		2547(40160)	18.42	17.59	16.31
		2501 (39700)	18.84	18.03	16.74
	25RB-High (25)	2685 (41540)	17.49	16.48	15.50
		2639(41080)	17.15	16.21	15.25
		2593 (40620)	17.53	16.54	15.62
		2547(40160)	17.30	16.32	15.37
		2501 (39700)	17.77	16.84	15.85
	25RB-Middle (12)	2685 (41540)	17.46	16.50	15.53
		2639(41080)	17.25	16.27	15.30
		2593 (40620)	17.54	16.56	15.58
		2547(40160)	17.35	16.37	15.42
		2501 (39700)	17.76	16.78	15.82
	25RB-Low (0)	2685 (41540)	17.45	16.50	15.50
		2639(41080)	17.22	16.29	15.29
		2593 (40620)	17.54	16.53	15.56
		2547(40160)	17.35	16.34	15.38
		2501 (39700)	17.75	16.77	15.80
	50RB (0)	2685 (41540)	17.47	16.54	15.48
		2639(41080)	17.28	16.26	15.22
		2593 (40620)	17.58	16.59	15.54
		2547(40160)	17.34	16.36	15.30
		2501 (39700)	17.81	16.83	15.80
15MHz	1RB-High (74)	2682.5 (41515)	18.46	17.64	16.37
		2637.8(41068)	18.18	17.38	16.09
		2593 (40620)	18.49	17.69	16.39
		2548.3(40173)	18.31	17.51	16.22
		2503.5 (39725)	18.72	17.91	16.61
	1RB-Middle (37)	2682.5 (41515)	18.45	17.67	16.36
		2637.8(41068)	18.26	17.49	16.20
		2593 (40620)	18.61	17.82	16.56
		2548.3(40173)	18.39	17.60	16.32
		2503.5 (39725)	18.81	18.02	16.73
	1RB-Low (0)	2682.5 (41515)	18.41	17.62	16.31
		2637.8(41068)	18.31	17.52	16.25
		2593 (40620)	18.56	17.77	16.47
		2548.3(40173)	18.40	17.54	16.28
		2503.5 (39725)	18.78	17.99	16.71
	36RB-High (38)	2682.5 (41515)	17.45	16.43	15.42
		2637.8(41068)	17.19	16.15	15.16
		2593 (40620)	17.53	16.54	15.52

		2548.3(40173)	17.28	16.25	15.25
		2503.5 (39725)	17.72	16.69	15.67
	36RB-Middle (19)	2682.5 (41515)	17.42	16.41	15.44
		2637.8(41068)	17.19	16.21	15.20
		2593 (40620)	17.56	16.54	15.55
		2548.3(40173)	17.31	16.31	15.26
		2503.5 (39725)	17.76	16.73	15.72
	36RB-Low (0)	2682.5 (41515)	17.42	16.39	15.41
		2637.8(41068)	17.23	16.24	15.19
		2593 (40620)	17.53	16.49	15.52
		2548.3(40173)	17.31	16.28	15.27
		2503.5 (39725)	17.73	16.74	15.74
	75RB (0)	2682.5 (41515)	17.51	16.48	15.41
		2637.8(41068)	17.25	16.23	15.21
		2593 (40620)	17.56	16.58	15.52
		2548.3(40173)	17.32	16.31	15.30
		2503.5 (39725)	17.75	16.76	15.71
20MHz	1RB-High (99)	2680 (41490)	18.49	17.66	16.37
		2636.5(41055)	18.15	17.34	16.04
		2593 (40620)	18.53	17.68	16.37
		2549.5(40185)	18.29	17.50	16.20
		2506 (39750)	18.68	17.88	16.54
	1RB-Middle (50)	2680 (41490)	18.51	17.71	16.38
		2636.5(41055)	18.33	17.49	16.18
		2593 (40620)	18.66	17.85	16.55
		2549.5(40185)	18.42	17.63	16.29
		2506 (39750)	18.86	18.02	16.74
	1RB-Low (0)	2680 (41490)	18.40	17.56	16.27
		2636.5(41055)	18.37	17.52	16.23
		2593 (40620)	18.57	17.71	16.45
		2549.5(40185)	18.38	17.56	16.24
		2506 (39750)	18.82	17.98	16.66
	50RB-High (50)	2680 (41490)	17.47	16.53	15.44
		2636.5(41055)	17.28	16.27	15.24
		2593 (40620)	17.56	16.56	15.53
		2549.5(40185)	17.35	16.34	15.31
		2506 (39750)	17.79	16.80	15.73
	50RB-Middle (25)	2680 (41490)	17.49	16.56	15.50
		2636.5(41055)	17.31	16.34	15.25
		2593 (40620)	17.64	16.59	15.57

		2549.5(40185)	17.34	16.38	15.31
		2506 (39750)	17.82	16.82	15.77
	50RB-Low (0)	2680 (41490)	17.46	16.47	15.45
		2636.5(41055)	17.29	16.36	15.27
		2593 (40620)	17.56	16.61	15.53
		2549.5(40185)	17.40	16.42	15.32
		2506 (39750)	17.79	16.80	15.72
	100RB (0)	2680 (41490)	17.48	16.48	15.48
		2636.5(41055)	17.29	16.28	15.23
		2593 (40620)	17.53	16.58	15.51
		2549.5(40185)	17.37	16.35	15.28
		2506 (39750)	17.75	16.80	15.73

LTE B41 PC2-Power Level E1

LTE B41 PC2					
BANDWIDTH	**Number of RBs**	**Frequency**	**QPSK**	**16QAM**	**64QAM**
5MHz	1RB-High (24)	2687.5 (41565)	24.54	23.69	22.42
		2640.3(41093)	24.30	23.46	22.18
		2593 (40620)	24.67	23.82	22.52
		2545.8(40148)	24.42	23.56	22.29
		2498.5 (39675)	24.94	24.05	22.78
	1RB-Middle (12)	2687.5 (41565)	24.57	23.69	22.44
		2640.3(41093)	24.38	23.48	22.26
		2593 (40620)	24.72	23.83	22.58
		2545.8(40148)	24.47	23.61	22.34
		2498.5 (39675)	24.98	24.05	22.81
	1RB-Low (0)	2687.5 (41565)	24.55	23.70	22.42
		2640.3(41093)	24.35	23.50	22.23
		2593 (40620)	24.71	23.84	22.55
		2545.8(40148)	24.43	23.56	22.31
		2498.5 (39675)	24.99	24.08	22.79
	12RB-High (13)	2687.5 (41565)	23.45	22.46	21.49
		2640.3(41093)	23.25	22.23	21.26
		2593 (40620)	23.59	22.61	21.63
		2545.8(40148)	23.35	22.34	21.36
		2498.5 (39675)	23.85	22.86	21.86
	12RB-Middle (6)	2687.5 (41565)	23.45	22.48	21.47
		2640.3(41093)	23.22	22.26	21.30
		2593 (40620)	23.60	22.61	21.58
		2545.8(40148)	23.38	22.36	21.38

		2498.5 (39675)	23.85	22.83	21.84
	12RB-Low (0)	2687.5 (41565)	23.50	22.52	21.52
		2640.3(41093)	23.30	22.29	21.31
		2593 (40620)	23.60	22.61	21.64
		2545.8(40148)	23.33	22.35	21.36
		2498.5 (39675)	23.84	22.86	21.85
	25RB (0)	2687.5 (41565)	23.48	22.52	21.49
		2640.3(41093)	23.28	22.30	21.31
		2593 (40620)	23.63	22.65	21.60
		2545.8(40148)	23.36	22.37	21.36
		2498.5 (39675)	23.87	22.90	21.86
10MHz	1RB-High (49)	2685 (41540)	24.49	23.66	22.38
		2639(41080)	24.21	23.39	22.13
		2593 (40620)	24.60	23.76	22.49
		2547(40160)	24.38	23.57	22.30
		2501 (39700)	24.86	24.00	22.70
	1RB-Middle (24)	2685 (41540)	24.54	23.71	22.45
		2639(41080)	24.34	23.52	22.25
		2593 (40620)	24.70	23.85	22.59
		2547(40160)	24.45	23.65	22.36
		2501 (39700)	24.93	24.06	22.80
	1RB-Low (0)	2685 (41540)	24.49	23.68	22.38
		2639(41080)	24.36	23.52	22.23
		2593 (40620)	24.71	23.85	22.57
		2547(40160)	24.42	23.59	22.29
		2501 (39700)	24.94	24.08	22.78
	25RB-High (25)	2685 (41540)	23.46	22.48	21.54
		2639(41080)	23.25	22.23	21.28
		2593 (40620)	23.59	22.60	21.64
		2547(40160)	23.34	22.41	21.39
		2501 (39700)	23.83	22.86	21.87
	25RB-Middle (12)	2685 (41540)	23.47	22.53	21.51
		2639(41080)	23.28	22.33	21.33
		2593 (40620)	23.59	22.62	21.63
		2547(40160)	23.37	22.42	21.42
		2501 (39700)	23.80	22.82	21.83
	25RB-Low (0)	2685 (41540)	23.44	22.51	21.48
		2639(41080)	23.29	22.36	21.34
		2593 (40620)	23.59	22.62	21.63
		2547(40160)	23.33	22.38	21.40
		2501 (39700)	23.83	22.85	21.83
	50RB (0)	2685 (41540)	23.47	22.49	21.45

		2639(41080)	23.33	22.31	21.29
		2593 (40620)	23.65	22.66	21.61
		2547(40160)	23.36	22.39	21.32
		2501 (39700)	23.88	22.89	21.82
15MHz	1RB-High (74)	2682.5 (41515)	24.43	23.62	22.34
		2637.8(41068)	24.20	23.35	22.09
		2593 (40620)	24.54	23.73	22.44
		2548.3(40173)	24.35	23.53	22.25
		2503.5 (39725)	24.76	23.91	22.62
	1RB-Middle (37)	2682.5 (41515)	24.49	23.67	22.38
		2637.8(41068)	24.31	23.48	22.22
		2593 (40620)	24.66	23.86	22.56
		2548.3(40173)	24.41	23.61	22.31
		2503.5 (39725)	24.87	24.02	22.74
	1RB-Low (0)	2682.5 (41515)	24.43	23.60	22.33
		2637.8(41068)	24.34	23.53	22.25
		2593 (40620)	24.65	23.85	22.56
		2548.3(40173)	24.37	23.58	22.29
		2503.5 (39725)	24.90	24.01	22.75
	36RB-High (38)	2682.5 (41515)	23.45	22.44	21.43
		2637.8(41068)	23.23	22.20	21.21
		2593 (40620)	23.57	22.53	21.54
		2548.3(40173)	23.36	22.34	21.31
		2503.5 (39725)	23.78	22.74	21.77
	36RB-Middle (19)	2682.5 (41515)	23.45	22.45	21.40
		2637.8(41068)	23.26	22.28	21.28
		2593 (40620)	23.61	22.59	21.59
		2548.3(40173)	23.39	22.35	21.33
		2503.5 (39725)	23.78	22.77	21.77
	36RB-Low (0)	2682.5 (41515)	23.42	22.42	21.39
		2637.8(41068)	23.32	22.28	21.28
		2593 (40620)	23.62	22.58	21.54
		2548.3(40173)	23.35	22.31	21.32
		2503.5 (39725)	23.81	22.71	21.75
	75RB (0)	2682.5 (41515)	23.45	22.44	21.43
		2637.8(41068)	23.29	22.31	21.30
		2593 (40620)	23.60	22.63	21.59
		2548.3(40173)	23.35	22.36	21.33
		2503.5 (39725)	23.82	22.79	21.78
20MHz	1RB-High (99)	2680 (41490)	24.44	23.58	22.34
		2636.5(41055)	24.20	23.36	22.06
		2593 (40620)	24.53	23.68	22.41

		2549.5(40185)	24.35	23.52	22.21
		2506 (39750)	24.69	23.84	22.59
	1RB-Middle (50)	2680 (41490)	24.54	23.68	22.39
		2636.5(41055)	24.38	23.52	22.26
		2593 (40620)	24.70	23.87	22.57
		2549.5(40185)	24.45	23.63	22.32
		2506 (39750)	24.89	24.03	22.77
	1RB-Low (0)	2680 (41490)	24.40	23.54	22.28
		2636.5(41055)	24.41	23.58	22.29
		2593 (40620)	24.59	23.78	22.48
		2549.5(40185)	24.36	23.55	22.27
		2506 (39750)	24.86	24.02	22.72
	50RB-High (50)	2680 (41490)	23.54	22.53	21.46
		2636.5(41055)	23.27	22.31	21.27
		2593 (40620)	23.61	22.66	21.57
		2549.5(40185)	23.38	22.43	21.36
		2506 (39750)	23.80	22.85	21.79
	50RB-Middle (25)	2680 (41490)	23.55	22.57	21.49
		2636.5(41055)	23.37	22.43	21.36
		2593 (40620)	23.70	22.70	21.71
		2549.5(40185)	23.43	22.47	21.40
		2506 (39750)	23.87	22.86	21.82
	50RB-Low (0)	2680 (41490)	23.49	22.54	21.48
		2636.5(41055)	23.39	22.41	21.34
		2593 (40620)	23.64	22.66	21.59
		2549.5(40185)	23.40	22.43	21.38
		2506 (39750)	23.84	22.84	21.80
	100RB (0)	2680 (41490)	23.54	22.54	21.50
		2636.5(41055)	23.35	22.32	21.32
		2593 (40620)	23.63	22.65	21.60
		2549.5(40185)	23.35	22.42	21.30
		2506 (39750)	23.81	22.82	21.80

LTE B66 ANT1-Power Level A1/C1/D1/E1

LTE B66 ANT1					
BANDWIDTH	**Number of RBs**	**Frequency**	**QPSK**	**16QAM**	**64QAM**
1.4MHz	1RB-High (5)	1779.3 (132665)	23.19	22.32	21.31
		1745 (132322)	23.21	22.44	21.35
		1710.7 (131979)	23.03	22.34	21.10
	1RB-Middle (3)	1779.3 (132665)	23.24	22.51	21.24
		1745 (132322)	23.24	22.60	21.44

		1710.7 (131979)	23.06	22.28	21.23
	1RB-Low (0)	1779.3 (132665)	23.23	22.38	21.24
		1745 (132322)	23.22	22.46	21.41
		1710.7 (131979)	23.03	22.22	21.14
	3RB-High (3)	1779.3 (132665)	23.22	22.22	21.32
		1745 (132322)	23.20	22.25	21.28
		1710.7 (131979)	23.11	22.10	21.14
	3RB-Middle (1)	1779.3 (132665)	23.23	22.21	21.24
		1745 (132322)	23.22	22.21	21.25
		1710.7 (131979)	23.09	22.06	21.15
	3RB-Low (0)	1779.3 (132665)	23.22	22.27	21.22
		1745 (132322)	23.21	22.21	21.29
		1710.7 (131979)	23.05	22.12	21.15
	6RB (0)	1779.3 (132665)	22.17	21.32	20.26
		1745 (132322)	22.23	21.28	20.27
		1710.7 (131979)	22.02	21.15	20.08
3MHz	1RB-High (14)	1778.5 (132657)	23.16	22.33	21.25
		1745 (132322)	23.28	22.53	21.40
		1711.5 (131987)	23.05	22.29	21.16
	1RB-Middle (7)	1778.5 (132657)	23.27	22.44	21.35
		1745 (132322)	23.25	22.49	21.36
		1711.5 (131987)	23.06	22.29	21.25
	1RB-Low (0)	1778.5 (132657)	23.14	22.45	21.36
		1745 (132322)	23.26	22.54	21.40
		1711.5 (131987)	23.07	22.36	21.21
	8RB-High (7)	1778.5 (132657)	22.17	21.22	20.34
		1745 (132322)	22.20	21.20	20.29
		1711.5 (131987)	22.06	21.12	20.19
	8RB-Middle (4)	1778.5 (132657)	22.20	21.22	20.30
		1745 (132322)	22.24	21.27	20.35
		1711.5 (131987)	22.06	21.10	20.20
	8RB-Low (0)	1778.5 (132657)	22.20	21.24	20.37
		1745 (132322)	22.23	21.21	20.38
		1711.5 (131987)	22.07	21.13	20.19
	15RB (0)	1778.5 (132657)	22.21	21.23	20.27
		1745 (132322)	22.21	21.18	20.30
		1711.5 (131987)	22.03	21.07	20.16
5MHz	1RB-High (24)	1777.5 (132647)	23.25	22.35	21.23
		1745 (132322)	23.27	22.52	21.38
		1712.5 (131997)	23.09	22.27	21.30
	1RB-Middle (12)	1777.5 (132647)	23.20	22.42	21.33

