	7	DSI-0	100	18.5	17.84	0.06	0.151	1.16	0.176
	802.11a	--	802.11a	Front Face	1	56	--	--	5	DSI-0	100	18.0	17.71	-0.12	0.222	1.07	0.237
82	802.11a	--	802.11a	Rear Face	1	56	--	--	5	DSI-0	100	18.0	17.71	-0.05	0.293	1.07	0.313
	802.11a	--	802.11a	Front Face	1	52	--	--	7	DSI-0	100	18.0	17.75	0.06	0.058	1.06	0.061
	802.11a	--	802.11a	Rear Face	1	52	--	--	7	DSI-0	100	18.0	17.75	0.01	0.172	1.06	0.182

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
83	802.11a	--	802.11a	Front Face	1	120	--	--	5	DSI-0	100	17.5	16.76	-0.08	0.247	1.19	0.293
	802.11a	--	802.11a	Rear Face	1	120	--	--	5	DSI-0	100	17.5	16.76	0.00	0.413	1.19	0.490
	802.11a	--	802.11a	Front Face	1	100	--	--	7	DSI-0	100	18.5	17.89	0.06	0.074	1.15	0.085
	802.11a	--	802.11a	Rear Face	1	100	--	--	7	DSI-0	100	18.5	17.89	0.05	0.233	1.15	0.268
84	802.11a	--	802.11a	Front Face	1	165	--	--	5	DSI-0	100	17.5	17.20	0.02	0.22	1.07	0.236
	802.11a	--	802.11a	Rear Face	1	165	--	--	5	DSI-0	100	17.5	17.20	-0.02	0.255	1.07	0.273
	802.11a	--	802.11a	Front Face	1	165	--	--	7	DSI-0	100	18.0	17.70	0.01	0.072	1.07	0.077
	802.11a	--	802.11a	Rear Face	1	165	--	--	7	DSI-0	100	18.0	17.70	-0.08	0.315	1.07	0.338
86	802.11a	--	802.11a	Front Face	1	48	--	--	5	DSI-4	100	10.0	9.57	0.00	0.059	1.10	0.065
	802.11a	--	802.11a	Rear Face	1	48	--	--	5	DSI-4	100	10.0	9.57	0.08	0.078	1.10	0.086
	802.11a	--	802.11a	Front Face	1	48	--	--	7	DSI-4	100	10.5	9.88	0.06	0.019	1.15	0.022
	802.11a	--	802.11a	Rear Face	1	48	--	--	7	DSI-4	100	10.5	9.88	0.08	0.056	1.15	0.065
88	802.11a	--	802.11a	Front Face	1	64	--	--	5	DSI-4	100	11.0	10.47	0.04	0.043	1.13	0.049
	802.11a	--	802.11a	Rear Face	1	64	--	--	5	DSI-4	100	11.0	10.47	0.00	0.057	1.13	0.064
	802.11a	--	802.11a	Front Face	1	52	--	--	7	DSI-4	100	11.5	11.01	0.08	0.011	1.12	0.012
	802.11a	--	802.11a	Rear Face	1	52	--	--	7	DSI-4	100	11.5	11.01	-0.01	0.033	1.12	0.037
89	802.11a	--	802.11a	Front Face	1	100	--	--	5	DSI-4	100	9.5	8.78	-0.04	0.047	1.18	0.055
	802.11a	--	802.11a	Rear Face	1	100	--	--	5	DSI-4	100	9.5	8.78	-0.08	0.078	1.18	0.092
	802.11a	--	802.11a	Front Face	1	120	--	--	7	DSI-4	100	11.5	10.87	0.02	0.014	1.16	0.016
	802.11a	--	802.11a	Rear Face	1	120	--	--	7	DSI-4	100	11.5	10.87	0.09	0.045	1.16	0.052
91	802.11a	--	802.11a	Front Face	1	165	--	--	5	DSI-4	100	9.5	9.05	0.04	0.057	1.11	0.063
	802.11a	--	802.11a	Rear Face	1	165	--	--	5	DSI-4	100	9.5	9.05	0.05	0.066	1.11	0.073
	802.11a	--	802.11a	Front Face	1	157	--	--	7	DSI-4	100	10.5	10.24	0.06	0.018	1.06	0.019
	802.11a	--	802.11a	Rear Face	1	157	--	--	7	DSI-4	100	10.5	10.24	0.00	0.079	1.06	0.084
92	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	5	DSI-0	100	18.5	18.05	0.05	0.156	1.11	0.173
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	5	DSI-0	100	18.5	18.05	0.19	0.247	1.11	0.274
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	7	DSI-0	100	18.0	17.38	-0.03	0.106	1.15	0.122
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	7	DSI-0	100	18.0	17.38	0.11	0.167	1.15	0.193
	2.4GHz	--	802.11n20	Front Face	1.0	11	--	--	5+7	DSI-0	100	18.5	18.02	0.10	0.0944	1.12	0.105
	2.4GHz	--	802.11n20	Rear Face	1.0	11	--	--	5+7	DSI-0	100	18.5	18.02	0.04	0.15	1.12	0.168
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	5	DSI-4	100	13.5	12.82	0.01	0.0462	1.17	0.054
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	5	DSI-4	100	13.5	12.82	-0.09	0.0832	1.17	0.097
	2.4GHz	--	802.11b	Front Face	1.0	11	--	--	7	DSI-4	100	13.0	12.47	0.09	0.0247	1.13	0.028
	2.4GHz	--	802.11b	Rear Face	1.0	11	--	--	7	DSI-4	100	13.0	12.47	-0.11	0.0406	1.13	0.046
	2.4GHz	--	802.11n20	Front Face	1.0	11	--	--	5+7	DSI-4	100	13.5	12.91	0.04	0.0253	1.15	0.029
	2.4GHz	--	802.11n20	Rear Face	1.0	11	--	--	5+7	DSI-4	100	13.5	12.91	0.09	0.0557	1.15	0.064

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
	BR+EDR	--	BR+EDR	Front Face	1.0	39	--	--	5	DSI-0	76.80	9.0	8.50	0.07	0.0967	1.12	0.118
94	BR+EDR	--	BR+EDR	Rear Face	1.0	39	--	--	5	DSI-0	76.80	9.0	8.50	0.09	0.162	1.12	0.197

Note: 1). “*” indicates that the data is repeated. 2). Scaled SAR-1g (W/kg) = (Measured SAR-1g (W/kg) x Scaling Factor) / Duty Cycle.

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

4.6.5. SAR Results for Extremity Exposure Condition (Separation Distance is 0 cm)

Plot No.	Band	SCS (kHz)	Mode	Test Position	Separation Distance (cm)	Channel	RB#	RB Offset	Ant.	DSI	Duty Cycle (%)	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Meas. SAR-10g (W/kg)	Scaling Factor	Scaled SAR-10g (W/kg)
	U-NII-2A	--	802.11a	Front Face	0	56	--	--	5	DSI-0	100	18.0	17.71	0.02	0.43	1.07	0.460
	U-NII-2A	--	802.11a	Rear Face	0	56	--	--	5	DSI-0	100	18.0	17.71	0.01	0.574	1.07	0.614
	U-NII-2A	--	802.11a	Right Side	0	56	--	--	5	DSI-0	100	18.0	17.71	-0.06	0.156	1.07	0.167
95	U-NII-2A	--	802.11a	Top Side	0	56	--	--	5	DSI-0	100	18.0	17.71	-0.02	1.02	1.07	1.090
	U-NII-2A	--	802.11a	Front Face	0	52	--	--	7	DSI-0	100	18.0	17.75	0.08	0.128	1.06	0.136
	U-NII-2A	--	802.11a	Rear Face	0	52	--	--	7	DSI-0	100	18.0	17.75	-0.04	0.388	1.06	0.411
	U-NII-2A	--	802.11a	Right Side	0	52	--	--	7	DSI-0	100	18.0	17.75	0.06	0.362	1.06	0.383
	U-NII-2C	--	802.11a	Front Face	0	120	--	--	5	DSI-0	100	17.5	16.76	0.02	0.629	1.19	0.746
	U-NII-2C	--	802.11a	Rear Face	0	120	--	--	5	DSI-0	100	17.5	16.76	-0.06	1	1.19	1.186
	U-NII-2C	--	802.11a	Right Side	0	120	--	--	5	DSI-0	100	17.5	16.76	0.01	0.399	1.19	0.473
96	U-NII-2C	--	802.11a	Top Side	0	120	--	--	5	DSI-0	100	17.5	16.76	-0.06	2.07	1.19	2.455
	U-NII-2C	--	802.11a	Front Face	0	100	--	--	7	DSI-0	100	18.5	17.89	0.05	0.199	1.15	0.229
	U-NII-2C	--	802.11a	Rear Face	0	100	--	--	7	DSI-0	100	18.5	17.89	0.04	0.712	1.15	0.819
	U-NII-2C	--	802.11a	Right Side	0	100	--	--	7	DSI-0	100	18.5	17.89	0.08	0.522	1.15	0.601
	U-NII-2C	--	802.11a	Top Side	0	100	--	--	7	DSI-0	100	18.5	17.89	0.06	0.23	1.15	0.265
	U-NII-2C	--	802.11a	Top Side	0	100	--	--	5	DSI-0	100	17.0	16.11	0.01	1.61	1.23	1.976
	U-NII-2C	--	802.11a	Top Side	0	100	--	--	5	DSI-0	100	17.0	16.64	-0.17	1.68	1.09	1.825
	U-NII-2C	--	802.11a	Top Side	0	140	--	--	5	DSI-0	100	17.0	16.36	-0.02	1.86	1.16	2.155
*	U-NII-2C	--	802.11a	Top Side	0	120	--	--	5	DSI-0	100	17.5	16.76	-0.05	2.01	1.19	2.383

