

WCDMA Band 2(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
364.17	H	32.11	-75.35	0.00	0.35	-75.70	-13.00	62.70
78.31	V	31.46	-73.83	-0.84	0.18	-74.85	-13.00	61.85
3704.80	H	50.32	-61.50	13.98	1.81	-49.33	-13.00	36.33
3704.80	V	50.46	-61.33	13.98	1.81	-49.16	-13.00	36.16
5557.20	H	50.29	-57.23	13.97	1.27	-44.53	-13.00	31.53
5557.20	V	50.08	-57.29	13.97	1.27	-44.59	-13.00	31.59
WCDMA Band II, Frequency:1880 MHz								
367.77	H	31.65	-75.74	0.00	0.36	-76.10	-13.00	63.10
80.21	V	32.04	-73.03	0.00	0.18	-73.21	-13.00	60.21
3760.00	H	50.32	-61.02	13.76	1.63	-48.89	-13.00	35.89
3760.00	V	50.49	-60.72	13.76	1.63	-48.59	-13.00	35.59
5640.00	H	50.28	-57.04	14.02	1.31	-44.33	-13.00	31.33
5640.00	V	50.18	-57.02	14.02	1.31	-44.31	-13.00	31.31
WCDMA Band II, Frequency:1907.6MHz								
368.99	H	32.04	-75.33	0.00	0.36	-75.69	-13.00	62.69
78.21	V	31.21	-74.09	-0.90	0.18	-75.17	-13.00	62.17
3815.20	H	50.31	-60.61	13.57	1.50	-48.54	-13.00	35.54
3815.20	V	50.19	-60.55	13.57	1.50	-48.48	-13.00	35.48
5722.80	H	50.07	-57.39	13.95	1.32	-44.76	-13.00	31.76
5722.80	V	50.71	-56.71	13.95	1.32	-44.08	-13.00	31.08

WCDMA Band 4(30MHz-18GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV, Frequency:1712.4 MHz								
100.29	H	32.01	-79.52	0.00	0.10	-79.62	-13.00	66.62
218.56	V	31.91	-75.12	0.00	0.21	-75.33	-13.00	62.33
3424.80	H	50.30	-62.29	14.03	1.63	-49.89	-13.00	36.89
3424.80	V	50.18	-62.48	14.03	1.63	-50.08	-13.00	37.08
5137.20	H	50.57	-57.45	13.94	1.39	-44.90	-13.00	31.90
5137.20	V	50.98	-56.97	13.94	1.39	-44.42	-13.00	31.42
WCDMA Band IV, Frequency:1732.6 MHz								
99.10	H	31.11	-80.40	0.00	0.11	-80.51	-13.00	67.51
220.63	V	31.41	-75.68	0.00	0.22	-75.90	-13.00	62.90
3465.20	H	50.74	-61.70	13.90	1.62	-49.42	-13.00	36.42
3465.20	V	50.60	-61.88	13.90	1.62	-49.60	-13.00	36.60
5197.80	H	50.55	-56.97	14.00	1.52	-44.49	-13.00	31.49
5197.80	V	50.41	-57.19	14.00	1.52	-44.71	-13.00	31.71
WCDMA Band IV, Frequency:1752.6MHz								
99.97	H	31.87	-79.69	0.00	0.10	-79.79	-13.00	66.79
234.69	V	32.06	-75.45	0.00	0.24	-75.69	-13.00	62.69
3505.20	H	50.57	-61.76	13.82	1.60	-49.54	-13.00	36.54
3505.20	V	50.66	-61.67	13.82	1.60	-49.45	-13.00	36.45
5257.80	H	50.38	-58.15	14.17	1.31	-45.29	-13.00	32.29
5257.80	V	50.27	-58.34	14.17	1.31	-45.48	-13.00	32.48