		1745 (132322)	23.31	22.50	21.39
		1712.5 (131997)	23.14	22.41	21.17
	1RB-Low (0)	1777.5 (132647)	23.23	22.33	21.34
		1745 (132322)	23.30	22.55	21.41
		1712.5 (131997)	23.09	22.41	21.26
	12RB-High (13)	1777.5 (132647)	22.16	21.09	20.27
		1745 (132322)	22.22	21.21	20.34
		1712.5 (131997)	22.15	21.01	20.15
	12RB-Middle (6)	1777.5 (132647)	22.13	21.19	20.34
		1745 (132322)	22.26	21.16	20.33
		1712.5 (131997)	22.04	21.04	20.22
	12RB-Low (0)	1777.5 (132647)	22.30	21.23	20.36
		1745 (132322)	22.31	21.17	20.42
		1712.5 (131997)	22.11	21.01	20.17
	25RB (0)	1777.5 (132647)	22.20	21.16	20.37
		1745 (132322)	22.28	21.26	20.32
		1712.5 (131997)	22.12	21.08	20.16
10MHz	1RB-High (49)	1775 (132622)	23.23	22.29	21.28
		1745 (132322)	23.23	22.48	21.34
		1715 (132022)	23.12	22.29	21.19
	1RB-Middle (24)	1775 (132622)	23.25	22.39	21.31
		1745 (132322)	23.31	22.55	21.46
		1715 (132022)	23.15	22.36	21.32
	1RB-Low (0)	1775 (132622)	23.16	22.47	21.30
		1745 (132322)	23.18	22.56	21.38
		1715 (132022)	23.09	22.25	21.12
	25RB-High (25)	1775 (132622)	22.17	21.18	20.29
		1745 (132322)	22.28	21.28	20.37
		1715 (132022)	22.12	21.10	20.28
	25RB-Middle (12)	1775 (132622)	22.22	21.18	20.27
		1745 (132322)	22.27	21.24	20.35
		1715 (132022)	22.10	21.14	20.18
	25RB-Low (0)	1775 (132622)	22.19	21.20	20.31
		1745 (132322)	22.20	21.19	20.37
		1715 (132022)	22.09	21.11	20.14
	50RB (0)	1775 (132622)	22.18	21.16	20.25
		1745 (132322)	22.26	21.24	20.36
		1715 (132022)	22.09	21.14	20.26
15MHz	1RB-High (74)	1772.5 (132597)	23.14	22.41	21.27
		1745 (132322)	23.17	22.40	21.31
		1717.5 (132047)	23.11	22.47	21.22

	1RB-Middle (37)	1772.5 (132597)	23.15	22.35	21.31
		1745 (132322)	23.25	22.54	21.38
		1717.5 (132047)	23.05	22.45	21.28
	1RB-Low (0)	1772.5 (132597)	23.20	22.32	21.22
		1745 (132322)	23.22	22.55	21.38
		1717.5 (132047)	23.01	22.29	21.26
	36RB-High (38)	1772.5 (132597)	22.14	21.19	20.23
		1745 (132322)	22.16	21.24	20.28
		1717.5 (132047)	22.17	21.18	20.27
	36RB-Middle (19)	1772.5 (132597)	22.10	21.19	20.27
		1745 (132322)	22.25	21.24	20.31
		1717.5 (132047)	22.10	21.17	20.16
	36RB-Low (0)	1772.5 (132597)	22.17	21.20	20.25
		1745 (132322)	22.13	21.18	20.33
		1717.5 (132047)	22.07	21.04	20.18
	75RB (0)	1772.5 (132597)	22.21	21.17	20.17
		1745 (132322)	22.17	21.25	20.26
		1717.5 (132047)	22.10	21.04	20.24
20MHz	1RB-High (99)	1770 (132572)	23.15	22.34	21.26
		1745 (132322)	23.16	22.43	21.33
		1720 (132072)	23.20	22.38	21.33
	1RB-Middle (50)	1770 (132572)	23.21	22.43	21.28
		1745 (132322)	23.29	22.39	21.39
		1720 (132072)	23.24	22.53	21.35
	1RB-Low (0)	1770 (132572)	23.11	22.33	21.24
		1745 (132322)	23.22	22.42	21.33
		1720 (132072)	23.15	22.35	21.22
	50RB-High (50)	1770 (132572)	22.15	21.11	20.23
		1745 (132322)	22.22	21.19	20.24
		1720 (132072)	22.26	21.28	20.32
	50RB-Middle (25)	1770 (132572)	22.24	21.21	20.28
		1745 (132322)	22.29	21.26	20.34
		1720 (132072)	22.25	21.24	20.33
	50RB-Low (0)	1770 (132572)	22.24	21.22	20.29
		1745 (132322)	22.23	21.25	20.31
		1720 (132072)	22.20	21.17	20.31
	100RB (0)	1770 (132572)	22.18	21.11	20.29
		1745 (132322)	22.23	21.22	20.34
		1720 (132072)	22.23	21.23	20.31

LTE B66 ANT1-Power Level B1/F1

LTE B66 ANT1					
BANDWIDTH	**Number of RBs**	**Frequency**	**QPSK**	**16QAM**	**64QAM**
1.4MHz	1RB-High (5)	1779.3 (132665)	18.99	18.35	17.18
		1745 (132322)	19.06	18.42	17.16
		1710.7 (131979)	18.90	18.09	17.05
	1RB-Middle (3)	1779.3 (132665)	19.03	18.33	17.13
		1745 (132322)	19.00	18.43	17.18
		1710.7 (131979)	18.90	18.15	17.02
	1RB-Low (0)	1779.3 (132665)	19.04	18.34	17.18
		1745 (132322)	19.02	18.34	17.18
		1710.7 (131979)	18.85	18.22	17.02
	3RB-High (3)	1779.3 (132665)	19.08	18.05	17.11
		1745 (132322)	19.06	18.04	17.09
		1710.7 (131979)	18.92	17.97	16.93
	3RB-Middle (1)	1779.3 (132665)	19.04	18.08	17.17
		1745 (132322)	19.07	18.11	17.17
		1710.7 (131979)	18.91	17.94	16.97
	3RB-Low (0)	1779.3 (132665)	19.06	18.01	17.03
		1745 (132322)	19.01	18.03	17.12
		1710.7 (131979)	18.93	17.93	16.92
	6RB (0)	1779.3 (132665)	18.05	17.14	15.90
		1745 (132322)	18.04	17.12	15.98
		1710.7 (131979)	17.95	16.94	15.85
3MHz	1RB-High (14)	1778.5 (132657)	19.00	18.32	17.24
		1745 (132322)	19.01	18.21	17.21
		1711.5 (131987)	18.94	18.09	17.07
	1RB-Middle (7)	1778.5 (132657)	19.03	18.31	17.11
		1745 (132322)	19.05	18.26	17.14
		1711.5 (131987)	18.89	18.30	17.00
	1RB-Low (0)	1778.5 (132657)	19.03	18.29	17.09
		1745 (132322)	19.01	18.29	17.18
		1711.5 (131987)	18.88	18.13	17.02
	8RB-High (7)	1778.5 (132657)	17.97	17.04	15.99
		1745 (132322)	18.06	17.11	16.04
		1711.5 (131987)	17.89	16.94	15.86
	8RB-Middle (4)	1778.5 (132657)	18.00	17.07	16.02
		1745 (132322)	17.99	17.06	15.96
		1711.5 (131987)	17.87	16.96	15.87

	8RB-Low (0)	1778.5 (132657)	18.07	17.08	16.03
		1745 (132322)	18.09	17.14	16.08
		1711.5 (131987)	17.89	16.93	15.91
	15RB (0)	1778.5 (132657)	18.02	17.04	16.00
		1745 (132322)	18.04	17.08	16.03
		1711.5 (131987)	17.91	16.87	15.86
5MHz	1RB-High (24)	1777.5 (132647)	19.05	18.35	17.16
		1745 (132322)	19.10	18.29	17.23
		1712.5 (131997)	18.96	18.29	17.11
	1RB-Middle (12)	1777.5 (132647)	19.04	18.23	17.11
		1745 (132322)	19.12	18.43	17.29
		1712.5 (131997)	18.95	18.19	17.07
	1RB-Low (0)	1777.5 (132647)	18.98	18.36	17.17
		1745 (132322)	19.11	18.33	17.25
		1712.5 (131997)	18.91	18.30	17.03
	12RB-High (13)	1777.5 (132647)	17.94	16.98	15.99
		1745 (132322)	18.10	17.03	16.04
		1712.5 (131997)	17.91	16.96	15.92
	12RB-Middle (6)	1777.5 (132647)	18.04	17.03	16.02
		1745 (132322)	18.07	17.05	16.05
		1712.5 (131997)	17.90	16.87	15.85
	12RB-Low (0)	1777.5 (132647)	18.13	17.04	16.10
		1745 (132322)	18.13	17.06	16.05
		1712.5 (131997)	17.91	16.85	15.89
	25RB (0)	1777.5 (132647)	18.07	17.06	15.99
		1745 (132322)	18.10	17.09	16.07
		1712.5 (131997)	17.95	16.95	15.88
10MHz	1RB-High (49)	1775 (132622)	19.03	18.29	17.17
		1745 (132322)	19.05	18.43	17.27
		1715 (132022)	18.99	18.24	17.11
	1RB-Middle (24)	1775 (132622)	19.04	18.35	17.18
		1745 (132322)	19.13	18.37	17.23
		1715 (132022)	18.97	18.34	17.08
	1RB-Low (0)	1775 (132622)	19.08	18.38	17.19
		1745 (132322)	19.11	18.31	17.23
		1715 (132022)	18.92	18.19	17.13
	25RB-High (25)	1775 (132622)	18.00	17.00	15.98
		1745 (132322)	18.05	17.09	16.06
		1715 (132022)	17.99	16.98	15.94
	25RB-Middle (12)	1775 (132622)	18.07	17.02	15.99

		1745 (132322)	18.08	17.09	16.07
		1715 (132022)	17.97	16.97	15.93
	25RB-Low (0)	1775 (132622)	18.03	17.07	16.03
		1745 (132322)	18.09	17.05	16.10
		1715 (132022)	17.88	16.88	15.87
	50RB (0)	1775 (132622)	18.03	16.99	16.00
		1745 (132322)	18.09	17.04	16.10
		1715 (132022)	17.98	16.99	15.96
15MHz	1RB-High (74)	1772.5 (132597)	18.98	18.23	17.12
		1745 (132322)	19.04	18.26	17.19
		1717.5 (132047)	18.87	18.27	17.04
	1RB-Middle (37)	1772.5 (132597)	19.01	18.32	17.21
		1745 (132322)	19.06	18.34	17.19
		1717.5 (132047)	18.89	18.22	17.10
	1RB-Low (0)	1772.5 (132597)	18.95	18.21	17.17
		1745 (132322)	19.05	18.44	17.24
		1717.5 (132047)	18.89	18.21	16.97
	36RB-High (38)	1772.5 (132597)	17.97	16.96	15.95
		1745 (132322)	18.04	16.98	16.02
		1717.5 (132047)	18.00	16.95	15.94
	36RB-Middle (19)	1772.5 (132597)	17.97	17.01	15.97
		1745 (132322)	18.09	17.08	16.05
		1717.5 (132047)	17.95	16.90	15.93
	36RB-Low (0)	1772.5 (132597)	18.04	16.98	16.00
		1745 (132322)	18.03	17.08	16.05
		1717.5 (132047)	17.85	16.88	15.88
	75RB (0)	1772.5 (132597)	18.01	17.01	15.98
		1745 (132322)	18.09	17.03	16.00
		1717.5 (132047)	17.97	16.87	15.91
20MHz	1RB-High (99)	1770 (132572)	18.93	18.27	17.07
		1745 (132322)	18.91	18.08	16.98
		1720 (132072)	19.01	18.42	17.14
	1RB-Middle (50)	1770 (132572)	18.94	18.29	17.10
		1745 (132322)	19.03	18.25	17.14
		1720 (132072)	19.05	18.29	17.08
	1RB-Low (0)	1770 (132572)	18.92	18.12	17.07
		1745 (132322)	18.98	18.30	17.18
		1720 (132072)	18.94	18.23	17.12
	50RB-High (50)	1770 (132572)	17.93	16.94	15.85
		1745 (132322)	18.04	17.01	15.95

		1720 (132072)	18.05	16.98	16.00
	50RB-Middle (25)	1770 (132572)	18.06	17.00	15.96
		1745 (132322)	18.05	17.07	16.05
		1720 (132072)	18.09	17.10	16.08
	50RB-Low (0)	1770 (132572)	18.09	17.04	16.02
		1745 (132322)	18.11	17.04	15.99
		1720 (132072)	18.04	16.99	15.96
	100RB (0)	1770 (132572)	18.01	16.97	15.88
		1745 (132322)	18.08	17.03	15.96
		1720 (132072)	17.98	16.95	15.96

LTE B66 ANT3-Power Level A1/E1

LTE B66 ANT3					
BANDWIDTH	**Number of RBs**	**Frequency**	**QPSK**	**16QAM**	**64QAM**
1.4MHz	1RB-High (5)	1779.3 (132665)	23.01	22.28	21.22
		1745 (132322)	22.93	22.23	21.14
		1710.7 (131979)	23.02	22.31	21.27
	1RB-Middle (3)	1779.3 (132665)	23.07	22.33	21.23
		1745 (132322)	22.96	22.29	21.15
		1710.7 (131979)	23.03	22.25	21.16
	1RB-Low (0)	1779.3 (132665)	22.99	22.30	21.24
		1745 (132322)	22.93	22.20	21.15
		1710.7 (131979)	23.02	22.28	21.29
	3RB-High (3)	1779.3 (132665)	23.03	22.05	21.15
		1745 (132322)	22.96	21.87	21.03
		1710.7 (131979)	23.06	22.00	21.14
	3RB-Middle (1)	1779.3 (132665)	23.01	21.94	21.11
		1745 (132322)	22.94	21.97	21.09
		1710.7 (131979)	23.03	22.05	21.15
	3RB-Low (0)	1779.3 (132665)	23.02	22.02	21.15
		1745 (132322)	22.95	21.98	21.08
		1710.7 (131979)	23.08	21.98	21.16
	6RB (0)	1779.3 (132665)	22.04	21.12	20.01
		1745 (132322)	21.97	21.08	19.95
		1710.7 (131979)	22.01	21.17	20.03
3MHz	1RB-High (14)	1778.5 (132657)	22.99	22.28	21.30
		1745 (132322)	22.91	22.15	21.03
		1711.5 (131987)	23.00	22.18	21.27
	1RB-Middle (7)	1778.5 (132657)	22.99	22.32	21.26

		1745 (132322)	22.96	22.30	21.16
		1711.5 (131987)	23.03	22.24	21.21
	1RB-Low (0)	1778.5 (132657)	22.94	22.11	21.25
		1745 (132322)	22.91	22.11	21.09
		1711.5 (131987)	23.02	22.25	21.13
	8RB-High (7)	1778.5 (132657)	21.93	21.12	20.06
		1745 (132322)	21.91	21.07	20.00
		1711.5 (131987)	22.00	21.15	20.16
	8RB-Middle (4)	1778.5 (132657)	22.01	21.12	20.11
		1745 (132322)	21.93	21.03	19.96
		1711.5 (131987)	21.99	21.16	20.09
	8RB-Low (0)	1778.5 (132657)	21.95	21.11	20.03
		1745 (132322)	21.96	21.09	20.04
		1711.5 (131987)	22.01	21.15	20.12
	15RB (0)	1778.5 (132657)	22.01	21.11	20.01
		1745 (132322)	21.90	20.95	19.97
		1711.5 (131987)	22.00	21.11	20.11
5MHz	1RB-High (24)	1777.5 (132647)	23.04	22.14	21.26
		1745 (132322)	22.95	22.23	21.09
		1712.5 (131997)	23.06	22.33	21.25
	1RB-Middle (12)	1777.5 (132647)	23.02	22.35	21.15
		1745 (132322)	23.00	22.28	21.16
		1712.5 (131997)	23.12	22.29	21.30
	1RB-Low (0)	1777.5 (132647)	22.98	22.11	21.18
		1745 (132322)	22.97	22.25	21.13
		1712.5 (131997)	23.04	22.29	21.29
	12RB-High (13)	1777.5 (132647)	21.94	21.07	20.03
		1745 (132322)	21.89	20.96	20.01
		1712.5 (131997)	22.00	21.14	20.09
	12RB-Middle (6)	1777.5 (132647)	21.98	21.03	20.08
		1745 (132322)	21.94	21.04	20.00
		1712.5 (131997)	22.07	21.10	20.13
	12RB-Low (0)	1777.5 (132647)	22.05	21.09	20.16
		1745 (132322)	21.95	20.99	20.03
		1712.5 (131997)	22.05	21.12	20.11
	25RB (0)	1777.5 (132647)	22.02	21.06	20.03
		1745 (132322)	21.92	21.01	20.03
		1712.5 (131997)	22.06	21.07	20.09
10MHz	1RB-High (49)	1775 (132622)	23.01	22.16	21.21
		1745 (132322)	22.92	22.21	21.15

		1715 (132022)	23.09	22.35	21.32
	1RB-Middle (24)	1775 (132622)	23.00	22.24	21.20
		1745 (132322)	22.97	22.33	21.18
		1715 (132022)	23.11	22.40	21.25
	1RB-Low (0)	1775 (132622)	22.91	22.24	21.18
		1745 (132322)	23.00	22.13	21.21
		1715 (132022)	23.04	22.19	21.19
	25RB-High (25)	1775 (132622)	21.96	21.03	20.05
		1745 (132322)	21.97	21.03	20.08
		1715 (132022)	22.06	21.16	20.14
	25RB-Middle (12)	1775 (132622)	21.95	21.06	20.02
		1745 (132322)	21.92	21.03	20.00
		1715 (132022)	22.05	21.09	20.12
	25RB-Low (0)	1775 (132622)	21.96	21.05	20.04
		1745 (132322)	21.93	21.01	19.98
		1715 (132022)	21.99	21.14	20.14
	50RB (0)	1775 (132622)	21.97	21.01	20.04
		1745 (132322)	22.00	21.05	20.00
		1715 (132022)	22.12	21.18	20.15
15MHz	1RB-High (74)	1772.5 (132597)	22.96	22.23	21.12
		1745 (132322)	22.88	22.08	20.99
		1717.5 (132047)	23.01	22.28	21.21
	1RB-Middle (37)	1772.5 (132597)	22.96	22.24	21.08
		1745 (132322)	22.97	22.27	21.16
		1717.5 (132047)	23.05	22.37	21.25
	1RB-Low (0)	1772.5 (132597)	22.89	22.22	21.12
		1745 (132322)	22.94	22.14	21.13
		1717.5 (132047)	22.98	22.24	21.20
	36RB-High (38)	1772.5 (132597)	21.92	21.03	20.02
		1745 (132322)	21.94	21.02	20.03
		1717.5 (132047)	21.98	21.10	20.11
	36RB-Middle (19)	1772.5 (132597)	21.94	21.01	20.04
		1745 (132322)	21.91	21.04	20.03
		1717.5 (132047)	22.05	21.07	20.12
	36RB-Low (0)	1772.5 (132597)	21.96	20.96	20.05
		1745 (132322)	21.94	20.96	20.05
		1717.5 (132047)	22.00	21.10	20.10
	75RB (0)	1772.5 (132597)	21.95	21.01	20.01
		1745 (132322)	21.99	21.02	20.04
		1717.5 (132047)	22.01	21.07	20.11