Note: 1). "*" indicates that the data is repeated. 2). Scaled SAR-1g (W/kg) = (Measured SAR-1g (W/kg) x Scaling Factor) / Duty Cycle.

4.6.6. Power Class 2 SAR Results for 5G NR n41, 77(78)

From May 2017 TCB Workshop, SAR tested were performed using Power Class 3. SAR test for Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each 5G NR (FR1) configuration and exposure condition combination. According to the highest time averaged power for UL-DL configurations, configuration with duty cycle 57% is used for Power Class 2 SAR test.

Additional SAR testing for Power Class 2 is not required when:

- The reported SAR vs. Output power can be linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg

Band	RF Exposure Conditions	Test Position	Power Class 2			Power Class 3				Power Class 2 scaled Reported SAR (W/kg)
			Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Max. Reported 10-g SAR (W/kg)	
5G NR n41 Ant. 4	Head	Right Cheek	57%	22.4	99.05	100%	20.5	112.20	0.550	0.486
		Right Tilted	57%	22.4	99.05	100%	20.5	112.20	0.696	0.614
		Left Cheek	57%	22.4	99.05	100%	20.5	112.20	0.425	0.375
		Left Tilted	57%	22.4	99.05	100%	20.5	112.20	0.538	0.475
	Body	Front Face	57%	21.4	78.68	100%	19.5	89.13	0.256	0.226
		Rear Face	57%	21.4	78.68	100%	19.5	89.13	0.551	0.486
		Left Side	57%	21.4	78.68	100%	19.5	89.13	0.109	0.096
		Right Side	57%	21.4	78.68	100%	19.5	89.13	--	--
		Top Side	57%	21.4	78.68	100%	19.5	89.13	0.289	0.255
		Bottom Side	57%	21.4	78.68	100%	19.5	89.13	0.798	0.704
5G NR n77(78) Ant. 3	Head	Right Cheek	57%	20.2	59.69	100%	18.0	63.10	0.355	0.336
		Right Tilted	57%	20.2	59.69	100%	18.0	63.10	0.217	0.205
		Left Cheek	57%	20.2	59.69	100%	18.0	63.10	0.207	0.196
		Left Tilted	57%	20.2	59.69	100%	18.0	63.10	0.254	0.240
	Body	Front Face	57%	20.2	59.69	100%	18.0	63.10	0.277	0.262
		Rear Face	57%	20.2	59.69	100%	18.0	63.10	0.509	0.481
		Left Side	57%	20.2	59.69	100%	18.0	63.10	--	--
		Right Side	57%	20.2	59.69	100%	18.0	63.10	0.310	0.293
		Top Side	57%	20.2	59.69	100%	18.0	63.10	--	--
		Bottom Side	57%	20.2	59.69	100%	18.0	63.10	0.798	0.755

4.7. SAR MEASUREMENT VARIABILITY

4.7.1. Repeated Measurement

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

- 1) When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
- 2) When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
- 4) If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Band	Mode	Test Position	Separation Distance (cm)	Channel	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
Body Exposure Condition											
LTE Band 42	QPSK20M 1RB99	Right Cheek	0	42990	0.928	0.912	1.0175	N/A	N/A	N/A	N/A
2.4GHz	802.11b	Left Cheek	0	6	0.998	0.987	1.0111	N/A	N/A	N/A	N/A
U-NII-1	802.11a	Left Tilted	0	48	1.03	0.997	1.0331	N/A	N/A	N/A	N/A
U-NII-2A	802.11a	Left Tilted	0	52	0.982	0.968	1.0145	N/A	N/A	N/A	N/A
U-NII-2C	802.11a	Left Tilted	0	140	0.97	0.961	1.0094	N/A	N/A	N/A	N/A
U-NII-3	802.11a	Left Tilted	0	165	1.17	1.12	1.0446	N/A	N/A	N/A	N/A
GSM850	GPRS10	Bottom Side	1.0	251	0.809	0.802	1.0087	N/A	N/A	N/A	N/A
WCDMA Band IV	RMC12.2K	Rear Face	1.0	1513	1.1	1.05	1.0476	N/A	N/A	N/A	N/A
WCDMA Band IV	RMC12.2K	Bottom Side	1.0	1513	1.15	1.14	1.0088	N/A	N/A	N/A	N/A
5G NR n66	DFT-s-OFDM_QPSK40M Innter-Full	Bottom Side	1	349000	0.914	0.911	1.0032	N/A	N/A	N/A	N/A
U-NII-2C	802.11a	Top Side	0	120	2.07	2.01	1.0299	N/A	N/A	N/A	N/A

4.8. SIMULTANEOUS MULTI-BAND TRANSMISSION EVALUATION

4.8.1. Simultaneous Transmission SAR Test Exclusion Considerations

a) Sum of SAR

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR1g is greater than the SAR limit (SAR1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

b) SAR to Peak Location Separation Ratio

The simultaneous transmitting antennas in each operating mode and exposure condition combination are considered one pair at a time to determine the SPLSR.

$$SPLSR = (SAR_1 + SAR_2)^{1.5} / R_i$$

The ratio is rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion. When 10-g SAR applies, the ratio must be ≤ 0.10 .

SAR_1 and SAR_2 are the highest reported or estimated SAR values for each antenna in the pair, and R_i is the separation distance in mm between the peak SAR locations for the antenna pair

$$\text{peak location separation distance} = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2}$$

Where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the area or zoom scans.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna. Due to curvatures on the SAM phantom, when SAR is estimated for one of the antennas in an antenna pair, the measured peak SAR location will be translated onto the test device to determine the peak location separation for the antenna pair.

When SAR is estimated for both antennas, the peak location separation should be determined by the closest physical separation of the antennas, according to the feed-point or geometric center of the antennas.

c) Volume Scan

When the SPLSR is ≤ 0.04 for 1-g SAR and ≤ 0.10 for 10-g SAR, the simultaneous transmission SAR is not required. Otherwise, the enlarged zoom scan and volume scan post-processing procedures will be performed.

4.8.2. Simultaneous Transmission Possibilities

The simultaneous transmission possibilities for this device are listed as below.

Mode	WLAN Only			BT	Yes /No
1	WIFI 2.4/5/6GHz SISO Ant 5			-	Yes
2	WIFI 2.4/5/6GHz SISO Ant 7			+	BT Ant 5
3	WIFI 2.4/5/6GHz MIMO			-	Yes
4	WIFI 2.4G SISO Ant 5+WIFI 5/6G SISO Ant 7			-	Yes
5	WIFI 2.4G SISO Ant 7+WIFI 5/6G SISO Ant 5			-	Yes

Mode	WWAN + WLAN				BT	Yes /No
6	WWAN	+	WIFI 2.4/5/6GHz SISO Ant 5		--	Yes
7	WWAN	+	WIFI 2.4/5/6GHz SISO Ant 7		+	BT Ant 5
8	WWAN	+	WIFI 2.4/5/6GHz MIMO		--	Yes
9	WWAN	+	WIFI 2.4G SISO Ant 5+WIFI 5/6G SISO Ant 7		-	Yes
10	WWAN	+	WIFI 2.4G SISO Ant 7+WIFI 5/6G SISO Ant 5		-	Yes

Note:

- 1) The 2.4G WLAN, 5G WLAN, 6G WLAN and Bluetooth cannot be transmitted simultaneously on the same antenna.
- 2) 5G WLAN and 6G WLAN cannot be transmitted simultaneously.
- 3) EUT will choose each GSM, WCDMA, LTE and 5G NR according to the network signal condition; therefore, they will not operate simultaneously at any moment.