20MHz	1RB-High (99)	1770 (132572)	22.98	22.18	21.13
		1745 (132322)	22.85	22.04	21.10
		1720 (132072)	22.84	22.10	21.05
	1RB-Middle (50)	1770 (132572)	22.98	22.22	21.17
		1745 (132322)	23.02	22.20	21.16
		1720 (132072)	23.09	22.25	21.27
	1RB-Low (0)	1770 (132572)	22.87	22.04	21.13
		1745 (132322)	22.94	22.08	21.12
		1720 (132072)	22.95	22.21	21.17
	50RB-High (50)	1770 (132572)	21.94	21.00	20.00
		1745 (132322)	21.99	20.98	19.95
		1720 (132072)	21.95	20.99	20.02
	50RB-Middle (25)	1770 (132572)	22.00	21.13	20.07
		1745 (132322)	21.99	21.02	20.00
		1720 (132072)	22.00	21.12	20.10
	50RB-Low (0)	1770 (132572)	22.08	21.13	20.17
		1745 (132322)	21.98	21.05	19.99
		1720 (132072)	22.09	21.12	20.03
	100RB (0)	1770 (132572)	22.03	21.01	20.07
		1745 (132322)	21.99	20.96	19.95
		1720 (132072)	22.02	20.99	20.04

LTE B66 ANT3-Power Level B1/F1

LTE B66 ANT3					
1.4MHz	1RB-High (5)	1779.3 (132665)	21.14	20.49	19.40
		1745 (132322)	21.09	20.41	19.27
		1710.7 (131979)	21.21	20.55	19.33
	1RB-Middle (3)	1779.3 (132665)	21.20	20.48	19.40
		1745 (132322)	21.11	20.45	19.33
		1710.7 (131979)	21.19	20.54	19.39
	1RB-Low (0)	1779.3 (132665)	21.18	20.45	19.25
		1745 (132322)	21.10	20.43	19.22
		1710.7 (131979)	21.21	20.55	19.41
	3RB-High (3)	1779.3 (132665)	21.21	20.19	19.21
		1745 (132322)	21.12	20.10	19.13
		1710.7 (131979)	21.20	20.21	19.35
	3RB-Middle (1)	1779.3 (132665)	21.19	20.15	19.29
		1745 (132322)	21.11	20.16	19.18
		1710.7 (131979)	21.23	20.15	19.32
	3RB-Low (0)	1779.3 (132665)	21.17	20.21	19.27

		1745 (132322)	21.09	20.16	19.17
		1710.7 (131979)	21.23	20.20	19.35
	6RB (0)	1779.3 (132665)	20.20	19.20	18.17
		1745 (132322)	20.12	19.17	18.08
		1710.7 (131979)	20.25	19.29	18.18
3MHz	1RB-High (14)	1778.5 (132657)	21.19	20.50	19.27
		1745 (132322)	21.10	20.30	19.19
		1711.5 (131987)	21.26	20.59	19.33
	1RB-Middle (7)	1778.5 (132657)	21.13	20.44	19.39
		1745 (132322)	21.07	20.47	19.27
		1711.5 (131987)	21.24	20.61	19.43
	1RB-Low (0)	1778.5 (132657)	21.13	20.49	19.32
		1745 (132322)	21.09	20.33	19.27
		1711.5 (131987)	21.21	20.47	19.32
	8RB-High (7)	1778.5 (132657)	20.20	19.19	18.13
		1745 (132322)	20.09	19.09	18.13
		1711.5 (131987)	20.27	19.28	18.18
	8RB-Middle (4)	1778.5 (132657)	20.16	19.27	18.19
		1745 (132322)	20.04	19.13	18.07
		1711.5 (131987)	20.16	19.23	18.24
	8RB-Low (0)	1778.5 (132657)	20.17	19.16	18.12
		1745 (132322)	20.13	19.12	18.09
		1711.5 (131987)	20.22	19.27	18.16
	15RB (0)	1778.5 (132657)	20.17	19.21	18.11
		1745 (132322)	20.05	19.06	18.06
		1711.5 (131987)	20.17	19.21	18.17
5MHz	1RB-High (24)	1777.5 (132647)	21.23	20.53	19.35
		1745 (132322)	21.11	20.30	19.19
		1712.5 (131997)	21.31	20.67	19.40
	1RB-Middle (12)	1777.5 (132647)	21.15	20.39	19.30
		1745 (132322)	21.14	20.41	19.27
		1712.5 (131997)	21.27	20.59	19.39
	1RB-Low (0)	1777.5 (132647)	21.16	20.40	19.26
		1745 (132322)	21.15	20.50	19.32
		1712.5 (131997)	21.26	20.61	19.43
	12RB-High (13)	1777.5 (132647)	20.18	19.16	18.15
		1745 (132322)	20.05	19.03	18.07
		1712.5 (131997)	20.26	19.19	18.23
	12RB-Middle (6)	1777.5 (132647)	20.16	19.16	18.15
		1745 (132322)	20.12	19.13	18.11

		1712.5 (131997)	20.22	19.23	18.24
	12RB-Low (0)	1777.5 (132647)	20.19	19.17	18.24
		1745 (132322)	20.13	19.13	18.12
		1712.5 (131997)	20.28	19.21	18.25
	25RB (0)	1777.5 (132647)	20.15	19.18	18.16
		1745 (132322)	20.11	19.09	18.07
		1712.5 (131997)	20.30	19.28	18.19
10MHz	1RB-High (49)	1775 (132622)	21.17	20.45	19.35
		1745 (132322)	21.07	20.34	19.20
		1715 (132022)	21.27	20.61	19.36
	1RB-Middle (24)	1775 (132622)	21.15	20.42	19.30
		1745 (132322)	21.15	20.32	19.30
		1715 (132022)	21.36	20.68	19.50
	1RB-Low (0)	1775 (132622)	21.14	20.42	19.28
		1745 (132322)	21.15	20.55	19.23
		1715 (132022)	21.25	20.60	19.37
	25RB-High (25)	1775 (132622)	20.15	19.15	18.13
		1745 (132322)	20.20	19.13	18.19
		1715 (132022)	20.33	19.35	18.32
	25RB-Middle (12)	1775 (132622)	20.19	19.12	18.17
		1745 (132322)	20.11	19.12	18.10
		1715 (132022)	20.29	19.20	18.23
	25RB-Low (0)	1775 (132622)	20.17	19.17	18.18
		1745 (132322)	20.14	19.12	18.06
		1715 (132022)	20.22	19.19	18.19
	50RB (0)	1775 (132622)	20.18	19.12	18.11
		1745 (132322)	20.15	19.13	18.08
		1715 (132022)	20.30	19.26	18.25
15MHz	1RB-High (74)	1772.5 (132597)	21.10	20.51	19.21
		1745 (132322)	20.99	20.30	19.26
		1717.5 (132047)	21.17	20.50	19.30
	1RB-Middle (37)	1772.5 (132597)	21.13	20.46	19.29
		1745 (132322)	21.09	20.38	19.27
		1717.5 (132047)	21.28	20.68	19.35
	1RB-Low (0)	1772.5 (132597)	21.11	20.40	19.30
		1745 (132322)	21.12	20.33	19.33
		1717.5 (132047)	21.18	20.36	19.38
	36RB-High (38)	1772.5 (132597)	20.15	19.10	18.13
		1745 (132322)	20.01	19.12	18.09
		1717.5 (132047)	20.26	19.24	18.22

	36RB-Middle (19)	1772.5 (132597)	20.08	19.07	18.11
		1745 (132322)	20.08	19.05	18.12
		1717.5 (132047)	20.25	19.26	18.25
	36RB-Low (0)	1772.5 (132597)	20.16	19.10	18.08
		1745 (132322)	20.13	19.06	18.07
		1717.5 (132047)	20.21	19.23	18.17
	75RB (0)	1772.5 (132597)	20.08	19.09	18.07
		1745 (132322)	20.06	19.02	18.06
		1717.5 (132047)	20.27	19.25	18.17
20MHz	1RB-High (99)	1770 (132572)	20.95	20.29	19.09
		1745 (132322)	20.80	20.13	18.99
		1720 (132072)	20.91	20.28	19.10
	1RB-Middle (50)	1770 (132572)	20.93	20.19	19.08
		1745 (132322)	20.89	20.20	19.06
		1720 (132072)	21.08	20.41	19.20
	1RB-Low (0)	1770 (132572)	20.84	20.16	18.91
		1745 (132322)	20.90	20.18	19.06
		1720 (132072)	20.93	20.18	19.06
	50RB-High (50)	1770 (132572)	19.92	18.91	17.88
		1745 (132322)	19.94	18.87	17.89
		1720 (132072)	19.97	18.96	17.93
	50RB-Middle (25)	1770 (132572)	20.00	18.89	17.92
		1745 (132322)	19.90	18.88	17.86
		1720 (132072)	20.11	19.02	18.02
	50RB-Low (0)	1770 (132572)	19.98	18.96	17.93
		1745 (132322)	19.84	18.86	17.79
		1720 (132072)	20.06	19.04	17.99
	100RB (0)	1770 (132572)	19.93	18.87	17.90
		1745 (132322)	19.88	18.86	17.84
		1720 (132072)	20.04	18.96	17.93

LTE B66 ANT3-Power Level C1/D1

LTE B66 ANT3					
BANDWIDTH	**Number of RBs**	**Frequency**	**QPSK**	**16QAM**	**64QAM**
1.4MHz	1RB-High (5)	1779.3 (132665)	15.14	14.46	13.30
		1745 (132322)	15.04	14.27	13.15
		1710.7 (131979)	15.15	14.49	13.30
	1RB-Middle (3)	1779.3 (132665)	15.13	14.44	13.24
		1745 (132322)	15.06	14.33	13.16
		1710.7 (131979)	15.20	14.61	13.34

	1RB-Low (0)	1779.3 (132665)	15.08	14.46	13.29
		1745 (132322)	15.07	14.25	13.29
		1710.7 (131979)	15.17	14.58	13.42
	3RB-High (3)	1779.3 (132665)	15.18	14.11	13.28
		1745 (132322)	15.04	14.09	13.12
		1710.7 (131979)	15.26	14.20	13.26
	3RB-Middle (1)	1779.3 (132665)	15.18	14.12	13.24
		1745 (132322)	15.11	14.08	13.14
		1710.7 (131979)	15.23	14.18	13.31
	3RB-Low (0)	1779.3 (132665)	15.14	14.17	13.29
		1745 (132322)	15.06	14.06	13.22
		1710.7 (131979)	15.24	14.27	13.32
	6RB (0)	1779.3 (132665)	14.16	13.20	12.17
		1745 (132322)	14.10	13.18	12.00
		1710.7 (131979)	14.24	13.26	12.19
3MHz	1RB-High (14)	1778.5 (132657)	15.07	14.54	13.33
		1745 (132322)	15.07	14.41	13.23
		1711.5 (131987)	15.22	14.58	13.32
	1RB-Middle (7)	1778.5 (132657)	15.09	14.40	13.37
		1745 (132322)	15.10	14.35	13.29
		1711.5 (131987)	15.22	14.55	13.43
	1RB-Low (0)	1778.5 (132657)	15.12	14.48	13.21
		1745 (132322)	15.05	14.38	13.17
		1711.5 (131987)	15.21	14.46	13.41
	8RB-High (7)	1778.5 (132657)	14.10	13.18	12.13
		1745 (132322)	14.06	13.10	12.04
		1711.5 (131987)	14.19	13.19	12.21
	8RB-Middle (4)	1778.5 (132657)	14.18	13.20	12.16
		1745 (132322)	14.04	13.10	12.03
		1711.5 (131987)	14.22	13.21	12.22
	8RB-Low (0)	1778.5 (132657)	14.13	13.21	12.19
		1745 (132322)	14.05	13.11	12.10
		1711.5 (131987)	14.19	13.26	12.23
	15RB (0)	1778.5 (132657)	14.13	13.13	12.11
		1745 (132322)	13.99	13.01	12.01
		1711.5 (131987)	14.22	13.24	12.15
5MHz	1RB-High (24)	1777.5 (132647)	15.11	14.55	13.35
		1745 (132322)	15.08	14.39	13.24
		1712.5 (131997)	15.25	14.47	13.40
	1RB-Middle (12)	1777.5 (132647)	15.22	14.44	13.40

		1745 (132322)	15.13	14.47	13.28
		1712.5 (131997)	15.21	14.59	13.50
	1RB-Low (0)	1777.5 (132647)	15.09	14.35	13.27
		1745 (132322)	15.07	14.42	13.29
		1712.5 (131997)	15.19	14.50	13.32
	12RB-High (13)	1777.5 (132647)	14.10	13.07	12.14
		1745 (132322)	14.05	13.05	12.09
		1712.5 (131997)	14.22	13.18	12.24
	12RB-Middle (6)	1777.5 (132647)	14.22	13.17	12.16
		1745 (132322)	14.14	13.11	12.08
		1712.5 (131997)	14.22	13.20	12.25
	12RB-Low (0)	1777.5 (132647)	14.19	13.20	12.22
		1745 (132322)	14.08	13.08	12.11
		1712.5 (131997)	14.26	13.24	12.19
	25RB (0)	1777.5 (132647)	14.16	13.17	12.14
		1745 (132322)	14.05	13.05	12.05
		1712.5 (131997)	14.22	13.22	12.19
10MHz	1RB-High (49)	1775 (132622)	15.10	14.47	13.32
		1745 (132322)	15.04	14.38	13.11
		1715 (132022)	15.20	14.57	13.39
	1RB-Middle (24)	1775 (132622)	15.15	14.41	13.29
		1745 (132322)	15.08	14.46	13.28
		1715 (132022)	15.29	14.53	13.47
	1RB-Low (0)	1775 (132622)	15.11	14.40	13.21
		1745 (132322)	15.06	14.45	13.29
		1715 (132022)	15.24	14.46	13.41
	25RB-High (25)	1775 (132622)	14.13	13.05	12.09
		1745 (132322)	14.08	13.15	12.13
		1715 (132022)	14.15	13.20	12.13
	25RB-Middle (12)	1775 (132622)	14.18	13.23	12.14
		1745 (132322)	14.15	13.08	12.08
		1715 (132022)	14.24	13.25	12.19
	25RB-Low (0)	1775 (132622)	14.16	13.13	12.13
		1745 (132322)	14.09	13.12	12.05
		1715 (132022)	14.26	13.27	12.18
	50RB (0)	1775 (132622)	14.16	13.07	12.10
		1745 (132322)	14.10	13.13	12.10
		1715 (132022)	14.25	13.18	12.18
15MHz	1RB-High (74)	1772.5 (132597)	15.13	14.39	13.27
		1745 (132322)	15.02	14.40	13.21

		1717.5 (132047)	15.11	14.47	13.30
	1RB-Middle (37)	1772.5 (132597)	15.12	14.39	13.28
		1745 (132322)	15.09	14.34	13.32
		1717.5 (132047)	15.16	14.55	13.27
	1RB-Low (0)	1772.5 (132597)	15.04	14.27	13.19
		1745 (132322)	15.10	14.40	13.28
		1717.5 (132047)	15.13	14.48	13.33
	36RB-High (38)	1772.5 (132597)	14.13	13.08	12.10
		1745 (132322)	14.06	13.00	12.05
		1717.5 (132047)	14.12	13.12	12.12
	36RB-Middle (19)	1772.5 (132597)	14.15	13.08	12.16
		1745 (132322)	14.13	13.08	12.10
		1717.5 (132047)	14.16	13.17	12.20
	36RB-Low (0)	1772.5 (132597)	14.10	13.04	12.05
		1745 (132322)	14.08	13.04	12.05
		1717.5 (132047)	14.19	13.18	12.16
	75RB (0)	1772.5 (132597)	14.14	13.14	12.10
		1745 (132322)	14.08	13.06	12.04
		1717.5 (132047)	14.24	13.16	12.17
20MHz	1RB-High (99)	1770 (132572)	14.91	14.14	13.09
		1745 (132322)	14.75	14.09	12.91
		1720 (132072)	14.85	14.12	13.11
	1RB-Middle (50)	1770 (132572)	14.93	14.17	13.09
		1745 (132322)	14.88	14.13	13.10
		1720 (132072)	14.98	14.16	13.10
	1RB-Low (0)	1770 (132572)	14.80	14.10	12.98
		1745 (132322)	14.81	14.03	12.92
		1720 (132072)	14.96	14.24	13.08
	50RB-High (50)	1770 (132572)	13.93	12.93	11.84
		1745 (132322)	13.85	12.86	11.84
		1720 (132072)	13.96	12.92	11.91
	50RB-Middle (25)	1770 (132572)	13.96	12.98	11.95
		1745 (132322)	13.95	12.85	11.85
		1720 (132072)	13.99	12.92	11.93
	50RB-Low (0)	1770 (132572)	13.92	12.89	11.92
		1745 (132322)	13.85	12.81	11.80
		1720 (132072)	13.96	13.04	11.95
	100RB (0)	1770 (132572)	13.95	12.86	11.91
		1745 (132322)	13.83	12.82	11.75
		1720 (132072)	13.95	12.98	11.95