4.8.3. Max. Standalone SAR

DSI-2/4

SA	Ant.	Head				Body					
		Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
GSM850	0	0.324	0.174	0.293	0.144	0.587	0.677	0.189	0.507	0.016	0.916
GSM1900	1	0.211	0.147	0.323	0.159	0.595	0.466	0.646	0.128	0.215	0.770
WCDMA II	1	0.229	0.159	0.347	0.171	0.594	0.696	0.722	0.138	0.271	0.555
WCDMA IV	1	0.274	0.167	0.397	0.192	0.787	1.015	0.823	0.309	0.214	0.984
WCDMA V	0	0.208	0.081	0.183	0.087	0.307	0.384	0.116	0.260	0.331	0.309
LTE 7	0	0.099	0.048	0.122	0.088	0.803	0.221	0.230	0.386	0.047	0.471
LTE 7	4	0.616	0.707	0.645	0.786	0.675	0.244	0.117	0.012	0.612	0.056
LTE12(17)	0	0.177	0.084	0.155	0.074	0.183	0.230	0.070	0.155	0.480	0.200
LTE 13	0	0.232	0.091	0.199	0.098	0.296	0.369	0.112	0.251	0.444	0.308
LTE 25(2)	1	0.229	0.147	0.322	0.156	0.770	0.433	0.452	0.223	0.153	0.561
LTE 25(2)	4	0.766	0.777	0.301	0.449	0.549	0.122	0.363	0.733	0.482	0.035
LTE 26(5)	0	0.271	0.106	0.239	0.114	0.405	0.505	0.154	0.343	0.416	0.370
LTE 30	0	0.065	0.047	0.047	0.036	0.238	0.221	0.017	0.234	0.167	0.506
LTE 66(4)	1	0.224	0.144	0.316	0.153	0.318	0.377	0.351	0.192	0.108	0.487
LTE 66(4)	4	0.372	0.301	0.174	0.180	0.069	0.087	0.053	0.006	0.376	0.219
LTE 71	0	0.201	0.092	0.177	0.085	0.200	0.251	0.076	0.170	0.490	0.310
LTE 41(38)	0	0.051	0.024	0.064	0.046	0.522	0.377	0.157	0.398	0.067	0.338
LTE 41(38)	4	0.618	0.783	0.652	0.871	0.318	0.479	0.116	0.017	0.409	0.056
LTE 42	3	1.051	0.437	0.267	0.254	0.491	0.513	0.386	0.457	0.415	0.134
LTE 43	3	0.812	0.370	0.230	0.183	0.778	0.851	0.384	0.369	0.260	0.107
LTE 48	3	0.839	0.393	0.237	0.188	0.537	0.588	0.341	0.411	0.223	0.120
n7	0	0.127	0.062	0.159	0.113	0.236	0.180	0.087	0.181	0.211	0.483
n7	4	0.622	0.713	0.651	0.739	0.163	0.288	0.032	0.002	0.565	0.056
n12	0	0.161	0.077	0.153	0.068	0.186	0.214	0.091	0.203	0.428	0.262
n25(2)	1	0.202	0.129	0.284	0.138	0.667	0.553	0.648	0.189	0.153	0.681
n25(2)	4	0.233	0.232	0.110	0.143	0.116	0.137	0.076	0.923	0.522	0.044
n26(5)	0	0.239	0.093	0.211	0.101	0.394	0.461	0.221	0.313	0.371	0.568
n66(4)	1	0.333	0.214	0.497	0.241	0.228	0.249	0.636	0.295	0.096	0.968
n66(4)	4	0.625	0.612	0.314	0.323	0.108	0.111	0.067	0.003	0.477	0.195
n71	0	0.229	0.099	0.189	0.088	0.251	0.296	0.212	0.428	0.490	0.329
n38	0	0.130	0.064	0.162	0.118	0.633	0.516	0.197	0.442	0.075	0.783
n41	0	0.013	0.004	0.017	0.006	0.075	0.068	0.028	0.045	0.150	0.215
n41	2	0.119	0.044	0.057	0.032	0.030	0.068	0.096	0.681	0.023	0.237
n41(38)	4	0.550	0.696	0.425	0.538	0.256	0.551	0.109	0.004	0.289	0.071
n41	6	0.036	0.027	0.096	0.059	0.019	0.045	0.001	0.032	0.031	0.170
n77(78)	1	0.010	0.010	0.010	0.010	0.008	0.021	0.010	0.729	0.100	0.027
n77(78)	2	0.010	0.011	0.033	0.038	0.011	0.009	0.034	0.418	0.010	0.139
n77(78)	3	0.798	0.355	0.217	0.207	0.254	0.277	0.509	0.264	0.310	0.076
n77(78)	6	0.073	0.038	0.127	0.076	0.012	0.034	0.526	0.032	0.039	0.124
BT	5	0.224	0.195	0.491	0.464	0.118	0.197	0.047	0.044	0.133	0.006
2.4G Wi-Fi	5	0.128	0.103	0.264	0.231	0.054	0.097	0.132	0.024	0.071	0.018
	7	0.040	0.032	0.124	0.052	0.028	0.046	0.075	0.044	0.011	0.023
	MIMO	0.072	0.062	0.125	0.121	0.029	0.064	0.207	0.028	0.040	0.041
	5	0.189	0.205	0.188	0.297	0.065	0.086	0.094	0.025	0.191	0.010
5G Wi-Fi	7	0.011	0.005	0.040	0.024	0.022	0.065	0.064	0.063	0.018	0.018
	MIMO	0.095	0.103	0.094	0.148	0.087	0.151	0.158	0.088	0.209	0.028
	5	0.166	0.180	0.165	0.262	0.049	0.064	---	---	---	---
	7	0.010	0.004	0.034	0.021	0.012	0.037	---	---	---	---
	MIMO	0.079	0.086	0.078	0.103	0.034	0.102	---	---	---	---
	5	0.270	0.292	0.227	0.298	0.055	0.092	---	---	---	---
	7	0.044	0.050	0.056	0.044	0.016	0.052	---	---	---	---
	MIMO	0.066	0.072	0.056	0.073	0.071	0.144	---	---	---	---
	5	0.238	0.251	0.231	0.314	0.063	0.073	0.094	0.041	0.196	0.010
	7	0.052	0.058	0.100	0.075	0.019	0.084	0.064	0.113	0.040	0.018
	MIMO	0.072	0.075	0.070	0.094	0.082	0.157	0.158	0.154	0.236	0.028
	MIMO	0.021	0.213	0.027	0.021	0.060	0.127	0.029	0.038	0.127	0.023
6G Wi-Fi	MIMO	0.021	0.213	0.027	0.021	0.060	0.127	0.029	0.038	0.127	0.023

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

DSI-0/1/3

SA	Ant.	Head				Body					
		Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
2.4G Wi-Fi	5	0.297	0.231	1.133	0.771	0.173	0.274	0.417	0.072	0.360	0.057
	7	0.242	0.188	0.566	0.514	0.122	0.193	0.237	0.163	0.022	0.073
	MIMO	0.267	0.208	0.392	0.379	0.105	0.168		0.086	0.126	
5G Wi-Fi	5	0.738	0.799	0.734	1.161	0.206	0.272	0.472	0.066	0.503	0.053
	7	0.041	0.018	0.142	0.083	0.059	0.176	0.322	0.173	0.050	0.088
	MIMO	0.779	0.817	0.876	1.244	0.265	0.448	0.794	0.239	0.553	0.141
	5	0.690	0.769	0.823	1.074	0.237	0.313	---	---	---	---
	7	0.103	0.115	0.126	0.100	0.061	0.182	---	---	---	---
	MIMO	0.793	0.884	0.949	1.174	0.298	0.495	---	---	---	---
	5	0.784	0.849	0.661	1.207	0.293	0.490	---	---	---	---
	7	0.128	0.142	0.157	0.125	0.085	0.268	---	---	---	---
	MIMO	0.912	0.991	0.818	1.332	0.378	0.758	---	---	---	---
	5	1.000	1.056	0.972	1.316	0.236	0.273	0.472	0.152	0.734	0.053
	7	0.082	0.091	0.159	0.118	0.077	0.338	0.322	0.453	0.164	0.088
	MIMO	1.082	1.147	1.131	1.434	0.313	0.611	0.794	0.605	0.898	0.141

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

4.8.4. Sum of SAR

PCE (SA) + DTS or NII

WWAN+WLAN (5+7)	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
GSM850	0	/	0.594	0.466	0.557	0.458	0.674	0.834	0.396	0.661	0.252	0.957
GSM1900	1	/	0.481	0.439	0.587	0.473	0.682	0.623	0.853	0.282	0.451	0.811
WCDMA II	1	/	0.499	0.451	0.611	0.485	0.681	0.853	0.929	0.292	0.507	0.596
WCDMA IV	1	/	0.544	0.459	0.661	0.506	0.874	1.172	1.030	0.463	0.450	1.025
WCDMA V	0	/	0.478	0.373	0.447	0.401	0.394	0.541	0.323	0.414	0.567	0.350
LTE 7	0	/	0.369	0.340	0.386	0.402	0.890	0.378	0.437	0.540	0.283	0.512
LTE 7	4	/	0.886	0.999	0.909	1.100	0.762	0.401	0.324	0.166	0.848	0.097
LTE12(17)	0	/	0.447	0.376	0.419	0.388	0.270	0.387	0.277	0.309	0.716	0.241
LTE 13	0	/	0.502	0.383	0.463	0.412	0.383	0.526	0.319	0.405	0.680	0.349
LTE 25(2)	1	/	0.499	0.439	0.586	0.470	0.857	0.590	0.659	0.377	0.389	0.602
LTE 25(2)	4	/	1.036	1.069	0.565	0.763	0.636	0.279	0.570	0.887	0.718	0.076
LTE 26(5)	0	/	0.541	0.398	0.503	0.428	0.492	0.662	0.361	0.497	0.652	0.411
LTE 30	0	/	0.335	0.339	0.311	0.350	0.325	0.378	0.224	0.388	0.403	0.547
LTE 66(4)	1	/	0.494	0.436	0.580	0.467	0.405	0.534	0.558	0.346	0.344	0.528
LTE 66(4)	4	/	0.642	0.593	0.438	0.494	0.156	0.244	0.260	0.160	0.612	0.260
LTE 71	0	/	0.471	0.384	0.441	0.399	0.287	0.408	0.283	0.324	0.726	0.351
LTE 41(38)	0	/	0.321	0.316	0.328	0.360	0.609	0.534	0.364	0.552	0.303	0.379
LTE 41(38)	4	/	0.888	1.075	0.916	1.185	0.405	0.636	0.323	0.171	0.645	0.097
LTE 42	3	/	1.321	0.729	0.531	0.568	0.578	0.670	0.593	0.611	0.651	0.175
LTE 43	3	/	1.082	0.662	0.494	0.497	0.865	1.008	0.591	0.523	0.496	0.148
LTE 48	3	/	1.109	0.685	0.501	0.502	0.624	0.745	0.548	0.565	0.459	0.161
n7	0	/	0.397	0.354	0.423	0.427	0.323	0.337	0.294	0.335	0.447	0.524
n7	4	/	0.892	1.005	0.915	1.053	0.250	0.445	0.239	0.156	0.801	0.097
n12	0	/	0.431	0.369	0.417	0.382	0.273	0.371	0.298	0.357	0.664	0.303
n25(2)	1	/	0.472	0.421	0.548	0.452	0.754	0.710	0.855	0.343	0.389	0.722
n25(2)	4	/	0.503	0.524	0.374	0.457	0.203	0.294	0.283	1.077	0.758	0.085
n26(5)	0	/	0.509	0.385	0.475	0.415	0.481	0.618	0.428	0.467	0.607	0.609
n66(4)	1	/	0.603	0.506	0.761	0.555	0.315	0.406	0.843	0.449	0.332	1.009
n66(4)	4	/	0.895	0.904	0.578	0.637	0.195	0.268	0.274	0.157	0.713	0.236
n71	0	/	0.499	0.391	0.453	0.402	0.338	0.453	0.419	0.582	0.726	0.370
n38	0	/	0.400	0.356	0.426	0.432	0.720	0.673	0.404	0.596	0.311	0.824
n41	0	/	0.283	0.296	0.281	0.320	0.162	0.225	0.235	0.199	0.386	0.256
n41	2	/	0.389	0.336	0.321	0.346	0.117	0.225	0.303	0.835	0.259	0.278
n41(38)	4	/	0.820	0.988	0.689	0.852	0.343	0.708	0.316	0.158	0.525	0.112
n41	6	/	0.306	0.319	0.360	0.373	0.106	0.202	0.208	0.186	0.267	0.211
n77(78)	1	/	0.280	0.302	0.274	0.324	0.095	0.178	0.217	0.883	0.336	0.068
n77(78)	2	/	0.280	0.303	0.297	0.352	0.098	0.166	0.241	0.572	0.246	0.180
n77(78)	3	/	1.068	0.647	0.481	0.521	0.341	0.434	0.716	0.418	0.546	0.117
n77(78)	6	/	0.343	0.330	0.391	0.390	0.099	0.191	0.733	0.186	0.275	0.165
Highest Simultaneous Transmission SAR (W/kg)			1.321				1.172					

PCE (SA) + DTS or NII + DSS

WWAN+ WLAN (Ant. 7)+ BT (Ant. 5)	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
GSM850	0	/	0.600	0.427	0.908	0.683	0.733	0.958	0.311	0.664	0.189	0.945
GSM1900	1	/	0.487	0.400	0.937	0.698	0.741	0.747	0.768	0.285	0.388	0.799
WCDMA II	1	/	0.505	0.412	0.962	0.710	0.740	0.977	0.844	0.295	0.444	0.584
WCDMA IV	1	/	0.550	0.420	1.012	0.731	0.933	1.296	0.945	0.466	0.387	1.013
WCDMA V	0	/	0.484	0.334	0.798	0.626	0.453	0.665	0.238	0.417	0.503	0.338
LTE 7	0	/	0.375	0.301	0.737	0.627	0.949	0.502	0.352	0.543	0.220	0.500
LTE 7	4	/	0.892	0.960	1.260	1.325	0.821	0.525	0.239	0.169	0.785	0.085
LTE12(17)	0	/	0.453	0.337	0.770	0.613	0.329	0.511	0.192	0.312	0.653	0.229
LTE 13	0	/	0.508	0.344	0.814	0.637	0.442	0.650	0.234	0.408	0.616	0.337
LTE 25(2)	1	/	0.505	0.400	0.937	0.695	0.916	0.714	0.574	0.380	0.325	0.590
LTE 25(2)	4	/	1.042	1.030	0.916	0.988	0.695	0.403	0.485	0.890	0.655	0.064
LTE 26(5)	0	/	0.547	0.359	0.854	0.653	0.551	0.786	0.276	0.500	0.589	0.399
LTE 30	0	/	0.341	0.300	0.662	0.575	0.384	0.502	0.139	0.391	0.340	0.535
LTE 66(4)	1	/	0.500	0.397	0.931	0.692	0.463	0.658	0.473	0.349	0.280	0.516
LTE 66(4)	4	/	0.648	0.554	0.789	0.719	0.215	0.368	0.175	0.163	0.549	0.249
LTE 71	0	/	0.477	0.345	0.792	0.624	0.346	0.532	0.198	0.327	0.663	0.339
LTE 41(38)	0	/	0.327	0.277	0.679	0.585	0.668	0.658	0.279	0.555	0.240	0.367
LTE 41(38)	4	/	0.894	1.036	1.267	1.410	0.464	0.760	0.238	0.174	0.582	0.086
LTE 42	3	/	1.327	0.690	0.882	0.793	0.637	0.795	0.508	0.614	0.587	0.163
LTE 43	3	/	1.088	0.623	0.844	0.722	0.924	1.133	0.506	0.526	0.433	0.136
LTE 48	3	/	1.115	0.646	0.852	0.727	0.683	0.869	0.463	0.569	0.396	0.149
n7	0	/	0.403	0.315	0.774	0.652	0.382	0.461	0.209	0.338	0.384	0.512
n7	4	/	0.898	0.966	1.266	1.278	0.309	0.569	0.154	0.159	0.738	0.085
n12	0	/	0.437	0.330	0.768	0.607	0.332	0.495	0.213	0.360	0.601	0.291
n25(2)	1	/	0.478	0.382	0.899	0.676	0.813	0.834	0.770	0.346	0.325	0.710
n25(2)	4	/	0.509	0.485	0.725	0.682	0.262	0.418	0.198	1.080	0.695	0.073
n26(5)	0	/	0.515	0.346	0.826	0.640	0.540	0.742	0.343	0.470	0.544	0.597
n66(4)	1	/	0.609	0.467	1.112	0.780	0.374	0.530	0.758	0.452	0.269	0.997
n66(4)	4	/	0.901	0.865	0.929	0.862	0.254	0.392	0.189	0.160	0.650	0.225
n71	0	/	0.505	0.352	0.804	0.627	0.397	0.577	0.334	0.585	0.663	0.358
n38	0	/	0.406	0.317	0.777	0.657	0.779	0.797	0.319	0.599	0.248	0.812
n41	0	/	0.289	0.257	0.632	0.545	0.221	0.349	0.150	0.202	0.323	0.244
n41	2	/	0.395	0.297	0.672	0.571	0.176	0.349	0.218	0.838	0.196	0.266
n41(38)	4	/	0.826	0.949	1.040	1.077	0.402	0.832	0.231	0.161	0.462	0.100
n41	6	/	0.312	0.280	0.711	0.598	0.165	0.326	0.123	0.189	0.204	0.200
n77(78)	1	/	0.286	0.263	0.625	0.549	0.154	0.302	0.132	0.886	0.273	0.056
n77(78)	2	/	0.286	0.264	0.648	0.577	0.157	0.290	0.156	0.575	0.183	0.168
n77(78)	3	/	1.074	0.608	0.832	0.746	0.400	0.558	0.631	0.421	0.483	0.105
n77(78)	6	/	0.349	0.291	0.742	0.615	0.158	0.315	0.648	0.189	0.212	0.153
Highest Simultaneous Transmission SAR (W/kg)			1.410				1.296					