LTE B71-Power Level A1/B1/C1/D1/E1/F1

LTE B71 ANT0					
BANDWIDTH	**Number of RBs**	**Frequency**	**QPSK**	**16QAM**	**64QAM**
5MHz	1RB-High (24)	695.5 (133447)	23.23	22.48	21.32
		680.5 (133297)	23.25	22.46	21.30
		665.5 (133147)	23.22	22.42	21.28
	1RB-Middle (12)	695.5 (133447)	23.23	22.37	21.34
		680.5 (133297)	23.28	22.51	21.38
		665.5 (133147)	23.26	22.49	21.42
	1RB-Low (0)	695.5 (133447)	23.24	22.40	21.37
		680.5 (133297)	23.25	22.38	21.39
		665.5 (133147)	23.28	22.45	21.30
	12RB-High (13)	695.5 (133447)	22.21	21.20	20.14
		680.5 (133297)	22.22	21.19	20.32
		665.5 (133147)	22.22	21.20	20.32
	12RB-Middle (6)	695.5 (133447)	22.20	21.15	20.15
		680.5 (133297)	22.23	21.20	20.32
		665.5 (133147)	22.23	21.24	20.35
	12RB-Low (0)	695.5 (133447)	22.27	21.24	20.26
		680.5 (133297)	22.22	21.19	20.29
		665.5 (133147)	22.16	21.12	20.29
	25RB (0)	695.5 (133447)	22.22	21.21	20.14
		680.5 (133297)	22.27	21.23	20.35
		665.5 (133147)	22.20	21.24	20.30
10MHz	1RB-High (49)	693 (133422)	23.10	22.40	21.33
		680.5 (133297)	23.16	22.31	21.25
		668 (133172)	23.16	22.47	21.30
	1RB-Middle (24)	693 (133422)	23.15	22.43	21.33
		680.5 (133297)	23.24	22.46	21.33
		668 (133172)	23.26	22.52	21.38
	1RB-Low (0)	693 (133422)	23.15	22.43	21.33
		680.5 (133297)	23.21	22.56	21.36
		668 (133172)	23.21	22.42	21.31
	25RB-High (25)	693 (133422)	22.17	21.23	20.19
		680.5 (133297)	22.12	21.20	20.25
		668 (133172)	22.19	21.24	20.29
	25RB-Middle (12)	693 (133422)	22.12	21.23	20.14
		680.5 (133297)	22.12	21.23	20.34
		668 (133172)	22.25	21.25	20.33

	25RB-Low (0)	693 (133422)	22.21	21.24	20.22
		680.5 (133297)	22.17	21.21	20.27
		668 (133172)	22.16	21.15	20.18
	50RB (0)	693 (133422)	22.17	21.21	20.20
		680.5 (133297)	22.20	21.19	20.31
		668 (133172)	22.18	21.19	20.27
15MHz	1RB-High (74)	690.5 (133397)	23.05	22.38	21.14
		680.5 (133297)	23.10	22.37	21.17
		670.5 (133197)	23.17	22.38	21.35
	1RB-Middle (37)	690.5 (133397)	23.15	22.40	21.25
		680.5 (133297)	23.19	22.41	21.33
		670.5 (133197)	23.20	22.56	21.40
	1RB-Low (0)	690.5 (133397)	23.15	22.31	21.30
		680.5 (133297)	23.23	22.44	21.35
		670.5 (133197)	23.18	22.34	21.37
	36RB-High (38)	690.5 (133397)	22.10	21.10	20.19
		680.5 (133297)	22.14	21.18	20.28
		670.5 (133197)	22.16	21.16	20.34
	36RB-Middle (19)	690.5 (133397)	22.18	21.18	20.20
		680.5 (133297)	22.16	21.13	20.22
		670.5 (133197)	22.17	21.21	20.32
	36RB-Low (0)	690.5 (133397)	22.16	21.17	20.38
		680.5 (133297)	22.18	21.18	20.33
		670.5 (133197)	22.17	21.19	20.32
	75RB (0)	690.5 (133397)	22.16	21.21	20.18
		680.5 (133297)	22.17	21.13	20.29
		670.5 (133197)	22.17	21.18	20.24
20MHz	1RB-High (99)	688 (133372)	23.23	22.48	21.27
		683 (133322)	23.18	22.46	21.35
		673 (133222)	23.17	22.34	21.35
	1RB-Middle (50)	688 (133372)	23.25	22.55	21.33
		683 (133322)	23.27	22.50	21.42
		673 (133222)	23.35	22.60	21.39
	1RB-Low (0)	688 (133372)	23.25	22.53	21.41
		683 (133322)	23.30	22.48	21.41
		673 (133222)	23.29	22.54	21.37
	50RB-High (50)	688 (133372)	22.23	21.27	20.19
		683 (133322)	22.23	21.21	20.27
		673 (133222)	22.31	21.28	20.37
	50RB-Middle (25)	688 (133372)	22.26	21.28	20.36

		683 (133322)	22.30	21.23	20.36
		673 (133222)	22.32	21.24	20.38
	50RB-Low (0)	688 (133372)	22.30	21.29	20.37
		683 (133322)	22.30	21.24	20.39
		673 (133222)	22.28	21.23	20.33
	100RB (0)	688 (133372)	22.28	21.26	20.37
		683 (133322)	22.20	21.19	20.33
		673 (133222)	22.25	21.21	20.35

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive. SAR test is not required since maximum output power when downlink carrier aggregation active is not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

The device supports Intra-band uplink LTE Carrier Aggregation (CA) CA_B41C. The conducted power measurement results of LTE CA are provided as follow.
All other uplink communications are identical to the release 8 specifications. Other LTE Rel.10 or higher features are not supported, including Enhanced SC-FDMA or Uplink MIMO etc.

The conducted power measurement results of LTE downlink CA are as below:

DL LTE CA Class	PCC								SCC			Power		
	PCC Band	PCC Band width (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Band width (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power(dBm)	Tune-up
2A-4A	2	20	1	50	1	99	19100	1100	4	20	2175	23.17	22.94	24.5
2A-66A	2	20	1	50	1	99	19100	1100	66	20	66886	23.17	23.07	24.5
2A-12A	2	20	1	50	1	99	19100	1100	12	10	5095	23.17	22.9	24.5
2A-2A	2	20	1	50	1	0	18700	700	2	5	1175	23.15	23.02	24.5
2C	2	20	1	50	1	0	18700	700	2	5	817	23.15	22.9	24.5
2A-5A	2	20	1	50	1	99	19100	1100	5	10	2525	23.17	22.95	24.5
2A-71A	2	20	1	50	1	99	19100	1100	71	20	68761	23.17	23.07	24.5
5A-66A	5	10	1	24	1	50	20525	2525	66	20	66886	23.19	23.09	24.5
12A-66A	12	10	1	0	1	0	23130	5130	66	20	66886	23.15	22.85	24.5
41A-41A	41	20	1	0	1	0	39750	39750	41	5	41565	24.16	23.97	24.5
41C	41	20	1	0	1	0	39750	39750	41	5	39867	24.16	24.04	24.5
25A-25A	25	20	1	50	1	50	26590	8590	25	5	8665	23.2	22.97	24.5
25A-26A	25	20	1	50	1	50	26590	8590	26	15	8865	23.2	23.02	24.5
66A-66A	66	20	1	50	1	50	132072	66536	66	20	67311	23.24	23.12	24.5
66B	66	10	1	50	1	50	132572	67036	65	5	67108	23.21	23.08	24.5
66C	66	20	1	50	1	50	132072	66536	66	5	66680	23.24	23.02	24.5
66A-71A	66	20	1	50	1	50	132322	66786	71	20	68761	23.29	23.08	24.5
25A-41A	25	20	1	50	1	50	26590	8590	41	20	40620	23.2	23.06	24.5
66A-2A	66	20	1	50	1	50	132322	66786	2	20	900	23.24	23.03	24.5
12A-2A	12	10	1	0	1	0	23130	5130	2	20	900	23.15	22.86	24.5
5A-2A	5	10	1	0	1	0	20525	2525	2	20	900	23.19	22.96	24.5
71A-2A	71	20	1	50	1	50	133222	68686	2	20	900	23.35	23.14	24.5
12A-4A	12	10	1	0	1	0	23130	5130	4	20	2175	23.15	23.04	24.5
5A-4A	5	10	1	0	1	0	20525	2525	4	20	2175	23.19	23.07	24.5
71A-4A	71	20	1	50	1	50	133222	68686	4	20	2175	23.35	23.19	24.5

66A-5A	66	20	1	50	1	50	132322	66786	5	10	2525	23.24	23.04	24.5
66A-12A	66	20	1	50	1	50	132322	66786	12	10	5095	23.24	22.98	24.5
26A-25A	26	15	1	0	1	36	26965	8965	25	20	8365	23.11	22.88	24.5
71A-66A	71	20	1	50	1	50	133222	68686	66	20	66886	23.35	23.07	24.5
41A-25A	41	20	1	50	1	0	39750	39750	25	15	8365	24.16	24.05	24.5

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

The conducted power measurement results of LTE uplink CA are as below :

41C-Power Level A1									
UL LTE CA Class	PCC				SCC				
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power（dBm）
CA_41C	20M	39750	1	99	5M	39867	1	0	23.35
CA_41C	15M	39725	1	74	10M	39845	1	0	23.37
CA_41C	20M	39750	1	99	10M	39894	1	0	23.36
CA_41C	20M	39750	1	99	15M	39921	1	0	23.41
CA_41C	20M	39750	1	99	20M	39948	1	0	23.42
CA_41C	20M	41490	1	0	5M	41373	1	24	22.99
CA_41C	15M	41515	1	0	10M	41395	1	49	23.18
CA_41C	20M	41490	1	0	10M	41346	1	49	23.08
CA_41C	15M	41515	1	0	15M	41365	1	74	23.28
CA_41C	20M	41490	1	0	15M	41319	1	74	23.14
CA_41C	20M	41490	1	0	20M	41292	1	99	23.07

41C-Power Level B1/F1									
UL LTE CA Class	PCC				SCC				
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power（dBm）
CA_41C	20M	39750	1	99	5M	39867	1	0	18.43
CA_41C	15M	39725	1	74	10M	39845	1	0	18.47
CA_41C	20M	39750	1	99	10M	39894	1	0	18.45
CA_41C	20M	39750	1	99	15M	39921	1	0	18.54
CA_41C	20M	39750	1	99	20M	39948	1	0	18.46
CA_41C	20M	41490	1	0	5M	41373	1	99	17.97
CA_41C	15M	41515	1	0	10M	41395	1	99	17.99
CA_41C	20M	41490	1	0	10M	41346	1	99	17.95
CA_41C	15M	41515	1	0	15M	41365	1	99	18.13
CA_41C	20M	41490	1	0	15M	41319	1	99	18.04
CA_41C	20M	41490	1	0	20M	41292	1	99	17.94

41C-Power Level C1/D1									
UL LTE CA Class	PCC				SCC				
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power（dBm）
CA_41C	20M	39750	1	99	5M	39867	1	0	15.18
CA_41C	15M	39725	1	74	10M	39845	1	0	15.34
CA_41C	20M	39750	1	99	10M	39894	1	0	15.21
CA_41C	20M	39750	1	99	15M	39921	1	0	15.38
CA_41C	20M	39750	1	99	20M	39948	1	0	15.19
CA_41C	20M	41490	1	0	5M	41373	1	99	14.71
CA_41C	15M	41515	1	0	10M	41395	1	99	14.91
CA_41C	20M	41490	1	0	10M	41346	1	99	14.74
CA_41C	15M	41515	1	0	15M	41365	1	99	14.99
CA_41C	20M	41490	1	0	15M	41319	1	99	14.88
CA_41C	20M	41490	1	0	20M	41292	1	99	14.81

41C-Power Level E1									
UL LTE CA Class	PCC				SCC				
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power（dBm）
CA_41C	20M	39750	1	99	5M	39867	1	0	21.36
CA_41C	15M	39725	1	74	10M	39845	1	0	21.32
CA_41C	20M	39750	1	99	10M	39894	1	0	21.32
CA_41C	20M	39750	1	99	15M	39921	1	0	21.26
CA_41C	20M	39750	1	99	20M	39948	1	0	21.35
CA_41C	20M	41490	1	0	5M	41373	1	99	21.23
CA_41C	15M	41515	1	0	10M	41395	1	99	21.35
CA_41C	20M	41490	1	0	10M	41346	1	99	21.18
CA_41C	15M	41515	1	0	15M	41365	1	99	21.25
CA_41C	20M	41490	1	0	15M	41319	1	99	21.24
CA_41C	20M	41490	1	0	20M	41292	1	99	21.17

11.4 5G NR Measurement result

Maximum Target Power for Production Unit –Power Level D1/E1/F1

Band	Tune up (dBm)					
	Receiver off+ Sensor off (DSI0)	**Receiver off+ Hotspot on (DSI1)**	**Receiver on+ WLAN off (DSI2)**	**Receiver on+ WLAN on (DSI3)**	**Receiver off+ sensor on+ WLAN off (DSI4)**	**Receiver off+ sensor on+ WLAN on (DSI5)**
	Power Level A1	**Power Level B1**	**Power Level C1**	**Power Level D1**	**Power Level E1**	**Power Level F1**
n25(SA/NSA)	24	23[1]	24	24	24[1]	23[1]
n41(SA/NSA)	27	20[1]	16	16	20[1]	20[1]
n66(SA/NSA)	24	23[1]	24	24	24[1]	23[1]
n71(SA/NSA)	24	24	24	24	24	24
n77(SA)	27	21	15	13	21	21

[1] – The tune up power is only for SA.

Band	Tune up (dBm)		
	Receiver off+ Hotspot on (DSI1)	**Receiver off+ sensor on+ WLAN off (DSI4)**	**Receiver off+ sensor on+ WLAN on (DSI5)**
	Power Level B2	**Power Level E2**	**Power Level F2**
n25(only for NSA)	21	23	21
n41(only for NSA)	18	20	18
n66(only for NSA)	21	23	21

n25 - Power Level A1/C1/D1/E1

5G-n25								
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1912.5	382500	24	22.77
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	24	22.86
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	24	22.75
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905	381000	24	22.73
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	24	22.69
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860	372000	24	22.67
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1882.5	376500	24	22.74
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1882.5	376500	23	21.75
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1882.5	376500	21.5	20.18
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1882.5	376500	19.5	18.32
15	5	CP-OFDM QPSK	Inner_Full	13@6	1882.5	376500	22.5	21.21
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1882.5	376500	22	20.78
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1882.5	376500	20.5	19.31
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1882.5	376500	17.5	16.23
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1882.5	376500	23	21.74
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	23	21.73
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1882.5	370500	24	22.68
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	370500	24	22.72
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1882.5	370500	23	21.78
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	24	22.75
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	24	22.69

n25 - Power Level B1/F1/E2

5G-n25							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1912.5	382500	21.69
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	21.72
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	21.68
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905	381000	21.7
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	21.7
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860	372000	21.66
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1882.5	376500	21.68
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1882.5	376500	21.70
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1882.5	376500	20.20
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1882.5	376500	18.33
15	5	CP-OFDM QPSK	Inner_Full	13@6	1882.5	376500	21.21
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1882.5	376500	20.77
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1882.5	376500	19.34
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1882.5	376500	16.22
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1882.5	376500	21.67
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	21.66
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1882.5	370500	21.68
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	370500	21.69
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1882.5	370500	21.66
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	21.69
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	21.66

n25 - Power Level B2/F2

5G-n25							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1912.5	382500	19.64
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	19.69
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	19.67
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905	381000	19.60
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	19.68
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860	372000	19.65
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1882.5	376500	19.66
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1882.5	376500	19.68
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1882.5	376500	19.67
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1882.5	376500	18.31
15	5	CP-OFDM QPSK	Inner_Full	13@6	1882.5	376500	19.67
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1882.5	376500	19.65
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1882.5	376500	19.30
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1882.5	376500	16.24
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1882.5	376500	19.63
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	19.65
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1882.5	370500	19.63
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	370500	19.62
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1882.5	370500	19.64
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	19.62
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	19.62

n41 - Power Level A1

5G-n41								
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	27	26.15
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	27	26.17
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	27	26.58
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509902	27	26.20
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	27	26.12
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640	528000	27	26.20
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.51	523302	27	26.17
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	27	26.18
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.5	513900	27	26.19
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	27	26.11
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	2592.99	518598	27	26.14
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	26	25.29
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	24.5	23.75
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	22.5	21.82
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	25.5	24.81
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	25	24.35
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	23.5	22.77
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	20.5	19.76
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	2592.99	518598	23.5	22.61
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	23.5	22.65
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	2592.99	518598	27	25.64
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	27	25.61
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	2592.99	518598	26	24.65
30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	27	26.12
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	27	26.11
30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	27	26.13
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	27	26.14
30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2592.99	518598	27	26.13
30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2592.99	518598	27	26.19
30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2592.99	518598	27	26.20

n41 - Power Level B1/E1/F1/E2

5G-n41							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	19.16
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	19.32
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	19.38
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509902	19.24
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	19.10
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640	528000	19.29
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.51	523302	19.29
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	19.18
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.5	513900	19.28
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	19.28
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	2592.99	518598	19.22
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	19.30
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	19.33
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	19.28
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	19.32
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	19.32
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	19.12
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	19.14
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	2592.99	518598	19.27
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	19.31
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	2592.99	518598	19.34
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	19.15
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	2592.99	518598	19.10
30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	19.28
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	19.30
30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	19.20
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	19.23
30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2592.99	518598	19.22
30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2592.99	518598	19.22
30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2592.99	518598	19.11

n41 - Power Level C1/D1

5G-n41							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	15.19
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	15.13
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	15.38
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509902	15.11
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	15.25
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640	528000	15.31
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.51	523302	15.25
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	15.19
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.5	513900	15.11
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	15.31
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	2592.99	518598	15.30
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	15.25
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	15.27
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	15.28
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	15.23
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	15.18
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	15.19
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	15.11
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	2592.99	518598	15.12
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	15.14
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	2592.99	518598	15.29
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	15.27
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	2592.99	518598	15.14
30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	15.09
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	15.11
30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	15.24
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	15.22
30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2592.99	518598	15.29
30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2592.99	518598	15.24
30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2592.99	518598	15.13