ENDC

ENDC	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
DC_2A_n5A	4	0	1.005	0.870	0.512	0.550	0.943	0.583	0.584	1.046	0.853	0.603
DC_2A_n7A	4	0	0.893	0.839	0.460	0.562	0.785	0.302	0.450	0.914	0.693	0.518
DC_2A_n12A	4	0	0.390	0.224	0.475	0.224	0.956	0.647	0.543	0.426	0.580	0.823
DC_2A_n38A	1	4	0.779	0.843	0.747	0.694	1.026	0.984	0.561	0.227	0.442	0.632
DC_2A_n41A, DC_25A_n41A	1	4	0.779	0.843	0.747	0.694	1.026	0.984	0.561	0.227	0.442	0.632
DC_2A_n66A	4	1	1.099	0.991	0.798	0.690	0.777	0.371	0.999	1.028	0.578	1.003
DC_2A_n71A	4	0	0.995	0.876	0.490	0.537	0.800	0.418	0.575	1.161	0.972	0.364
DC_2A_n77A, DC_25A_n77A	1	3	1.027	0.502	0.539	0.363	1.024	0.710	0.961	0.487	0.463	0.637
DC_2A_n78A, DC_25A_n78A	1	3	1.027	0.502	0.539	0.363	1.024	0.710	0.961	0.487	0.463	0.637
DC_4A_n5A	4	0	0.611	0.394	0.385	0.281	0.463	0.548	0.274	0.319	0.747	0.787
DC_4A_n7A	4	0	0.499	0.363	0.333	0.293	0.305	0.267	0.140	0.187	0.587	0.702
DC_4A_n38A	1	4	0.774	0.840	0.741	0.691	0.574	0.928	0.460	0.196	0.397	0.558
DC_4A_n41A	1	4	0.774	0.840	0.741	0.691	0.574	0.928	0.460	0.196	0.397	0.558
DC_4A_n78A	1	3	1.022	0.499	0.533	0.360	0.572	0.654	0.860	0.456	0.418	0.563
DC_5A_n2A, DC_26A_n25A	0	4	0.504	0.338	0.349	0.257	0.521	0.642	0.230	1.266	0.938	0.414
DC_5A_n7A	0	4	0.893	0.819	0.890	0.853	0.568	0.793	0.186	0.345	0.981	0.426
DC_5A_n66A	0	4	0.896	0.718	0.553	0.437	0.513	0.616	0.221	0.346	0.893	0.565
DC_5A_n77A, DC_26A_n77A	0	3	1.069	0.461	0.456	0.321	0.659	0.782	0.663	0.607	0.726	0.446
DC_5A_n78A, DC_26A_n78A	0	3	1.069	0.461	0.456	0.321	0.659	0.782	0.663	0.607	0.726	0.446
DC_7A_n2A	4	1	0.818	0.836	0.929	0.924	1.342	0.797	0.765	0.201	0.765	0.737
DC_7A_n5A	4	0	0.855	0.800	0.856	0.887	1.069	0.705	0.338	0.325	0.983	0.624
DC_7A_n25A	4	1	0.818	0.836	0.929	0.924	1.342	0.797	0.765	0.201	0.765	0.737
DC_7A_n66A	4	1	0.949	0.921	1.142	1.027	0.903	0.493	0.753	0.307	0.708	1.024
DC_7A_n71A	4	0	0.845	0.806	0.834	0.874	0.926	0.540	0.329	0.440	1.102	0.385
DC_7A_n77A	0	3	0.897	0.403	0.339	0.295	1.057	0.498	0.756	1.115	0.357	0.610
DC_7A_n78A	0	3	0.897	0.403	0.339	0.295	1.057	0.498	0.756	1.115	0.357	0.610
DC_12A_n2A	0	4	0.410	0.316	0.265	0.217	0.299	0.367	0.146	1.078	1.002	0.244
DC_12A_n7A	0	4	0.799	0.797	0.806	0.813	0.346	0.518	0.102	0.157	1.045	0.256
DC_12A_n25A	0	4	0.410	0.316	0.265	0.217	0.299	0.367	0.146	1.078	1.002	0.244
DC_12A_n41A	0	4	0.727	0.780	0.580	0.612	0.439	0.781	0.179	0.159	0.769	0.271
DC_12A_n66A	0	4	0.802	0.696	0.469	0.397	0.291	0.341	0.137	0.158	0.957	0.395
DC_12A_n77A	0	3	0.975	0.439	0.372	0.281	0.437	0.507	0.579	0.419	0.790	0.276
DC_12A_n78A	0	3	0.975	0.439	0.372	0.281	0.437	0.507	0.579	0.419	0.790	0.276
DC_13A_n2A	0	4	0.465	0.323	0.309	0.241	0.412	0.506	0.188	1.174	0.966	0.352
DC_13A_n66A	0	4	0.857	0.703	0.513	0.421	0.404	0.480	0.179	0.254	0.921	0.503
DC_13A_n77A	0	3	1.030	0.446	0.416	0.305	0.550	0.646	0.621	0.515	0.754	0.384
DC_13A_n78A	0	3	1.030	0.446	0.416	0.305	0.550	0.646	0.621	0.515	0.754	0.384
DC_26A_n41A	0	4	0.821	0.802	0.664	0.652	0.661	1.056	0.263	0.347	0.705	0.441
DC_30A_n2A	0	4	0.298	0.279	0.157	0.179	0.354	0.358	0.093	1.157	0.689	0.550
DC_30A_n66A	0	4	0.690	0.659	0.361	0.359	0.346	0.332	0.084	0.237	0.644	0.701
DC_30A_n77A	0	3	0.863	0.402	0.264	0.243	0.492	0.498	0.526	0.498	0.477	0.582
DC_41A_n77A	0	3	0.849	0.379	0.281	0.253	0.776	0.654	0.666	0.662	0.377	0.414
DC_38A_n78A, DC_41A_n78A	0	3	0.849	0.379	0.281	0.253	0.776	0.654	0.666	0.662	0.377	0.414
DC_48A_n2A	3	1	1.041	0.522	0.521	0.326	1.204	1.141	0.989	0.600	0.376	0.801
DC_48A_n5A	3	0	1.078	0.486	0.448	0.289	0.931	1.049	0.562	0.724	0.594	0.688
DC_48A_n66A	3	1	1.172	0.607	0.734	0.429	0.765	0.837	0.977	0.706	0.319	1.088
DC_48A_n71A	3	0	1.068	0.492	0.426	0.276	0.788	0.884	0.553	0.839	0.713	0.449
DC_66A_n12A	4	0	0.533	0.378	0.327	0.248	0.255	0.301	0.144	0.209	0.804	0.481
DC_66A_n25A	4	1	0.574	0.430	0.458	0.318	0.736	0.640	0.701	0.195	0.529	0.900
DC_66A_n2A	4	1	0.574	0.430	0.458	0.318	0.736	0.640	0.701	0.195	0.529	0.900
DC_66A_n38A	1	4	0.774	0.840	0.741	0.691	0.574	0.928	0.460	0.196	0.397	0.558
DC_66A_n41A	1	4	0.774	0.840	0.741	0.691	0.574	0.928	0.460	0.196	0.397	0.558
DC_66A_n5A	4	0	0.611	0.394	0.385	0.281	0.463	0.548	0.274	0.319	0.747	0.787

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

ENDC	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
DC_66A_n71A	4	0	0.601	0.400	0.363	0.268	0.320	0.383	0.265	0.434	0.866	0.548
DC_66A_n77A	1	3	1.022	0.499	0.533	0.360	0.572	0.654	0.860	0.456	0.418	0.563
DC_66A_n78A	1	3	1.022	0.499	0.533	0.360	0.572	0.654	0.860	0.456	0.418	0.563
DC_66A_n7A	4	0	0.499	0.363	0.333	0.293	0.305	0.267	0.140	0.187	0.587	0.702
DC_71A_n2A	0	4	0.434	0.324	0.287	0.228	0.316	0.388	0.152	1.093	1.012	0.354
DC_71A_n41A	0	4	0.751	0.788	0.602	0.623	0.456	0.802	0.185	0.174	0.779	0.381
DC_71A_n66A	0	4	0.826	0.704	0.491	0.408	0.308	0.362	0.143	0.173	0.967	0.505
DC_71A_n78A	0	3	0.999	0.447	0.394	0.292	0.454	0.528	0.585	0.434	0.800	0.386
Highest Simultaneous Transmission SAR (W/kg)			1.172				1.342					

ENDC + DTS or NII

ENDC	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
DC_2A_n5A	4	0	1.275	1.162	0.776	0.864	1.030	0.740	0.791	1.200	1.089	0.644
DC_2A_n7A	4	0	1.163	1.131	0.724	0.876	0.872	0.459	0.657	1.068	0.929	0.559
DC_2A_n12A	4	0	0.660	0.516	0.739	0.538	1.043	0.804	0.750	0.580	0.816	0.864
DC_2A_n38A	1	4	1.049	1.135	1.011	1.008	1.113	1.141	0.768	0.381	0.678	0.673
DC_2A_n41A, DC_25A_n41A	1	4	1.049	1.135	1.011	1.008	1.113	1.141	0.768	0.381	0.678	0.673
DC_2A_n66A	4	1	1.369	1.283	1.062	1.004	0.864	0.528	1.206	1.182	0.814	1.044
DC_2A_n71A	4	0	1.265	1.168	0.754	0.851	0.887	0.575	0.782	1.315	1.208	0.405
DC_2A_n77A, DC_25A_n77A	1	3	1.297	0.794	0.803	0.677	1.111	0.867	1.168	0.641	0.699	0.678
DC_2A_n78A, DC_25A_n78A	1	3	1.297	0.794	0.803	0.677	1.111	0.867	1.168	0.641	0.699	0.678
DC_4A_n5A	4	0	0.881	0.686	0.649	0.595	0.550	0.705	0.481	0.473	0.983	0.828
DC_4A_n7A	4	0	0.769	0.655	0.597	0.607	0.392	0.424	0.347	0.341	0.823	0.743
DC_4A_n38A	1	4	1.044	1.132	1.005	1.005	0.661	1.085	0.667	0.350	0.633	0.599
DC_4A_n41A	1	4	1.044	1.132	1.005	1.005	0.661	1.085	0.667	0.350	0.633	0.599
DC_4A_n78A	1	3	1.292	0.791	0.797	0.674	0.659	0.811	1.067	0.610	0.654	0.604
DC_5A_n2A, DC_26A_n25A	0	4	0.774	0.630	0.613	0.571	0.608	0.799	0.437	1.420	1.174	0.455
DC_5A_n7A	0	4	1.163	1.111	1.154	1.167	0.655	0.950	0.393	0.499	1.217	0.467
DC_5A_n66A	0	4	1.166	1.010	0.817	0.751	0.600	0.773	0.428	0.500	1.129	0.606
DC_5A_n77A, DC_26A_n77A	0	3	1.339	0.753	0.720	0.635	0.746	0.939	0.870	0.761	0.962	0.487
DC_5A_n78A, DC_26A_n78A	0	3	1.339	0.753	0.720	0.635	0.746	0.939	0.870	0.761	0.962	0.487
DC_7A_n2A	4	1	1.088	1.128	1.193	1.238	1.429	0.954	0.972	0.355	1.001	0.778
DC_7A_n5A	4	0	1.125	1.092	1.120	1.201	1.156	0.862	0.545	0.479	1.219	0.665
DC_7A_n25A	4	1	1.088	1.128	1.193	1.238	1.429	0.954	0.972	0.355	1.001	0.778
DC_7A_n66A	4	1	1.219	1.213	1.406	1.341	0.990	0.650	0.960	0.461	0.944	1.065
DC_7A_n71A	4	0	1.115	1.098	1.098	1.188	1.013	0.697	0.536	0.594	1.338	0.426
DC_7A_n77A	0	3	1.167	0.695	0.603	0.609	1.144	0.655	0.963	1.269	0.593	0.651
DC_7A_n78A	0	3	1.167	0.695	0.603	0.609	1.144	0.655	0.963	1.269	0.593	0.651
DC_12A_n2A	0	4	0.680	0.608	0.529	0.531	0.386	0.524	0.353	1.232	1.238	0.285
DC_12A_n7A	0	4	1.069	1.089	1.070	1.127	0.433	0.675	0.309	0.311	1.281	0.297
DC_12A_n25A	0	4	0.680	0.608	0.529	0.531	0.386	0.524	0.353	1.232	1.238	0.285
DC_12A_n41A	0	4	0.997	1.072	0.844	0.926	0.526	0.938	0.386	0.313	1.005	0.312
DC_12A_n66A	0	4	1.072	0.988	0.733	0.711	0.378	0.498	0.344	0.312	1.193	0.436
DC_12A_n77A	0	3	1.245	0.731	0.636	0.595	0.524	0.664	0.786	0.573	1.026	0.317
DC_12A_n78A	0	3	1.245	0.731	0.636	0.595	0.524	0.664	0.786	0.573	1.026	0.317
DC_13A_n2A	0	4	0.735	0.615	0.573	0.555	0.499	0.663	0.395	1.328	1.202	0.393
DC_13A_n66A	0	4	1.127	0.995	0.777	0.735	0.491	0.637	0.386	0.408	1.157	0.544
DC_13A_n77A	0	3	1.300	0.738	0.680	0.619	0.637	0.803	0.828	0.669	0.990	0.425
DC_13A_n78A	0	3	1.300	0.738	0.680	0.619	0.637	0.803	0.828	0.669	0.990	0.425
DC_26A_n41A	0	4	1.091	1.094	0.928	0.966	0.748	1.213	0.470	0.501	0.941	0.482
DC_30A_n2A	0	4	0.568	0.571	0.421	0.493	0.441	0.515	0.300	1.311	0.925	0.591
DC_30A_n66A	0	4	0.960	0.951	0.625	0.673	0.433	0.489	0.291	0.391	0.880	0.742

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-SAR-IEEE Std 1528-2013-V1.1