n41 - Power Level B2/F2

5G-n41							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	17.32
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	17.21
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.34
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509902	17.18
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	17.12
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640	528000	17.32
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.51	523302	17.30
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	17.20
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.5	513900	17.19
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	17.31
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	2592.99	518598	17.26
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	17.23
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	17.20
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	17.22
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.17
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	17.27
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	17.24
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	17.21
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	2592.99	518598	17.31
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	17.28
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	2592.99	518598	17.15
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	17.31
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	2592.99	518598	17.30
30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	17.29
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	17.29
30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	17.19
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	17.18
30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2592.99	518598	17.27
30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2592.99	518598	17.29
30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2592.99	518598	17.25

n66 - Power Level A1/C1/D1/E1

5G-n66							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	Tune up	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	24	23.06
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	24	23.08
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	24	23.04
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	24	23.03
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	24	22.99
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	24	22.98
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	24	23.07
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	23	22.06
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	21.5	20.50
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	19.5	18.63
15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	22.5	21.56
15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	22	21.09
15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	20.5	19.64
15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	17.5	16.55
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	23	21.98
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	23	21.95
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	24	22.99
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	24	23.05
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	23	22.02
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	24	23.06
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	24	23.01
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	24	22.99
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	24	22.97

n66 - Power Level B1/F1/E2

5G-n66						
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	22.04
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	22.07
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	22.03
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	22.05
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	22.05
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	22.01
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	22.03
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	22.05
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	20.61
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	18.81
15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	21.58
15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	21.16
15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	19.78
15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	16.78
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	22.02
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	22.01
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	22.03
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	22.04
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	22.01
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	22.04
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	22.01
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	22.02
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	22.03

n66 - Power Level B2/F2

5G-n66						
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	20.09
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	20.14
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	20.12
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	20.05
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	20.13
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	20.10
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	20.11
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	20.13
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	20.12
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	18.82
15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	20.12
15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	20.10
15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	19.77
15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	16.83
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	20.08
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	20.10
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	20.08
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	20.07
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	20.09
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	20.07
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	20.07
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	20.05
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	20.09

n71 - Power Level A1/B1/C1/D1/E1/F1

5G-n71								
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	Power Results (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	695.5	139100	24	23.53
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	680.5	136100	24	23.56
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	665.5	133100	24	23.51
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	688	137600	24	23.49
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	680.5	136100	24	23.53
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	673	134600	24	23.54
15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	680.5	136100	24	23.55
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	680.5	136100	23	22.51
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	680.5	136100	21.5	20.93
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	680.5	136100	19.5	19.07
15	5	CP-OFDM QPSK	Inner_Full	13@6	680.5	136100	22.5	21.98
15	5	CP-OFDM 16QAM	Inner_Full	13@6	680.5	136100	22	21.55
15	5	CP-OFDM 64QAM	Inner_Full	13@6	680.5	136100	20.5	20.07
15	5	CP-OFDM 256QAM	Inner_Full	13@6	680.5	136100	17.5	17.01
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	680.5	136100	23	22.42
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	680.5	136100	23	21.47
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	680.5	136100	24	23.45
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	680.5	136100	24	23.48
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	680.5	136100	23	22.45
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	680.5	136100	24	23.52
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	680.5	136100	24	23.49

n77 Low band (3450-3550MHz) - Power Level A1

5G-n77								
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	27	26.49
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	27	26.52
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	27	26.46
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	27	26.45
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	27	26.46
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	27	26.48
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	26	25.43
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	24.5	23.95
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	22.5	22.03
30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	25.5	24.97
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	25	24.52
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	23.5	22.92
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	20.5	20.01
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	23.5	22.28
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	23.5	22.30
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	27	25.79
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	27	25.75
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	26	24.72
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	27	26.44
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	27	26.45
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	27	26.49
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	27	26.43
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	27	26.43

n77 Low band (3450-3550MHz) - Power Level B1/E1/F1

5G-n77							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	20.43
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.48
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	20.46
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	20.39
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	20.47
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	20.42
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.43
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.44
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	19.11
30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.45
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.44
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.09
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	17.06
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	20.42
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	20.44
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	20.42
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	20.41
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	20.43
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	20.44
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	20.42
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	20.45
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	20.41
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	20.44

n77 Low band (3450-3550MHz) - Power Level C1

5G-n77							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	14.40
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	14.44
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	14.43
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	14.43
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	14.40
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	14.39
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	14.42
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	14.41
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	14.41
30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	14.41
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	14.38
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	14.41
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	14.42
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	14.38
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	14.42
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	14.39
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	14.39
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	14.38
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	14.42
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	14.40
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	14.41
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	14.42
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	14.40

n77 Low band (3450-3550MHz) - Power Level D1

5G-n77							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	12.36
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	12.40
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	12.39
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	12.39
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	12.36
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	12.34
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	12.38
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	12.37
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	12.37
30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	12.37
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	12.33
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	12.35
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	12.38
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	12.33
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	12.34
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	12.34
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	12.34
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	12.33
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	12.38
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	12.36
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	12.37
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	12.38
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	12.36

n77 High band (3700-3980MHz) - Power Level A1

5G-n77								
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.99	664666	27	26.81
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918	661200	27	26.71
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866	657733.33	27	26.7
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814	654266.67	27	26.63
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762	650800	27	26.6
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	27	26.77
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	27	26.79
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894	659600	27	26.68
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858	657200	27	26.79
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822	654800	27	26.65
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786	652400	27	26.79
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	27	26.63
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.99	664666	27	26.71
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	26	25.83
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	24.5	24.34
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	22.5	22.4
30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.99	664666	25.5	25.33
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	25	24.89
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	24	23.28
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	21	20.36
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.99	664666	24	22.63
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.99	664666	24	22.62
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.99	664666	27	26.11
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.99	664666	27	26.15
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.99	664666	26	25.17
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960	664000	27	26.68
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.48	663632	27	26.67
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.98	663332	27	26.68
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.99	662666	27	26.64
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.98	662332	27	26.71

n77 High band (3700-3980MHz) - Power Level B1/E1/F1

5G-n77							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.99	664666	20.71
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918	661200	20.69
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866	657733.33	20.62
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814	654266.67	20.7
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762	650800	20.68
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	20.7
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	20.69
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894	659600	20.66
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858	657200	20.67
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822	654800	20.64
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786	652400	20.68
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	20.65
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.99	664666	20.65
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	20.65
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	19.37
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	20.64
30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.99	664666	20.67
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	20.33
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	17.36
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	20.65
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.99	664666	20.67
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.99	664666	20.65
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.99	664666	20.64
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.99	664666	20.66
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.99	664666	20.64
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960	664000	20.64
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.48	663632	20.67
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.98	663332	20.64
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.99	662666	20.68
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.98	662332	20.64

n77 High band (3700-3980MHz) - Power Level C1

5G-n77							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.99	664666	14.85
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918	661200	14.62
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866	657733.33	14.68
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814	654266.67	14.61
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762	650800	14.48
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	14.5
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	14.69
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894	659600	14.61
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858	657200	14.44
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822	654800	14.68
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786	652400	14.46
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	14.67
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.99	664666	14.58
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	14.44
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	14.49
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	14.66
30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.99	664666	14.63
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	14.5
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	14.43
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	14.66
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.99	664666	14.61
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.99	664666	14.48
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.99	664666	14.53
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.99	664666	14.44
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.99	664666	14.44
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960	664000	14.53
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.48	663632	14.46
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.98	663332	14.64
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.99	662666	14.45
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.98	662332	14.55

n77 High band (3700-3980MHz) - Power Level D1

5G-n77							
SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Power Results (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.99	664666	12.75
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918	661200	12.47
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866	657733.33	12.69
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814	654266.67	12.62
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762	650800	12.47
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	12.49
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	12.71
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894	659600	12.62
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858	657200	12.43
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822	654800	12.69
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786	652400	12.45
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	12.68
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.99	664666	12.58
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	12.43
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	12.48
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	12.67
30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.99	664666	12.64
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.99	664666	12.49
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.99	664666	12.41
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.99	664666	12.67
30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.99	664666	12.62
30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.99	664666	12.47
30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.99	664666	12.53
30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.99	664666	12.43
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.99	664666	12.43
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960	664000	12.53
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.48	663632	12.45
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.98	663332	12.65
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.99	662666	12.44
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.98	662332	12.55

11.5 Wi-Fi and BT Measurement result

The maximum output power of BT antenna is 10.02dBm.
The maximum tune up of BT antenna is 11dBm.

Table11.5: Summary of Receiver detection mechanism-WiFi antenna

Antenna	Receiver off+ Sensor off (DSI0)	Receiver off+ Hotspot on (DSI1)	Receiver on+ WWAN off (DSI2)	Receiver on+ WWAN on (DSI3)	Receiver off+ sensor on+ Hotspot off+ WWAN off (DSI4)	Receiver off+ sensor on+ Hotspot off+ WWAN on (DSI5)
WLAN Antenna	Power Level A1	Power Level B1	Power Level C1	Power Level D1	Power Level E1	Power Level F1

The average conducted power for Wi-Fi 2.4G is as following:

Power Level A1

802.11b		
Channel\data rate	1Mbps	Tune up
11(2462MHz)	21.91	22.00
6(2437(MHz)	21.96	22.00
1(2412MHz)	21.88	22.00
802.11g		
Channel\data rate	6Mbps	Tune up
11(2462MHz)	17.93	18.50
6(2437(MHz)	20.48	20.50
1(2412MHz)	17.54	18.50
802.11n-20MHz		
Channel\data rate	MCS0	Tune up
11(2462MHz)	17.42	18.00
6(2437(MHz)	19.97	20.00
1(2412MHz)	17.95	18.50
802.11n-40MHz		
Channel\data rate	MCS0	Tune up
9(2452MHz)	16.53	18.50
6(2437MHz)	18.32	19.50
3(2422MHz)	17.71	19.50

Power Level B1/D1/F1

802.11b		
Channel\data rate	1Mbps	Tune up
11(2462MHz)	16.69	17.00
6(2437(MHz)	16.88	17.00
1(2412MHz)	16.43	17.00
802.11g		
Channel\data rate	6Mbps	Tune up
11(2462MHz)	16.86	17.00
6(2437(MHz)	17.11	17.00
1(2412MHz)	16.41	17.00
802.11n-20MHz		
Channel\data rate	MCS0	Tune up
11(2462MHz)	16.77	17.00
6(2437(MHz)	16.89	17.00
1(2412MHz)	16.46	17.00
802.11n-40MHz		
Channel\data rate	MCS0	Tune up
9(2452MHz)	15.63	17.00
6(2437MHz)	15.71	17.00
3(2422MHz)	15.22	17.00

Power Level C1/E1

802.11b		
Channel\data rate	1Mbps	Tune up
11(2462MHz)	19.82	20
6(2437(MHz)	19.97	20
1(2412MHz)	19.83	20
802.11g		
Channel\data rate	6Mbps	Tune up
11(2462MHz)	19.94	20
6(2437(MHz)	19.98	20
1(2412MHz)	19.72	20
802.11n-20MHz		
Channel\data rate	MCS0	Tune up
11(2462MHz)	17.42	18.00
6(2437(MHz)	19.97	20.00
1(2412MHz)	17.95	18.50
802.11n-40MHz		
Channel\data rate	MCS0	Tune up
9(2452MHz)	16.53	18.50
6(2437MHz)	18.32	19.50
3(2422MHz)	17.71	19.50

The tune up power for Wi-Fi 5G is as following:

Power rating	Channel	DSI0 RF	DSI1 Hotspot	DSI2 alone Head	DSI3 joint Head	DSI4 alone Body	DSI5 joint Body	Tolerance
802.11a-6M	36-48	19	14	14	12	17	14	+1dBm/ -1dBm
	52-64	19	14	14	12	17	14	+1dBm/ -1dBm
	100-136	19	14	14	12	17	14	+1dBm/ -1dBm
	140	18	14	14	12	17	14	+1dBm/ -1dBm
	144-165	19	14	14	12	17	14	+1dBm/ -1dBm
802.11n-HT20-MCS0	36-48	19	14	14	12	17	14	+1dBm/ -1dBm
	52-64	19	14	14	12	17	14	+1dBm/ -1dBm
	100	18.5	14	14	12	17	14	+1dBm/ -1dBm
	104-136	19	14	14	12	17	14	+1dBm/ -1dBm
	140	17.5	14	14	12	17	14	+1dBm/ -1dBm
	144-165	19	14	14	12	17	14	+1dBm/ -1dBm
802.11n-HT40-MCS0	38	16.5	14	14	12	16.5	14	+1dBm/ -1dBm
	46-62	18.5	14	14	12	17	14	+1dBm/ -1dBm
	102	17	14	14	12	17	14	+1dBm/ -1dBm
	110-159	18.5	14	14	12	17	14	+1dBm/ -1dBm
802.11ac-VHT20-MCS0	36-48	18	14	14	12	17	14	+1dBm/ -1dBm
	52-64	18	14	14	12	17	14	+1dBm/ -1dBm
	100-144	18	14	14	12	17	14	+1dBm/ -1dBm
	149-165	18	14	14	12	17	14	+1dBm/ -1dBm

802.11ac-VHT40-MCS0	38	17	14	14	12	17	14	+1dBm/ -1dBm
	46-62	17.5	14	14	12	17	14	+1dBm/ -1dBm
	102-142	17.5	14	14	12	17	14	+1dBm/ -1dBm
	151-159	17.5	14	14	12	17	14	+1dBm/ -1dBm
802.11ac-VHT80M-MCS0	42	15	14	14	12	15	14	+1dBm/ -1dBm
	58	16	14	14	12	16	14	+1dBm/ -1dBm
	106	16	14	14	12	16	14	+1dBm/ -1dBm
	122-138	17	14	14	12	17	14	+1dBm/ -1dBm
	155	17	14	14	12	17	14	+1dBm/ -1dBm

The average conducted power for Wi-Fi 5G is as following:

Power Level A1:

802.11n(dBm)-20MHz	
Channel\data rate	6Mbps
36(5180 MHz)	18.77
40(5200 MHz)	18.92
44(5220 MHz)	18.75
48(5240 MHz)	18.66
52(5260 MHz)	18.85
56(5280 MHz)	18.36
60(5300 MHz)	18.51
64(5320 MHz)	18.53
100(5500 MHz)	18.67
104(5520 MHz)	18.58
108(5540 MHz)	18.62
112(5560 MHz)	18.70
116(5580 MHz)	18.62
120(5600 MHz)	18.73
124(5620 MHz)	18.94
128(5640 MHz)	18.87
132(5660 MHz)	19.81
136(5680 MHz)	19.66
140(5700 MHz)	18.51
144(5720 MHz)	19.85
149(5745 MHz)	19.92
153(5765 MHz)	19.88
157(5785 MHz)	19.89
161(5805 MHz)	19.86
165(5825 MHz)	19.28
Tune up	20.00

Remark: The tune up for CH140 is 19dBm

Power Level B1/C1/F1:

802.11ac(dBm)-80MHz	
Channel\data rate	6Mbps
42(5210 MHz)	13.66
58(5290 MHz)	13.80
106(5530 MHz)	13.62
122(5610 MHz)	13.71
138(5690 MHz)	14.58
155(5775 MHz)	14.69
Tune up	15.00

Power Level D1:

802.11ac(dBm)-80MHz	
Channel\data rate	6Mbps
42(5210 MHz)	12.08
58(5290 MHz)	11.61
106(5530 MHz)	11.72
122(5610 MHz)	11.78
138(5690 MHz)	12.61
155(5775 MHz)	12.75
Tune up	13.00

Power Level E1:

802.11ac(dBm)-80MHz	
Channel\data rate	6Mbps
42(5210 MHz)	16.68
58(5290 MHz)	16.73
106(5530 MHz)	16.57
122(5610 MHz)	16.45
138(5690 MHz)	17.47
155(5775 MHz)	17.58
Tune up	18.00

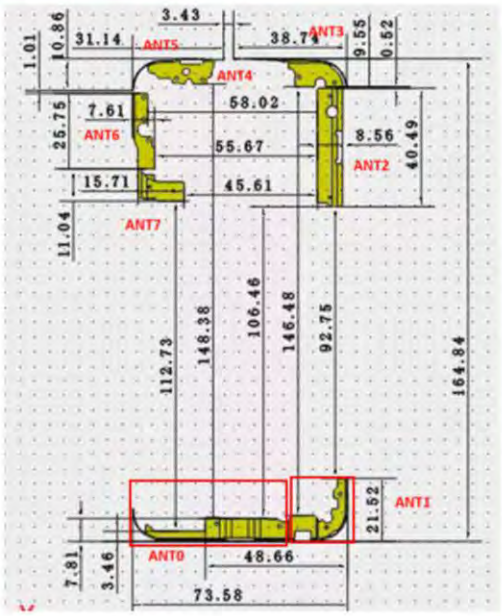
12 Simultaneous TX SAR Considerations

12.1 Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.
For this device, the BT and Wi-Fi can transmit simultaneous with other transmitters.