ENDC	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
DC_30A_n77A	0	3	1.133	0.694	0.528	0.557	0.579	0.655	0.733	0.652	0.713	0.623
DC_41A_n77A	0	3	1.119	0.671	0.545	0.567	0.863	0.811	0.873	0.816	0.613	0.455
DC_38A_n78A, DC_41A_n78A	0	3	1.119	0.671	0.545	0.567	0.863	0.811	0.873	0.816	0.613	0.455
DC_48A_n2A	3	1	1.311	0.814	0.785	0.640	1.291	1.298	1.196	0.754	0.612	0.842
DC_48A_n5A	3	0	1.348	0.778	0.712	0.603	1.018	1.206	0.769	0.878	0.830	0.729
DC_48A_n66A	3	1	1.442	0.899	0.998	0.743	0.852	0.994	1.184	0.860	0.555	1.129
DC_48A_n71A	3	0	1.338	0.784	0.690	0.590	0.875	1.041	0.760	0.993	0.949	0.490
DC_66A_n12A	4	0	0.803	0.670	0.591	0.562	0.342	0.458	0.351	0.363	1.040	0.522
DC_66A_n25A	4	1	0.844	0.722	0.722	0.632	0.823	0.797	0.908	0.349	0.765	0.941
DC_66A_n2A	4	1	0.844	0.722	0.722	0.632	0.823	0.797	0.908	0.349	0.765	0.941
DC_66A_n38A	1	4	1.044	1.132	1.005	1.005	0.661	1.085	0.667	0.350	0.633	0.599
DC_66A_n41A	1	4	1.044	1.132	1.005	1.005	0.661	1.085	0.667	0.350	0.633	0.599
DC_66A_n5A	4	0	0.881	0.686	0.649	0.595	0.550	0.705	0.481	0.473	0.983	0.828
DC_66A_n71A	4	0	0.871	0.692	0.627	0.582	0.407	0.540	0.472	0.588	1.102	0.589
DC_66A_n77A	1	3	1.292	0.791	0.797	0.674	0.659	0.811	1.067	0.610	0.654	0.604
DC_66A_n78A	1	3	1.292	0.791	0.797	0.674	0.659	0.811	1.067	0.610	0.654	0.604
DC_66A_n7A	4	0	0.769	0.655	0.597	0.607	0.392	0.424	0.347	0.341	0.823	0.743
DC_71A_n2A	0	4	0.704	0.616	0.551	0.542	0.403	0.545	0.359	1.247	1.248	0.395
DC_71A_n41A	0	4	1.021	1.080	0.866	0.937	0.543	0.959	0.392	0.328	1.015	0.422
DC_71A_n66A	0	4	1.096	0.996	0.755	0.722	0.395	0.519	0.350	0.327	1.203	0.546
DC_71A_n78A	0	3	1.269	0.739	0.658	0.606	0.541	0.685	0.792	0.588	1.036	0.427
Highest Simultaneous Transmission SAR (W/kg)			1.442				1.429					

ENDC + DTS or NII + DSS

ENDC	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
DC_2A_n5A	4	0	1.281	1.123	1.127	1.089	1.089	0.864	0.706	1.203	1.026	0.632
DC_2A_n7A	4	0	1.169	1.092	1.075	1.101	0.931	0.583	0.572	1.071	0.866	0.547
DC_2A_n12A	4	0	0.666	0.477	1.090	0.763	1.102	0.928	0.665	0.583	0.753	0.852
DC_2A_n38A	1	4	1.055	1.096	1.362	1.233	1.172	1.265	0.683	0.384	0.614	0.661
DC_2A_n41A, DC_25A_n41A	1	4	1.055	1.096	1.362	1.233	1.172	1.265	0.683	0.384	0.614	0.661
DC_2A_n66A	4	1	1.375	1.244	1.413	1.229	0.923	0.652	1.121	1.185	0.751	1.032
DC_2A_n71A	4	0	1.271	1.129	1.105	1.076	0.946	0.699	0.697	1.318	1.145	0.393
DC_2A_n77A, DC_25A_n77A	1	3	1.303	0.755	1.154	0.902	1.170	0.991	1.083	0.644	0.635	0.666
DC_2A_n78A, DC_25A_n78A	1	3	1.303	0.755	1.154	0.902	1.170	0.991	1.083	0.644	0.635	0.666
DC_4A_n5A	4	0	0.887	0.647	1.000	0.820	0.609	0.829	0.396	0.476	0.920	0.817
DC_4A_n7A	4	0	0.775	0.616	0.948	0.832	0.451	0.548	0.262	0.344	0.760	0.732
DC_4A_n38A	1	4	1.050	1.093	1.356	1.230	0.719	1.209	0.582	0.353	0.569	0.587
DC_4A_n41A	1	4	1.050	1.093	1.356	1.230	0.719	1.209	0.582	0.353	0.569	0.587
DC_4A_n78A	1	3	1.298	0.752	1.148	0.899	0.717	0.935	0.982	0.613	0.590	0.592
DC_5A_n2A, DC_26A_n25A	0	4	0.780	0.591	0.964	0.796	0.667	0.923	0.352	1.423	1.111	0.443
DC_5A_n7A	0	4	1.169	1.072	1.505	1.392	0.714	1.074	0.308	0.502	1.154	0.455
DC_5A_n66A	0	4	1.172	0.971	1.168	0.976	0.659	0.897	0.343	0.503	1.066	0.595
DC_5A_n77A, DC_26A_n77A	0	3	1.345	0.714	1.071	0.860	0.805	1.063	0.785	0.764	0.899	0.475
DC_5A_n78A, DC_26A_n78A	0	3	1.345	0.714	1.071	0.860	0.805	1.063	0.785	0.764	0.899	0.475
DC_7A_n2A	4	1	1.094	1.089	1.544	1.462	1.488	1.078	0.887	0.358	0.937	0.766
DC_7A_n5A	4	0	1.131	1.053	1.471	1.426	1.215	0.986	0.460	0.482	1.156	0.653
DC_7A_n25A	4	1	1.094	1.089	1.544	1.462	1.488	1.078	0.887	0.358	0.937	0.766
DC_7A_n66A	4	1	1.225	1.174	1.757	1.566	1.049	0.774	0.875	0.464	0.881	1.053
DC_7A_n71A	4	0	1.121	1.059	1.449	1.413	1.072	0.821	0.451	0.597	1.275	0.414
DC_7A_n77A	0	3	1.173	0.656	0.954	0.834	1.203	0.779	0.878	1.272	0.530	0.639
DC_7A_n78A	0	3	1.173	0.656	0.954	0.834	1.203	0.779	0.878	1.272	0.530	0.639

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

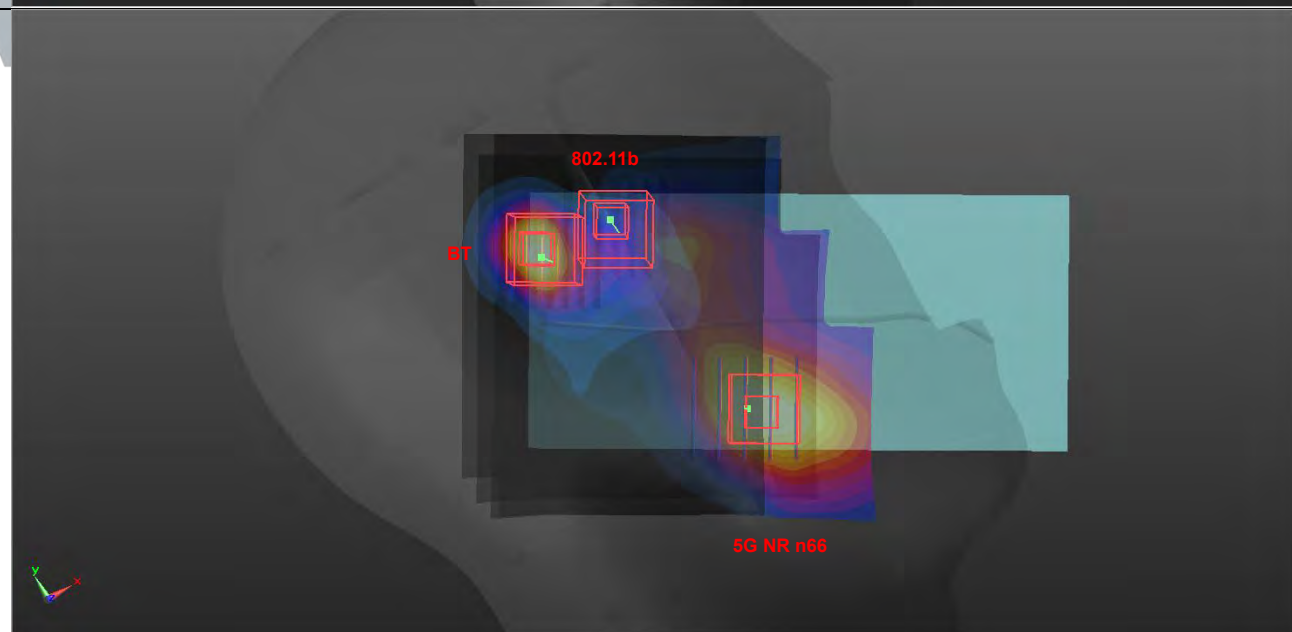
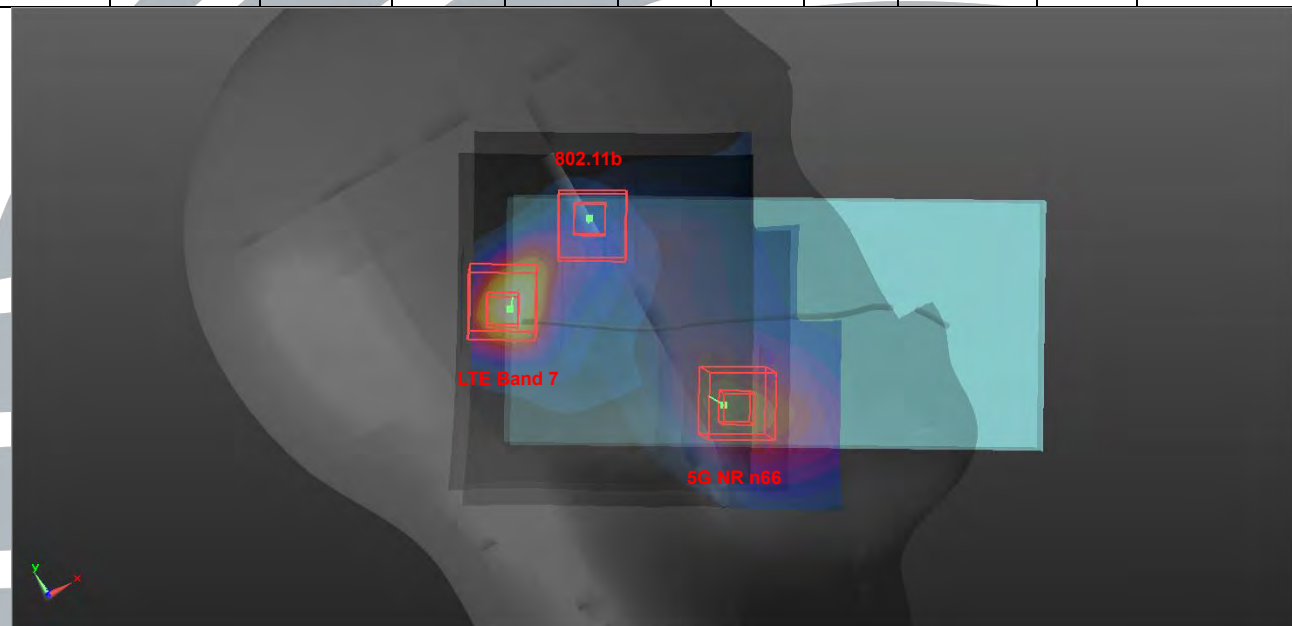
UTTR-SAR-IEEE Std 1528-2013-V1.1