12.2 Transmit Antenna Separation Distances

Antenna layout



ANT_NO.		Band			
		TRX	DRX	PRX_MIMO	DRX_MIMO
A	ANT0	GSM 850/900 WCDMA B5 LTE B5/12/26/71/7 NR n71		LTE B41 NR n41	
B	ANT1	GSM1800/1900 WCDMA B2/4 LTE B2/4/25/66 NR n66/25 LTE B2/66(NSA)	NR n77	LTE B2/66(NSA)	
C	ANT2		LTE B41 NR n41; LTE B2/66(NSA)	LTE B2/4/25/66 NR n66/25/77	
D	ANT3	LTE B41(HPUE) NR n41(HPUE) LTE B2/B66(NSA)	GSM850/900/1800/1900 WCDMA B2/4/5 LTE B2/4/5/12/25/26/66/71 NR n71/66/25/41		
E	ANT4	NR n77(HPUE)			
F	ANT5	GPS/WIFI(IEEE 802.11 a/b/g/n/ac)			
G	ANT6		LTE B7		LTE B4/25/41 LTE B2/66(SA/NSA) NR n25/66/41
H	ANT7				NR n77

Picture 12.1 Antenna Locations

12.3 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 2.5 cm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
ANT0	Yes	Yes	Yes	Yes	No	Yes
ANT1	Yes	Yes	Yes	No	No	Yes
ANT3	Yes	Yes	Yes	No	Yes	No
ANT4	Yes	Yes	No	Yes	Yes	No
ANT5	Yes	Yes	No	Yes	Yes	No

13 Evaluation of Simultaneous

Table 13.1: The sum of SAR values for Main antenna + Wifi2.4G +BT

	Position	Main antenna	WiFi-2.4G	BT	Sum
Highest SAR value for Head	Right head, Tilt (ENDC 2A-n41A)	1.03	0.24	0.08	**1.35**
Highest SAR value for Body	Rear 15mm (ENDC 2A-n41A)	1.02	0.21	0.01	**1.24**

Table 13.2: The sum of SAR values for Main antenna + Wifi5G +BT

	Position	Main antenna	WiFi-5G	BT	Sum
Highest SAR value for Head	Right head, Tilt (ENDC 2A-n41A)	1.03	0.27	0.08	**1.38**
Highest SAR value for Body	Rear 15mm (ENDC 2A-n41A)	1.02	0.53	0.01	**1.56**

Table 13.3: The SAR values for ENDC

LTE	NR	Mode	Position	Reported SAR 1g(W/kg)
LTE Band 2-ANT1	n41	Head	Right Tilt	**1.03(0.24+0.79)**
		Body	Rear 15mm	**1.02(0.43+0.59)**
LTE Band 2-ANT3	n66	Head	Right Tilt	**0.67(0.60+0.07)**
		Body	Rear 15mm	**0.74(0.52+0.22)**
	n71	Head	Right Tilt	**0.65(0.60+0.05)**
		Body	Rear 15mm	**0.74(0.52+0.22)**
LTE Band 66-ANT1	n41	Head	Right Tilt	**0.95(0.16+0.79)**
		Body	Rear 15mm	**1.00(0.41+0.59)**
LTE Band 66-ANT3	n25	Head	Right Tilt	**0.75(0.61+0.14)**
		Body	Rear 15mm	**0.74(0.41+0.33)**
	n71	Head	Right Tilt	**0.66(0.61+0.05)**
		Body	Rear 10mm	**0.69(0.47+0.22)**

Conclusion:

According to the above tables, the sum of reported SAR values is<1.6W/kg. So the simultaneous transmission SAR with volume scans is not required.

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom.
The distance is 10 mm and just applied to the condition of body worn accessory.
It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.
The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{Target}-P_{Measured})/10}$$

Where P_{Target} is the power of manufacturing upper limit;
$P_{Measured}$ is the measured power in chapter 11.

Table 14.1: Duty Cycle

Mode	Duty Cycle
GSM850/1900	1:2
WCDMA&LTE FDD&5G NR	1:1
LTE TDD	1:1.58 or 1:2.37

14.1 SAR results for 2G/3G/4G

Table 14.1-1: SAR Values (GSM 850 MHz Band – Head)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Powe r Drift (dB)
Ch.	MHz										
190	836.6	Left	Cheek	/	27	28.5	0.383	**0.54**	0.295	**0.42**	-0.15
190	836.6	Left	Tilt	/	27	28.5	0.198	**0.28**	0.162	**0.23**	0.18
251	848.8	Right	Cheek	Fig.1	26.93	28.5	0.513	**0.74**	0.404	**0.58**	0.09
190	836.6	Right	Cheek	/	27	28.5	0.433	**0.61**	0.333	**0.47**	0.03
128	824.2	Right	Cheek	/	27.07	28.5	0.473	**0.66**	0.379	**0.53**	0.12
190	836.6	Right	Tilt	/	27	28.5	0.252	**0.36**	0.205	**0.29**	0.02

Note: the head SAR of GSM850 is tested with GPRS (4Txslots) mode because of VoIP.

Table 14.1-2: SAR Values (GSM 850 MHz Band - Body)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
190	836.6	GPRS (4)	Front	/	27	28.5	0.446	**0.63**	0.291	**0.41**	0.15
251	848.8	GPRS (4)	Rear	Fig.2	26.93	28.5	0.787	**1.13**	0.462	**0.66**	-0.04
190	836.6	GPRS (4)	Rear	/	27	28.5	0.722	**1.02**	0.418	**0.59**	0.15
128	824.2	GPRS (4)	Rear	/	27.07	28.5	0.686	**0.95**	0.417	**0.58**	-0.04
190	836.6	GPRS (4)	Left	/	27	28.5	0.155	**0.22**	0.107	**0.15**	-0.1
190	836.6	GPRS (4)	Right	/	27	28.5	0.442	**0.62**	0.296	**0.42**	-0.17
190	836.6	GPRS (4)	Bottom	/	27	28.5	0.632	**0.89**	0.346	**0.49**	-0.12
251	848.8	EGPRS (4)	Rear	/	26.93	28.5	0.761	**1.09**	0.448	**0.64**	-0.06

Note: The distance between the EUT and the phantom bottom is 10mm.

Table 14.1-3: SAR Values (GSM 1900 MHz Band - Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	Left	Cheek	/	25.87	26.5	0.219	**0.25**	0.135	**0.16**	0.16
661	1880	Left	Cheek	/	25.87	26.5	0.243	**0.28**	0.152	**0.18**	0.12
512	1850.2	Left	Cheek	Fig.3	25.89	26.5	0.262	**0.30**	0.168	**0.19**	-0.17
661	1880	Left	Tilt	/	25.87	26.5	0.121	**0.14**	0.073	**0.08**	-0.04
661	1880	Right	Cheek	/	25.87	26.5	0.169	**0.20**	0.105	**0.12**	-0.16
661	1880	Right	Tilt	/	25.87	26.5	0.168	**0.19**	0.092	**0.11**	-0.18

Note: the head SAR of GSM1900 is tested with GPRS (4Txslots) mode because of VoIP.

Table 14.1-4: SAR Values (GSM 1900 MHz Band – Body)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	GPRS (4)	Front	/	25.87	26.5	0.49	**0.57**	0.267	**0.31**	-0.12
810	1909.8	GPRS (4)	Rear	/	25.87	26.5	0.777	**0.90**	0.42	**0.49**	0.15
661	1880	GPRS (4)	Rear	/	25.87	26.5	0.889	**1.03**	0.496	**0.57**	0.06
512	1850.2	GPRS (4)	Rear	Fig.4	25.89	26.5	0.948	**1.09**	0.529	**0.61**	-0.08
661	1880	GPRS (4)	Left	/	25.87	26.5	0.319	**0.37**	0.166	**0.19**	0.04
661	1880	GPRS (4)	Bottom	/	25.87	26.5	0.606	**0.70**	0.318	**0.37**	0.04
512	1850.2	EGPRS (4)	Rear	/	25.87	26.5	0.927	**1.07**	0.514	**0.59**	-0.11

Note1: The distance between the EUT and the phantom bottom is 10mm

Table 14.1-5: SAR Values (WCDMA 1900 MHz Band - Head)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
9538	1907.6	Left	Cheek	/	23.28	24	0.262	**0.31**	0.172	**0.20**	-0.14
9400	1880	Left	Cheek	/	23.34	24	0.259	**0.30**	0.169	**0.20**	-0.13
9262	1852.4	Left	Cheek	Fig.5	23.24	24	0.267	**0.32**	0.172	**0.20**	0.02
9400	1880	Left	Tilt	/	23.34	24	0.126	**0.15**	0.079	**0.09**	0.08
9400	1880	Right	Cheek	/	23.34	24	0.151	**0.18**	0.099	**0.12**	0.14
9400	1880	Right	Tilt	/	23.34	24	0.151	**0.18**	0.092	**0.11**	0.09

Table 14.1-6: SAR Values (WCDMA 1900 MHz Band – Body worn)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9400	1880	Front	/	23.34	24	0.275	**0.32**	0.164	**0.19**	0.09
9538	1907.6	Rear	Fig.6	23.28	24	0.453	**0.53**	0.264	**0.31**	0.06
9400	1880	Rear	/	23.34	24	0.430	**0.50**	0.246	**0.29**	-0.03
9262	1852.4	Rear	/	23.24	24	0.421	**0.50**	0.243	**0.29**	-0.06

Note1: The distance between the EUT and the phantom bottom is 15mm

Table 14.1-7: SAR Values (WCDMA 1900 MHz Band - Hotspot)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9400	1880	Front	/	21	22	0.298	**0.38**	0.17	**0.21**	0.1
9538	1907.6	Rear	Fig.7	21.04	22	0.569	**0.71**	0.319	**0.40**	0.17
9400	1880	Rear	/	21	22	0.527	**0.66**	0.296	**0.37**	0.05
9262	1852.4	Rear	/	20.98	22	0.51	**0.65**	0.287	**0.36**	-0.03
9400	1880	Left	/	21	22	0.217	**0.27**	0.113	**0.14**	0.01
9400	1880	Bottom	/	21	22	0.321	**0.40**	0.172	**0.22**	-0.06

Note1: The distance between the EUT and the phantom bottom is 10mm

Table 14.1-8: SAR Values (WCDMA 1700 MHz Band - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1513	1752.6	Left	Cheek	/	23.45	24	0.142	**0.16**	0.095	**0.11**	-0.11
1412	1732.4	Left	Cheek	/	23.48	24	0.144	**0.16**	0.096	**0.11**	-0.13
1312	1712.4	Left	Cheek	**Fig**.8	23.54	24	0.15	**0.17**	0.099	**0.11**	0.06
1412	1732.4	Left	Tilt	/	23.48	24	0.085	**0.10**	0.055	**0.06**	-0.11
1513	1752.6	Right	Cheek	/	23.48	24	0.123	**0.14**	0.079	**0.09**	0.08
1412	1732.4	Right	Tilt	/	23.48	24	0.105	**0.12**	0.067	**0.08**	0.18

Table 14.1-9: SAR Values (WCDMA 1700 MHz Band – Body worn)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1412	1732.5	Front	/	23.48	24	0.194	**0.22**	0.126	**0.14**	-0.08
1513	1752.6	Rear	/	23.45	24	0.251	**0.28**	0.165	**0.19**	0.06
1412	1732.5	Rear	/	23.48	24	0.252	**0.28**	0.168	**0.19**	0.12
1312	1712.4	Rear	**Fig**.9	23.54	24	0.263	**0.29**	0.173	**0.19**	-0.03

Note1: The distance between the EUT and the phantom bottom is 15mm

Table 14.1-10: SAR Values (WCDMA 1700 MHz Band - Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1412	1732.5	Front	/	20.7	22	0.212	**0.29**	0.133	**0.18**	0.15
1513	1752.6	Rear	Fig.10	20.75	22	0.332	**0.44**	0.216	**0.29**	0.14
1412	1732.5	Rear	/	20.7	22	0.316	**0.43**	0.206	**0.28**	-0.11
1312	1712.4	Rear	/	20.74	22	0.306	**0.41**	0.199	**0.27**	0.02
1412	1732.5	Left	/	20.7	22	0.145	**0.20**	0.089	**0.12**	0.08
1412	1732.5	Bottom	/	20.7	22	0.207	**0.28**	0.122	**0.16**	-0.09

Note1: The distance between the EUT and the phantom bottom is 10mm

Table 14.1-11: SAR Values (WCDMA 850 MHz Band - Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
4183	836.6	Left	Cheek	/	23.23	24	0.173	**0.21**	0.137	**0.16**	-0.01
4183	836.6	Left	Tilt	/	23.23	24	0.099	**0.12**	0.081	**0.10**	-0.12
4233	846.6	Right	Cheek	/	23.21	24	0.195	**0.23**	0.155	**0.19**	-0.12
4183	836.6	Right	Cheek	/	23.23	24	0.201	**0.24**	0.158	**0.19**	-0.18
4132	826.4	Right	Cheek	Fig.11	23.12	24	0.236	**0.29**	0.185	**0.23**	0.09
4183	836.6	Right	Tilt	/	23.23	24	0.112	**0.13**	0.087	**0.10**	-0.01

Table 14.1-12: SAR Values (WCDMA 850 MHz Band - Body)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
4183	836.6	Front	/	23.23	24	0.345	**0.41**	0.199	**0.24**	-0.14
4233	846.6	Rear	Fig.12	23.21	24	0.515	**0.62**	0.299	**0.36**	-0.01
4183	836.6	Rear	/	23.23	24	0.466	**0.56**	0.271	**0.32**	-0.12
4132	826.4	Rear	/	23.12	24	0.409	**0.50**	0.242	**0.30**	0.16
4183	836.6	Left	/	23.23	24	0.091	**0.11**	0.056	**0.07**	-0.04
4183	836.6	Right	/	23.23	24	0.111	**0.13**	0.07	**0.08**	-0.07
4183	836.6	Bottom	/	23.23	24	0.347	**0.41**	0.188	**0.22**	-0.08

Note: The distance between the EUT and the phantom bottom is 10mm.

Table 14.1-13: SAR Values (LTE Band2 ANT1- Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
19100	1900	1RB_Mid	Left	Cheek	Fig.13	23.17	24.5	0.309	**0.42**	0.195	**0.26**	-0.06
19100	1900	1RB_Mid	Left	Tilt	/	23.17	24.5	0.161	**0.22**	0.095	**0.13**	-0.05
19100	1900	1RB_Mid	Right	Cheek	/	23.17	24.5	0.187	**0.25**	0.120	**0.16**	-0.01
19100	1900	1RB_Mid	Right	Tilt	/	23.17	24.5	0.174	**0.24**	0.103	**0.14**	0
19100	1900	50RB-Low	Left	Cheek	/	22.22	23.5	0.244	**0.33**	0.155	**0.21**	0.07
19100	1900	50RB-Low	Left	Tilt	/	22.22	23.5	0.128	**0.17**	0.076	**0.10**	0.04
19100	1900	50RB-Low	Right	Cheek	/	22.22	23.5	0.152	**0.20**	0.096	**0.13**	-0.04
19100	1900	50RB-Low	Right	Tilt	/	22.22	23.5	0.145	**0.19**	0.085	**0.11**	-0.08

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-14: SAR Values (LTE Band2 ANT1– Body worn)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
19100	1900	1RB-Mid Front	/	23.17	24.5	0.180	**0.24**	0.108	**0.15**	-0.04
19100	1900	1RB-Mid Rear	Fig.14	23.17	24.5	0.314	**0.43**	0.185	**0.25**	-0.17
19100	1900	50RB-Low Front	/	22.22	23.5	0.142	**0.19**	0.087	**0.12**	-0.03
19100	1900	50RB-Low Rear	/	22.22	23.5	0.259	**0.35**	0.152	**0.20**	-0.01

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-15: SAR Values (LTE Band2 ANT1 – Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
18700	1860	1RB-Mid Front	/	21.05	22	0.221	**0.28**	0.129	**0.16**	0.04
18700	1860	1RB-Mid Rear	Fig.15	21.05	22	0.412	**0.51**	0.235	**0.29**	0.13
18700	1860	1RB-Mid Left	/	21.05	22	0.159	**0.20**	0.083	**0.10**	-0.12
18700	1860	1RB-Mid Bottom	/	21.05	22	0.245	**0.30**	0.138	**0.17**	-0.04
18700	1860	50RB-Low Front	/	20.23	21	0.17	**0.20**	0.101	**0.12**	0.14
18700	1860	50RB-Low Rear	/	20.23	21	0.312	**0.37**	0.181	**0.22**	-0.02
18700	1860	50RB-Low Left	/	20.23	21	0.118	**0.14**	0.063	**0.08**	0.06
18700	1860	50RB-Low Bottom	/	20.23	21	0.234	**0.28**	0.133	**0.16**	-0.11
18700	1860	1RB-Mid Front	Note3	18.92	20	0.156	**0.20**	0.086	**0.11**	-0.06
18700	1860	1RB-Mid Rear	Note3	18.92	20	0.266	**0.34**	0.148	**0.19**	0.17
18700	1860	1RB-Mid Left	Note3	18.92	20	0.133	**0.17**	0.069	**0.09**	0.06
18700	1860	1RB-Mid Bottom	Note3	18.92	20	0.169	**0.22**	0.096	**0.12**	-0.12
18700	1860	50RB-Low Front	Note3	17.95	19	0.126	**0.16**	0.071	**0.09**	-0.06
18700	1860	50RB-Low Rear	Note3	17.95	19	0.217	**0.28**	0.121	**0.15**	-0.03
18700	1860	50RB-Low Left	Note3	17.95	19	0.107	**0.14**	0.057	**0.07**	0.12
18700	1860	50RB-Low Bottom	Note3	17.95	19	0.118	**0.15**	0.067	**0.09**	-0.09

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Note3: The results are for ENDC only.

Table 14.1-16: SAR Values (LTE Band2 ANT3- Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
18700	1860	1RB_Mid	Left	Cheek	/	14.06	15	0.272	**0.34**	0.118	**0.15**	-0.1
18700	1860	1RB_Mid	Left	Tilt	/	14.06	15	0.4	**0.50**	0.171	**0.21**	-0.09
18700	1860	1RB_Mid	Right	Cheek	/	14.06	15	0.431	**0.54**	0.179	**0.22**	-0.08
18700	1860	1RB_Mid	Right	Tilt	Fig.16	14.06	15	0.48	**0.60**	0.21	**0.26**	0.11
18700	1860	50RB-Low	Left	Cheek	/	13.15	14	0.202	**0.25**	0.088	**0.11**	-0.18
18700	1860	50RB-Low	Left	Tilt	/	13.15	14	0.333	**0.40**	0.139	**0.17**	-0.17
18700	1860	50RB-Low	Right	Cheek	/	13.15	14	0.37	**0.45**	0.159	**0.19**	-0.04
18700	1860	50RB-Low	Right	Tilt	/	13.15	14	0.379	**0.46**	0.167	**0.20**	-0.05

Note1: The LTE mode is QPSK_20MHz.

Note2: All the results are for ENDC only.

Table 14.1-17: SAR Values (LTE Band2 ANT3– Body worn)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
18700	1860	1RB-Mid Front	/	23.32	24.5	0.392	**0.51**	0.222	**0.29**	0.13
18700	1860	1RB-Mid Rear	Fig.17	23.32	24.5	0.4	**0.52**	0.231	**0.30**	-0.12
18700	1860	50RB-High Front	/	22.35	23.5	0.317	**0.41**	0.171	**0.22**	0.04
18700	1860	50RB-High Rear	/	22.35	23.5	0.318	**0.41**	0.183	**0.24**	0.1

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Note3: All the results are for ENDC only.

Table 14.1-18: SAR Values (LTE Band2 ANT3 – Hotspot)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
18700	1860	1RB-Mid Front	/	19.15	20	0.264	**0.32**	0.138	**0.17**	0.03
18700	1860	1RB-Mid Rear	/	19.15	20	0.266	**0.32**	0.145	**0.18**	-0.06
18700	1860	1RB-Mid Left	/	19.15	20	0.079	**0.10**	0.047	**0.06**	0.06
18700	1860	1RB-Mid Top	Fig.18	19.15	20	0.428	**0.52**	0.216	**0.26**	0.12
18700	1860	50RB-Mid Front	/	18.24	19	0.217	**0.26**	0.11	**0.13**	0.16
18700	1860	50RB-Mid Rear	/	18.24	19	0.214	**0.25**	0.116	**0.14**	-0.12
18700	1860	50RB-Mid Left	/	18.24	19	0.067	**0.08**	0.04	**0.05**	-0.03
18700	1860	50RB-Mid Top	/	18.24	19	0.34	**0.41**	0.171	**0.20**	0.08

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_10MHz.

Note3: All the results are for ENDC only.

Table 14.1-19: SAR Values (LTE Band7 - Head)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20850	2510	1RB_Mid	Left	Cheek	Fig.19	23.17	24.5	0.138	**0.19**	0.078	**0.11**	0.01
20850	2510	1RB_Mid	Left	Tilt	/	23.17	24.5	0.098	**0.13**	0.052	**0.07**	-0.07
20850	2510	1RB_Mid	Right	Cheek	/	23.17	24.5	0.09	**0.12**	0.047	**0.06**	0.15
20850	2510	1RB_Mid	Right	Tilt	/	23.17	24.5	0.045	**0.06**	0.026	**0.04**	-0.04
20850	2510	50RB-Mid	Left	Cheek	/	22.22	23.5	0.117	**0.16**	0.065	**0.09**	0.08
20850	2510	50RB-Mid	Left	Tilt	/	22.22	23.5	0.079	**0.11**	0.042	**0.06**	-0.09
20850	2510	50RB-Mid	Right	Cheek	/	22.22	23.5	0.072	**0.10**	0.038	**0.05**	0.1
20850	2510	50RB-Mid	Right	Tilt	/	22.22	23.5	0.039	**0.05**	0.022	**0.03**	0.07

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-20: SAR Values (LTE Band7 – Body worn)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
20850	2510	1RB-Mid Front	/	23.17	24.5	0.243	**0.33**	0.125	**0.17**	0.03
21350	2560	1RB-Mid Rear	Fig.20	23.06	24.5	0.370	**0.52**	0.191	**0.27**	-0.07
21100	2535	1RB-Mid Rear	/	23.12	24.5	0.355	**0.49**	0.183	**0.25**	-0.1
20850	2510	1RB-Mid Rear	/	23.17	24.5	0.327	**0.44**	0.168	**0.23**	0.08
20850	2510	50RB-Mid Front	/	22.22	23.5	0.195	**0.26**	0.101	**0.14**	-0.03
20850	2510	50RB-Mid Rear	/	22.22	23.5	0.258	**0.35**	0.133	**0.18**	0.15

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-21: SAR Values (LTE Band7 – Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
20850	2510	1RB-Mid Front	/	20.1	21	0.221	**0.27**	0.097	**0.12**	-0.06
20850	2510	1RB-Mid Rear	/	20.1	21	0.305	**0.38**	0.14	**0.17**	-0.1
20850	2510	1RB-Mid Left	/	20.1	21	0.113	**0.14**	0.059	**0.07**	-0.07
20850	2510	1RB-Mid Bottom	Fig.21	20.1	21	0.567	**0.70**	0.259	**0.32**	0.16
20850	2510	50RB-Mid Front	/	19.13	20	0.138	**0.17**	0.066	**0.08**	0.11
20850	2510	50RB-Mid Rear	/	19.13	20	0.178	**0.22**	0.078	**0.10**	0.12
20850	2510	50RB-Mid Left	/	19.13	20	0.066	**0.08**	0.033	**0.04**	0.1
20850	2510	50RB-Mid Bottom	/	19.13	20	0.455	**0.56**	0.204	**0.25**	-0.04

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-22: SAR Values (LTE Band12 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23060	704	1RB-Low	Left	Cheek	/	23.15	24.5	0.152	**0.21**	0.111	**0.15**	0.1
23060	704	1RB-Low	Left	Tilt	/	23.15	24.5	0.096	**0.13**	0.071	**0.10**	0.11
23060	704	1RB-Low	Right	Cheek	Fig.22	23.15	24.5	0.183	**0.25**	0.144	**0.20**	0.04
23060	704	1RB-Low	Right	Tilt	/	23.15	24.5	0.103	**0.14**	0.076	**0.10**	-0.09
23060	704	25RB-Low	Left	Cheek	/	22.1	23.5	0.115	**0.16**	0.085	**0.12**	0.02
23060	704	25RB-Low	Left	Tilt	/	22.1	23.5	0.073	**0.10**	0.055	**0.08**	-0.03
23060	704	25RB-Low	Right	Cheek	/	22.1	23.5	0.134	**0.18**	0.097	**0.13**	0.12
23060	704	25RB-Low	Right	Tilt	/	22.1	23.5	0.084	**0.12**	0.061	**0.08**	-0.03

Note1: The LTE mode is QPSK_10MHz.

Table 14.1-23: SAR Values (LTE Band12 – Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
23130	711	1RB-Low Front	/	23.15	24.5	0.231	**0.32**	0.167	**0.23**	-0.06
23130	711	1RB-Low Rear	Fig.23	23.15	24.5	0.321	**0.44**	0.245	**0.33**	0.13
23130	711	1RB-Low Left	/	23.15	24.5	0.051	**0.07**	0.034	**0.05**	-0.15
23130	711	1RB-Low Right	/	23.15	24.5	0.092	**0.13**	0.061	**0.08**	-0.09
23130	711	1RB-Low Bottom	/	23.15	24.5	0.183	**0.25**	0.094	**0.13**	0.12
23130	711	25RB-Low Front	/	22.1	23.5	0.18	**0.25**	0.129	**0.18**	-0.06
23130	711	25RB-Low Rear	/	22.1	23.5	0.246	**0.34**	0.177	**0.24**	-0.07
23130	711	25RB-Low Left	/	22.1	23.5	0.032	**0.04**	0.021	**0.03**	-0.05
23130	711	25RB-Low Right	/	22.1	23.5	0.064	**0.09**	0.042	**0.06**	0.09
23130	711	25RB-Low Bottom	/	22.1	23.5	0.123	**0.17**	0.065	**0.09**	0.05

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_10MHz.

Table 14.1-24: SAR Values (LTE Band25 - Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
26590	1905	1RB-Mid	Left	Cheek	Fig.24	23.2	24.5	0.205	**0.28**	0.134	**0.18**	0.03
26590	1905	1RB-Mid	Left	Tilt	/	23.2	24.5	0.101	**0.14**	0.063	**0.08**	-0.03
26590	1905	1RB-Mid	Right	Cheek	/	23.2	24.5	0.12	**0.16**	0.08	**0.11**	-0.08
26590	1905	1RB-Mid	Right	Tilt	/	23.2	24.5	0.105	**0.14**	0.067	**0.09**	0.06
26590	1905	50RB-Mid	Left	Cheek	/	22.2	23.5	0.151	**0.20**	0.1	**0.13**	0.14
26590	1905	50RB-Mid	Left	Tilt	/	22.2	23.5	0.08	**0.11**	0.051	**0.07**	0.09
26590	1905	50RB-Mid	Right	Cheek	/	22.2	23.5	0.101	**0.14**	0.066	**0.09**	0.07
26590	1905	50RB-Mid	Right	Tilt	/	22.2	23.5	0.084	**0.11**	0.053	**0.07**	0.01

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-25: SAR Values (LTE Band25– Body worn)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
26590	1905	1RB-Mid Front	/	23.2	24.5	0.230	**0.31**	0.143	**0.19**	-0.13
26590	1905	1RB-Mid Rear	Fig.25	23.2	24.5	0.391	**0.53**	0.230	**0.31**	-0.07
26590	1905	50RB-Mid Front	/	22.2	23.5	0.179	**0.24**	0.107	**0.14**	-0.15
26590	1905	50RB-Mid Rear	/	22.2	23.5	0.340	**0.46**	0.211	**0.28**	0.06

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-26: SAR Values (LTE Band25 – Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
26140	1860	1RB-Mid Front	/	21.05	22	0.33	**0.41**	0.189	**0.24**	-0.06
26140	1860	1RB-Mid Rear	Fig.26	21.05	22	0.451	**0.56**	0.256	**0.32**	-0.05
26140	1860	1RB-Mid Left	/	21.05	22	0.246	**0.31**	0.135	**0.17**	-0.15
26140	1860	1RB-Mid Bottom	/	21.05	22	0.329	**0.41**	0.191	**0.24**	0.03
26140	1860	50RB-Low Front	/	20.25	21	0.224	**0.27**	0.139	**0.17**	0.01
26140	1860	50RB-Low Rear	/	20.25	21	0.366	**0.43**	0.218	**0.26**	0.08
26140	1860	50RB-Low Left	/	20.25	21	0.17	**0.20**	0.096	**0.11**	0.02
26140	1860	50RB-Low Bottom	/	20.25	21	0.266	**0.32**	0.154	**0.18**	-0.04

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-27: SAR Values (LTE Band26 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
26965	841.5	1RB-Low	Left	Cheek	/	23.11	24.5	0.171	**0.24**	0.13	**0.18**	0.12
26965	841.5	1RB-Low	Left	Tilt	/	23.11	24.5	0.094	**0.13**	0.075	**0.10**	0.15
26965	841.5	1RB-Low	Right	Cheek	Fig.27	23.11	24.5	0.193	**0.27**	0.147	**0.20**	0.08
26965	841.5	1RB-Low	Right	Tilt	/	23.11	24.5	0.105	**0.14**	0.082	**0.11**	-0.15
26965	841.5	36RB-Low	Left	Cheek	/	22.02	23.5	0.135	**0.19**	0.103	**0.14**	-0.09
26965	841.5	36RB-Low	Left	Tilt	/	22.02	23.5	0.072	**0.10**	0.058	**0.08**	-0.06
26965	841.5	36RB-Low	Right	Cheek	/	22.02	23.5	0.155	**0.22**	0.118	**0.17**	0.07
26965	841.5	36RB-Low	Right	Tilt	/	22.02	23.5	0.082	**0.12**	0.063	**0.09**	0.02

Note1: The LTE mode is QPSK_15MHz.

Table 14.1-28: SAR Values (LTE Band26 – Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
26965	841.5	1RB-Low Front	/	23.11	24.5	0.163	**0.22**	0.109	**0.15**	0.09
26965	841.5	1RB-Low Rear	/	23.11	24.5	0.25	**0.34**	0.159	**0.22**	-0.03
26965	841.5	1RB-Low Left	/	23.11	24.5	0.032	**0.04**	0.022	**0.03**	0.15
26965	841.5	1RB-Low Right	/	23.11	24.5	0.042	**0.06**	0.031	**0.04**	-0.01
26965	841.5	1RB-Low Bottom	Fig.28	23.11	24.5	0.261	**0.36**	0.142	**0.20**	0.05
26965	841.5	36RB-Low Front	/	22.02	23.5	0.134	**0.19**	0.089	**0.13**	-0.02
26965	841.5	36RB-Low Rear	/	22.02	23.5	0.2	**0.28**	0.128	**0.18**	0.05
26965	841.5	36RB-Low Left	/	22.02	23.5	0.04	**0.06**	0.028	**0.04**	0.14
26965	841.5	36RB-Low Right	/	22.02	23.5	0.035	**0.05**	0.025	**0.04**	0.06
26965	841.5	36RB-Low Bottom	/	22.02	23.5	0.168	**0.24**	0.098	**0.14**	0.05

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_15MHz.

Table 14.1-29: SAR Values (LTE Band41 PC3 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
39750	2506	1RB-Mid	Left	Cheek	/	15.76	16	0.103	**0.11**	0.049	**0.05**	0.09
39750	2506	1RB-Mid	Left	Tilt	/	15.76	16	0.198	**0.21**	0.094	**0.10**	0.15
39750	2506	1RB-Mid	Right	Cheek	/	15.76	16	0.288	**0.30**	0.139	**0.15**	-0.09
39750	2506	1RB-Mid	Right	Tilt	Fig.29	15.76	16	0.406	**0.43**	0.167	**0.18**	0.06
39750	2506	50RB-Mid	Left	Cheek	/	14.73	15	0.085	**0.09**	0.04	**0.04**	0.09
39750	2506	50RB-Mid	Left	Tilt	/	14.73	15	0.153	**0.16**	0.073	**0.08**	-0.09
39750	2506	50RB-Mid	Right	Cheek	/	14.73	15	0.228	**0.24**	0.11	**0.12**	-0.04
39750	2506	50RB-Mid	Right	Tilt	/	14.73	15	0.323	**0.34**	0.132	**0.14**	0.12
39750	2506	UL CA	Right	Tilt	/	15.38	16	0.324	**0.37**	0.132	**0.15**	-0.06

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-30: SAR Values (LTE Band41 PC3– Body worn)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
39750	2506	1RB-Mid Front	Fig.30	24.16	24.5	0.212	**0.23**	0.110	**0.12**	0.05
39750	2506	1RB-Mid Rear	/	24.16	24.5	0.204	**0.22**	0.102	**0.11**	0.08
39750	2506	50RB-Mid Front	/	23.11	23.5	0.17	**0.19**	0.087	**0.10**	-0.13
39750	2506	50RB-Mid Rear	/	23.11	23.5	0.171	**0.19**	0.082	**0.09**	-0.01
39750	2506	UL CA Front	/	23.42	24.5	0.144	**0.18**	0.065	**0.08**	-0.06

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-31: SAR Values (LTE Band41 PC3 – Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
39750	2506	1RB-Mid Front	/	18.87	19	0.128	**0.13**	0.065	**0.07**	-0.1
39750	2506	1RB-Mid Rear	/	18.87	19	0.14	**0.14**	0.066	**0.07**	0.18
39750	2506	1RB-Mid Left	/	18.87	19	0.09	**0.09**	0.05	**0.05**	0.15
39750	2506	1RB-Mid Top	Fig.31	18.87	19	0.285	**0.29**	0.122	**0.13**	0.19
39750	2506	50RB-Mid Front	/	17.85	18	0.099	**0.10**	0.051	**0.05**	-0.07
39750	2506	50RB-Mid Rear	/	17.85	18	0.115	**0.12**	0.055	**0.06**	0.06
39750	2506	50RB-Mid Left	/	17.85	18	0.074	**0.08**	0.04	**0.04**	-0.02
39750	2506	50RB-Mid Top	/	17.85	18	0.223	**0.23**	0.096	**0.10**	0.13
39750	2506	UL CA Top	/	18.54	19	0.232	**0.26**	0.102	**0.11**	-0.11

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-32: SAR Values (LTE Band41 PC2 - Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
39750	2506	1RB-Mid	Left	Cheek	/	18.86	19.5	0.134	**0.16**	0.063	**0.07**	0.05
39750	2506	1RB-Mid	Left	Tilt	/	18.86	19.5	0.203	**0.24**	0.089	**0.10**	-0.14
39750	2506	1RB-Mid	Right	Cheek	/	18.86	19.5	0.434	**0.50**	0.19	**0.22**	0.11
39750	2506	1RB-Mid	Right	Tilt	Fig.32	18.86	19.5	0.567	**0.66**	0.225	**0.26**	0.07
39750	2506	50RB-Low	Left	Cheek	/	17.82	18.5	0.102	**0.12**	0.049	**0.06**	-0.07
39750	2506	50RB-Low	Left	Tilt	/	17.82	18.5	0.163	**0.19**	0.072	**0.08**	-0.11
39750	2506	50RB-Low	Right	Cheek	/	17.82	18.5	0.343	**0.40**	0.151	**0.18**	0.08
39750	2506	50RB-Low	Right	Tilt	/	17.82	18.5	0.452	**0.53**	0.178	**0.21**	0.11

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-33: SAR Values (LTE Band41 PC2– Body worn)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
39750	2506	1RB-Mid Front	Fig.33	27.06	27.5	0.279	**0.31**	0.122	**0.14**	-0.09
39750	2506	1RB-Mid Rear	/	27.06	27.5	0.268	**0.30**	0.114	**0.13**	0.14
39750	2506	50RB-Mid Front	/	26.13	26.5	0.221	**0.24**	0.097	**0.11**	0.01
39750	2506	50RB-Mid Rear	/	26.13	26.5	0.222	**0.24**	0.093	**0.10**	0.01