ENDC	Ant.		Head				Body					
	LTE	5G NR	Right Cheek	Right Tilted	Left Cheek	Left Tilted	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
DC_12A_n2A	0	4	0.686	0.569	0.880	0.756	0.445	0.648	0.268	1.235	1.175	0.273
DC_12A_n7A	0	4	1.075	1.050	1.421	1.352	0.492	0.799	0.224	0.314	1.218	0.285
DC_12A_n25A	0	4	0.686	0.569	0.880	0.756	0.445	0.648	0.268	1.235	1.175	0.273
DC_12A_n41A	0	4	1.003	1.033	1.195	1.151	0.585	1.062	0.301	0.316	0.942	0.300
DC_12A_n66A	0	4	1.078	0.949	1.084	0.936	0.437	0.622	0.259	0.315	1.130	0.425
DC_12A_n77A	0	3	1.251	0.692	0.987	0.820	0.583	0.788	0.701	0.576	0.963	0.305
DC_12A_n78A	0	3	1.251	0.692	0.987	0.820	0.583	0.788	0.701	0.576	0.963	0.305
DC_13A_n2A	0	4	0.741	0.576	0.924	0.780	0.558	0.787	0.310	1.331	1.138	0.381
DC_13A_n66A	0	4	1.133	0.956	1.128	0.960	0.550	0.761	0.301	0.411	1.093	0.533
DC_13A_n77A	0	3	1.306	0.699	1.031	0.844	0.696	0.927	0.743	0.672	0.926	0.413
DC_13A_n78A	0	3	1.306	0.699	1.031	0.844	0.696	0.927	0.743	0.672	0.926	0.413
DC_26A_n41A	0	4	1.097	1.055	1.279	1.191	0.807	1.337	0.385	0.504	0.878	0.470
DC_30A_n2A	0	4	0.574	0.532	0.772	0.718	0.500	0.639	0.215	1.314	0.862	0.579
DC_30A_n66A	0	4	0.966	0.912	0.976	0.898	0.492	0.613	0.206	0.394	0.817	0.731
DC_30A_n77A	0	3	1.139	0.655	0.879	0.782	0.638	0.779	0.648	0.655	0.650	0.611
DC_41A_n77A	0	3	1.125	0.632	0.896	0.792	0.922	0.935	0.788	0.819	0.550	0.443
DC_38A_n78A, DC_41A_n78A	0	3	1.125	0.632	0.896	0.792	0.922	0.935	0.788	0.819	0.550	0.443
DC_48A_n2A	3	1	1.317	0.775	1.136	0.864	1.350	1.422	1.111	0.758	0.548	0.830
DC_48A_n5A	3	0	1.354	0.739	1.063	0.828	1.077	1.330	0.684	0.882	0.767	0.717
DC_48A_n66A	3	1	1.448	0.860	1.349	0.968	0.911	1.118	1.099	0.864	0.492	1.117
DC_48A_n71A	3	0	1.344	0.745	1.041	0.815	0.934	1.165	0.675	0.997	0.886	0.478
DC_66A_n12A	4	0	0.809	0.631	0.942	0.787	0.401	0.582	0.266	0.366	0.977	0.511
DC_66A_n25A	4	1	0.850	0.683	1.073	0.856	0.882	0.921	0.823	0.352	0.701	0.930
DC_66A_n2A	4	1	0.850	0.683	1.073	0.856	0.882	0.921	0.823	0.352	0.701	0.930
DC_66A_n38A	1	4	1.050	1.093	1.356	1.230	0.719	1.209	0.582	0.353	0.569	0.587
DC_66A_n41A	1	4	1.050	1.093	1.356	1.230	0.719	1.209	0.582	0.353	0.569	0.587
DC_66A_n5A	4	0	0.887	0.647	1.000	0.820	0.609	0.829	0.396	0.476	0.920	0.817
DC_66A_n71A	4	0	0.877	0.653	0.978	0.807	0.466	0.664	0.387	0.591	1.039	0.578
DC_66A_n77A	1	3	1.298	0.752	1.148	0.899	0.717	0.935	0.982	0.613	0.590	0.592
DC_66A_n78A	1	3	1.298	0.752	1.148	0.899	0.717	0.935	0.982	0.613	0.590	0.592
DC_66A_n7A	4	0	0.775	0.616	0.948	0.832	0.451	0.548	0.262	0.344	0.760	0.732
DC_71A_n2A	0	4	0.710	0.577	0.902	0.767	0.462	0.669	0.274	1.250	1.185	0.383
DC_71A_n41A	0	4	1.027	1.041	1.217	1.162	0.602	1.083	0.307	0.331	0.952	0.410
DC_71A_n66A	0	4	1.102	0.957	1.106	0.947	0.454	0.643	0.265	0.330	1.140	0.535
DC_71A_n78A	0	3	1.275	0.700	1.009	0.831	0.600	0.809	0.707	0.591	0.973	0.415
Highest Simultaneous Transmission SAR (W/kg)			1.566				1.488					

Note: The results marked in red can be seen in the SPLSR analysis.

4.8.5. SAR to Peak Location Separation Ratio Analysis

Band	Mode	Test Position	Channel	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR	Simultaneous Transmission SAR Test
					x	y	z			
LTE Band 7 + 2.4GHz	QPSK20M 1RB49 Ant 4 + DH5 Ant 5	Left Cheek	39 + 21100	1.136	-2.63	4.86	-0.10	17.76 / 82.63/ 42.19	0.01/ 0.01/ 0.01	SPLSR < 0.04, Not required
2.4GHz	802.11b Ant 7		11	0.124	37.25	18.54	-1.56			
5G NR n66	QPSK40M Innter-Full Ant 1		349000	0.497	46.36	-61.67	-1.31			



*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.



APPENDIX A. SAR PLOTS OF SYSTEM VERIFICATION

The plots for system verification with largest deviation for each SAR system combination are shown as follows.



APPENDIX B. SAR PLOTS OF SAR MEASUREMENT

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.



APPENDIX C. CALIBRATION CERTIFICATE FOR PROBE AND DIPOLE

The calibration certificates are shown as follows.



APPENDIX D. PHOTOGRAPHS OF EUT AND SETUP

The photographs of EUT and setup are shown as follows.