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-34: SAR Values (LTE Band41 PC2 – Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
39750	2506	1RB-Mid Front	/	21.9	22.5	0.182	**0.21**	0.089	**0.10**	-0.05
39750	2506	1RB-Mid Rear	/	21.9	22.5	0.219	**0.25**	0.101	**0.12**	0.03
39750	2506	1RB-Mid Left	/	21.9	22.5	0.131	**0.15**	0.069	**0.08**	-0.14
39750	2506	1RB-Mid Top	Fig.34	21.9	22.5	0.371	**0.43**	0.16	**0.18**	0.16
39750	2506	50RB-Mid Front	/	20.86	21.5	0.144	**0.17**	0.071	**0.08**	0.14
39750	2506	50RB-Mid Rear	/	20.86	21.5	0.177	**0.21**	0.079	**0.09**	0.11
39750	2506	50RB-Mid Left	/	20.86	21.5	0.112	**0.13**	0.058	**0.07**	-0.16
39750	2506	50RB-Mid Top	/	20.86	21.5	0.295	**0.34**	0.127	**0.15**	-0.05

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-35: SAR Values (LTE Band66 ANT1- Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
132322	1745	1RB-Mid	Left	Cheek	Fig.35	23.29	24.5	0.169	**0.22**	0.11	**0.15**	0.14
132322	1745	1RB-Mid	Left	Tilt	/	23.29	24.5	0.101	**0.13**	0.061	**0.08**	-0.14
132322	1745	1RB-Mid	Right	Cheek	/	23.29	24.5	0.134	**0.18**	0.084	**0.11**	-0.11
132322	1745	1RB-Mid	Right	Tilt	/	23.29	24.5	0.124	**0.16**	0.075	**0.10**	0.05
132322	1745	50RB-Mid	Left	Cheek	/	22.29	23.5	0.145	**0.19**	0.092	**0.12**	-0.17
132322	1745	50RB-Mid	Left	Tilt	/	22.29	23.5	0.079	**0.10**	0.048	**0.06**	-0.05
132322	1745	50RB-Mid	Right	Cheek	/	22.29	23.5	0.113	**0.15**	0.071	**0.09**	-0.03
132322	1745	50RB-Mid	Right	Tilt	/	22.29	23.5	0.1	**0.13**	0.059	**0.08**	-0.06

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-36: SAR Values (LTE Band66 ANT1 – Body worn)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
132322	1745	1RB-Mid Front	/	23.29	24.5	0.197	**0.26**	0.128	**0.17**	0.18
132322	1745	1RB-Mid Rear	Fig.36	23.29	24.5	0.307	**0.41**	0.199	**0.26**	-0.1
132322	1745	50RB-Mid Front	/	22.29	23.5	0.163	**0.22**	0.105	**0.14**	0.12
132322	1745	50RB-Mid Rear	/	22.29	23.5	0.245	**0.32**	0.159	**0.21**	0.16

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-37: SAR Values (LTE Band66 ANT1– Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
132322	1745	1RB-Mid Front	/	21.22	22	0.203	**0.24**	0.128	**0.15**	0.1
132322	1745	1RB-Mid Rear	Fig.37	21.22	22	0.301	**0.36**	0.196	**0.23**	0.09
132322	1745	1RB-Mid Left	/	21.22	22	0.13	**0.16**	0.079	**0.09**	0.08
132322	1745	1RB-Mid Bottom	/	21.22	22	0.201	**0.24**	0.121	**0.14**	0.02
132322	1745	50RB-Low Front	/	20.41	21	0.161	**0.18**	0.102	**0.12**	-0.05
132322	1745	50RB-Low Rear	/	20.41	21	0.238	**0.27**	0.156	**0.18**	0.15
132322	1745	50RB-Low Left	/	20.41	21	0.088	**0.10**	0.054	**0.06**	-0.13
132322	1745	50RB-Low Bottom	/	20.41	21	0.147	**0.17**	0.087	**0.10**	0.02
132072	1720	1RB-Mid Front	Note3	19.05	20	0.114	**0.14**	0.071	**0.09**	-0.06
132072	1720	1RB-Mid Rear	Note3	19.05	20	0.173	**0.22**	0.112	**0.14**	0.09
132072	1720	1RB-Mid Left	Note3	19.05	20	0.076	**0.09**	0.043	**0.05**	-0.12
132072	1720	1RB-Mid Bottom	Note3	19.05	20	0.103	**0.13**	0.061	**0.08**	0.06
132072	1720	50RB-Low Front	Note3	18.11	19	0.095	**0.12**	0.059	**0.07**	-0.07
132072	1720	50RB-Low Rear	Note3	18.11	19	0.144	**0.18**	0.092	**0.11**	0.11
132072	1720	50RB-Low Left	Note3	18.11	19	0.062	**0.08**	0.035	**0.04**	0.06
132072	1720	50RB-Low Bottom	Note3	18.11	19	0.084	**0.10**	0.049	**0.06**	-0.07

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Note3: The results are for ENDC only.

Table 14.1-38: SAR Values (LTE Band66 ANT3- Head)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
132072	1720	1RB-Mid	Left	Cheek	/	14.98	16	0.277	**0.35**	0.128	**0.16**	0.06
132072	1720	1RB-Mid	Left	Tilt	/	14.98	16	0.311	**0.39**	0.134	**0.17**	0.02
132072	1720	1RB-Mid	Right	Cheek	/	14.98	16	0.418	**0.53**	0.198	**0.25**	0.06
132072	1720	1RB-Mid	Right	Tilt	Fig.38	14.98	16	0.479	**0.61**	0.22	**0.28**	0.02
132072	1720	50RB-Mid	Left	Cheek	/	13.99	15	0.229	**0.29**	0.108	**0.14**	-0.12
132072	1720	50RB-Mid	Left	Tilt	/	13.99	15	0.271	**0.34**	0.121	**0.15**	-0.11
132072	1720	50RB-Mid	Right	Cheek	/	13.99	15	0.312	**0.39**	0.153	**0.19**	-0.15
132072	1720	50RB-Mid	Right	Tilt	/	13.99	15	0.38	**0.48**	0.174	**0.22**	-0.01

Note1: The LTE mode is QPSK_20MHz.

Note2: All the results are for ENDC only.

Table 14.1-39: SAR Values (LTE Band66 ANT3 – Body worn)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
132072	1720	1RB-Mid Front	/	23.09	24.5	0.283	**0.39**	0.165	**0.23**	0.13
132072	1720	1RB-Mid Rear	Fig.39	23.09	24.5	0.293	**0.41**	0.175	**0.24**	-0.05
132072	1720	50RB-Low Front	/	22.09	23.5	0.228	**0.32**	0.14	**0.19**	0.08
132072	1720	50RB-Low Rear	/	22.09	23.5	0.224	**0.31**	0.148	**0.20**	0.18

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Note3: All the results are for ENDC only.

Table 14.1-40 SAR Values (LTE Band66 ANT3 – Hotspot)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
132072	1720	1RB-Mid Front	/	21.08	22	0.419	**0.52**	0.22	**0.27**	-0.16
132072	1720	1RB-Mid Rear	/	21.08	22	0.381	**0.47**	0.227	**0.28**	-0.13
132072	1720	1RB-Mid Left	/	21.08	22	0.095	**0.12**	0.056	**0.07**	-0.16
132072	1720	1RB-Mid Top	Fig.40	21.08	22	0.529	**0.65**	0.27	**0.33**	0.01
132072	1720	50RB-Mid Front	/	20.11	21	0.331	**0.41**	0.181	**0.22**	-0.06
132072	1720	50RB-Mid Rear	/	20.11	21	0.313	**0.38**	0.189	**0.23**	0.15
132072	1720	50RB-Mid Left	/	20.11	21	0.089	**0.11**	0.052	**0.06**	0.04
132072	1720	50RB-Mid Top	/	20.11	21	0.43	**0.53**	0.219	**0.27**	-0.09

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Note3: All the results are for ENDC only.

Table 14.1-41: SAR Values (LTE Band71- Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz											
133222	673	1RB-Mid	Left	Cheek	/	23.35	24.5	0.144	**0.19**	0.106	**0.14**	0.15
133222	673	1RB-Mid	Left	Tilt	/	23.35	24.5	0.086	**0.11**	0.064	**0.08**	0.15
133222	673	1RB-Mid	Right	Cheek	Fig.41	23.35	24.5	0.154	**0.20**	0.121	**0.16**	0.07
133222	673	1RB-Mid	Right	Tilt	/	23.35	24.5	0.091	**0.12**	0.068	**0.09**	-0.04
133222	673	50RB-Mid	Left	Cheek	/	22.32	23.5	0.116	**0.15**	0.086	**0.11**	-0.05
133222	673	50RB-Mid	Left	Tilt	/	22.32	23.5	0.065	**0.09**	0.049	**0.06**	-0.01
133222	673	50RB-Mid	Right	Cheek	/	22.32	23.5	0.132	**0.17**	0.097	**0.13**	0.05
133222	673	50RB-Mid	Right	Tilt	/	22.32	23.5	0.073	**0.10**	0.055	**0.07**	0.08

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-42 SAR Values (LTE Band71 – Body)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC										
Frequency		Mode	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
133222	673	1RB-Mid Front	/	23.35	24.5	0.215	**0.28**	0.155	**0.20**	-0.17
133222	673	1RB-Mid Rear	Fig.42	23.35	24.5	0.303	**0.39**	0.232	**0.30**	0.09
133222	673	1RB-Mid Left	/	23.35	24.5	0.044	**0.06**	0.03	**0.04**	0.12
133222	673	1RB-Mid Right	/	23.35	24.5	0.065	**0.08**	0.044	**0.06**	-0.03
133222	673	1RB-Mid Bottom	/	23.35	24.5	0.164	**0.21**	0.089	**0.12**	-0.13
133222	673	50RB-Mid Front	/	22.32	23.5	0.156	**0.20**	0.113	**0.15**	0.03
133222	673	50RB-Mid Rear	/	22.32	23.5	0.226	**0.30**	0.166	**0.22**	0.13
133222	673	50RB-Mid Left	/	22.32	23.5	0.061	**0.08**	0.039	**0.05**	-0.1
133222	673	50RB-Mid Right	/	22.32	23.5	0.059	**0.08**	0.039	**0.05**	-0.14
133222	673	50RB-Mid Bottom	/	22.32	23.5	0.132	**0.17**	0.073	**0.10**	0.15

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

14.2 SAR results for 5G NR

Table 14.2-1: SAR Values (n25 – Head) – SA/NSA

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C						
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
376500	1882.5	Left	Cheek	Fig.43	22.86	24	0.164	**0.21**	0.104	**0.14**	-0.19
376500	1882.5	Left	Tilt	/	22.86	24	0.077	**0.10**	0.048	**0.06**	0.02
376500	1882.5	Right	Cheek	/	22.86	24	0.099	**0.13**	0.065	**0.08**	-0.14
376500	1882.5	Right	Tilt	/	22.86	24	0.105	**0.14**	0.063	**0.08**	-0.06

Table 14.2-2: SAR Values (n25 – Body worn) – SA/NSA

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
376500	1882.5	Front	/	22.86	24	0.154	**0.20**	0.097	**0.13**	-0.14
376500	1882.5	Rear	Fig.44	22.86	24	0.252	**0.33**	0.148	**0.19**	0.19

Note1: The distance between the EUT and the phantom bottom is 15mm

Table 14.2-3: SAR Values (n25 – Hotspot) – SA/NSA

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
376500	1882.5	Front	/	21.72	23	0.221	**0.30**	0.126	**0.17**	0.15
376500	1882.5	Rear	Fig.45	21.72	23	0.406	**0.55**	0.228	**0.31**	0.11
376500	1882.5	Left	/	21.72	23	0.188	**0.25**	0.101	**0.14**	-0.04
376500	1882.5	Bottom	/	21.72	23	0.183	**0.25**	0.106	**0.14**	0.11
376500	1882.5	Front	Note2	19.69	21	0.142	**0.19**	0.082	**0.11**	-0.11
376500	1882.5	Rear	Note2	19.69	21	0.249	**0.34**	0.141	**0.19**	0.18
376500	1882.5	Left	Note2	19.69	21	0.095	**0.13**	0.05	**0.07**	-0.08
376500	1882.5	Bottom	Note2	19.69	21	0.13	**0.18**	0.075	**0.10**	-0.01

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The results are only for NSA.

Table 14.2-4: SAR Values (n41–Head) – SA/NSA

Ambient Temperature: 22.9 ºC					Liquid Temperature: 22.5ºC						
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
518598	2592.99	Left	Cheek	/	15.38	16	0.195	**0.22**	0.096	**0.11**	-0.05
518598	2592.99	Left	Tilt	/	15.38	16	0.284	**0.33**	0.129	**0.15**	-0.12
518598	2592.99	Right	Cheek	/	15.38	16	0.596	**0.69**	0.283	**0.33**	0.07
518598	2592.99	Right	Tilt	Fig.46	15.38	16	0.686	**0.79**	0.282	**0.33**	0.14

Table 14.2-5: SAR Values (n41–Body worn) – SA/NSA

Ambient Temperature: 22.9 ºC					Liquid Temperature: 22.5ºC					
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
518598	2592.99	Front	Fig.47	26.58	27	0.66	**0.73**	0.348	**0.38**	-0.04
518598	2592.99	Rear	/	26.58	27	0.536	**0.59**	0.259	**0.29**	0.15

Note1: The distance between the EUT and the phantom bottom is 15mm

Table 14.2-6: SAR Values (n41–Hotspot) – SA/NSA

Ambient Temperature: 22.9 ºC					Liquid Temperature: 22.5ºC					
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
518598	2592.99	Front	/	19.38	20	0.356	**0.41**	0.175	**0.20**	-0.1
518598	2592.99	Rear	/	19.38	20	0.33	**0.38**	0.147	**0.17**	-0.06
518598	2592.99	Left	/	19.38	20	0.26	**0.30**	0.129	**0.15**	0.15
518598	2592.99	Top	Fig.48	19.38	20	0.619	**0.71**	0.251	**0.29**	0.08
518598	2592.99	Front	Note2	17.34	18	0.198	**0.23**	0.105	**0.12**	0.09
518598	2592.99	Rear	Note2	17.34	18	0.205	**0.24**	0.096	**0.11**	-0.09
518598	2592.99	Left	Note2	17.34	18	0.159	**0.19**	0.082	**0.10**	-0.11
518598	2592.99	Top	Note2	17.34	18	0.395	**0.46**	0.159	**0.19**	0.05

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The results are only for NSA.

Table 14.2-7: SAR Values (n66 – Head) – SA/NSA

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
349000	1745	Left	Cheek	Fig.49	23.08	24	0.077	**0.10**	0.05	**0.06**	0.09
349000	1745	Left	Tilt	/	23.08	24	0.048	**0.06**	0.029	**0.04**	-0.05
349000	1745	Right	Cheek	/	23.08	24	0.056	**0.07**	0.035	**0.04**	-0.12
349000	1745	Right	Tilt	/	23.08	24	0.055	**0.07**	0.033	**0.04**	-0.02

Table 14.2-8: SAR Values (n66 – Body worn) – SA/NSA

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
349000	1745	Front	/	23.08	24	0.135	**0.17**	0.089	**0.11**	0.03
349000	1745	Rear	Fig.50	23.08	24	0.182	**0.22**	0.12	**0.15**	-0.12

Note1: The distance between the EUT and the phantom bottom is 15mm

Table 14.2-9: SAR Values (n66 –Hotspot) – SA/NSA

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
349000	1745	Front	/	22.07	23	0.182	**0.23**	0.115	**0.14**	0.06
349000	1745	Rear	Fig.51	22.07	23	0.25	**0.31**	0.164	**0.20**	0.04
349000	1745	Left	/	22.07	23	0.118	**0.15**	0.069	**0.09**	0.02
349000	1745	Bottom	/	22.07	23	0.164	**0.20**	0.099	**0.12**	-0.1
349000	1745	Front	Note2	20.14	21	0.107	**0.13**	0.069	**0.08**	0.18
349000	1745	Rear	Note2	20.14	21	0.154	**0.19**	0.101	**0.12**	0.03
349000	1745	Left	Note2	20.14	21	0.068	**0.08**	0.04	**0.05**	0.06
349000	1745	Bottom	Note2	20.14	21	0.098	**0.12**	0.06	**0.07**	0.03

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The results are only for NSA.

Table 14.2-10: SAR Values (n71–Head) – SA/NSA

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz										
136100	680.5	Left	Cheek	/	23.56	24	0.084	**0.09**	0.066	**0.07**	0.17
136100	680.5	Left	Tilt	/	23.56	24	0.046	**0.05**	0.037	**0.04**	0.02
136100	680.5	Right	Cheek	Fig.52	23.56	24	0.088	**0.10**	0.069	**0.08**	0.09
136100	680.5	Right	Tilt	/	23.56	24	0.048	**0.05**	0.039	**0.04**	0.08

Table 14.2-11: SAR Values (n71-Body) – SA/NSA

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC										
Frequency		Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift (dB)
Ch.	MHz									
136100	680.5	Front	/	23.56	24	0.152	**0.17**	0.11	**0.12**	0.09
136100	680.5	Rear	/	23.56	24	0.2	**0.22**	0.146	**0.16**	-0.09
136100	680.5	Left	/	23.56	24	0.149	**0.16**	0.099	**0.11**	0.16
136100	680.5	Right	Fig.53	23.56	24	0.232	**0.26**	0.162	**0.18**	0.1
136100	680.5	Bottom	/	23.56	24	0.108	**0.12**	0.055	**0.06**	0.04

Note1: The distance between the EUT and the phantom bottom is 10mm