WCDMA Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
120.50	H	32.08	-77.54	0.00	0.21	-77.75	-13.00	64.75
78.05	V	31.71	-73.62	-0.98	0.18	-74.78	-13.00	61.78
1652.80	H	50.22	-67.83	10.47	0.72	-58.08	-13.00	45.08
1652.80	V	50.32	-68.33	10.47	0.72	-58.58	-13.00	45.58
2479.20	H	50.19	-65.93	12.93	1.25	-54.25	-13.00	41.25
2479.20	V	50.56	-65.60	12.93	1.25	-53.92	-13.00	40.92
3305.60	H	50.67	-62.31	13.63	1.59	-50.27	-13.00	37.27
3305.60	V	50.75	-62.24	13.63	1.59	-50.20	-13.00	37.20
WCDMA Band 5 Frequency:836.6MHz								
138.25	H	31.54	-78.46	0.00	0.23	-78.69	-13.00	65.69
90.61	V	32.19	-75.01	0.00	0.18	-75.19	-13.00	62.19
1673.20	H	50.77	-66.97	10.61	0.73	-57.09	-13.00	44.09
1673.20	V	50.49	-67.85	10.61	0.73	-57.97	-13.00	44.97
2509.80	H	50.68	-65.59	13.11	1.25	-53.73	-13.00	40.73
2509.80	V	50.10	-66.20	13.11	1.25	-54.34	-13.00	41.34
3346.40	H	50.17	-62.68	13.83	1.61	-50.46	-13.00	37.46
3346.40	V	50.27	-62.63	13.83	1.61	-50.41	-13.00	37.41
WCDMA Band 5 Frequency:846.6MHz								
130.44	H	31.24	-78.59	0.00	0.22	-78.81	-13.00	65.81
91.63	V	32.35	-74.90	0.00	0.18	-75.08	-13.00	62.08
1693.20	H	50.27	-67.17	10.75	0.75	-57.17	-13.00	44.17
1693.20	V	50.32	-67.72	10.75	0.75	-57.72	-13.00	44.72
2539.80	H	50.16	-66.24	13.14	1.27	-54.37	-13.00	41.37
2539.80	V	50.07	-66.45	13.14	1.27	-54.58	-13.00	41.58
3386.40	H	50.09	-62.63	14.03	1.63	-50.23	-13.00	37.23
3386.40	V	50.35	-62.46	14.03	1.63	-50.06	-13.00	37.06

LTE Bands:

(The Worst modulation and bandwidth was below)

LTE Band 2(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 1.4MHz, QPSK,Frequency:1850.7 MHz								
331.47	H	32.54	-75.52	0.00	0.33	-75.85	-13.00	62.85
78.03	V	32.05	-73.28	-0.98	0.18	-74.44	-13.00	61.44
3701.40	H	50.32	-61.53	13.99	1.83	-49.37	-13.00	36.37
3701.40	V	53.26	-58.56	13.99	1.83	-46.40	-13.00	33.40
5552.10	H	50.41	-57.15	13.96	1.27	-44.46	-13.00	31.46
5552.10	V	53.29	-54.12	13.96	1.27	-41.43	-13.00	28.43
1RB, 1.4MHz, QPSK,Frequency:1880 MHz								
330.33	H	32.66	-75.43	0.00	0.33	-75.76	-13.00	62.76
79.14	V	31.25	-73.91	-0.43	0.18	-74.52	-13.00	61.52
3760.00	H	50.11	-61.23	13.76	1.63	-49.10	-13.00	36.10
3760.00	V	53.29	-57.92	13.76	1.63	-45.79	-13.00	32.79
5640.00	H	50.62	-56.70	14.02	1.31	-43.99	-13.00	30.99
5640.00	V	52.27	-54.93	14.02	1.31	-42.22	-13.00	29.22
1RB, 1.4MHz, QPSK,Frequency:1909.3 MHz								
331.50	H	32.60	-75.46	0.00	0.33	-75.79	-13.00	62.79
78.24	V	31.62	-73.68	-0.88	0.18	-74.74	-13.00	61.74
3818.60	H	50.58	-60.33	13.56	1.50	-48.27	-13.00	35.27
3818.60	V	53.26	-57.46	13.56	1.50	-45.40	-13.00	32.40
5727.90	H	50.19	-57.26	13.96	1.31	-44.61	-13.00	31.61
5727.90	V	53.28	-54.13	13.96	1.31	-41.48	-13.00	28.48

LTE Band 4(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 1.4MHz, QPSK,Frequency:1710.7 MHz								
906.27	H	42.87	-52.51	0.00	0.51	-53.02	-13.00	40.02
915.84	V	36.45	-55.32	0.00	0.51	-55.83	-13.00	42.83
3421.40	H	55.65	-56.95	14.04	1.63	-44.54	-13.00	31.54
3421.40	V	56.19	-56.49	14.04	1.63	-44.08	-13.00	31.08
5132.10	H	52.32	-55.75	13.93	1.37	-43.19	-13.00	30.19
5132.10	V	53.16	-54.82	13.93	1.37	-42.26	-13.00	29.26
1RB, 1.4MHz, QPSK,Frequency:1732.5 MHz								
140.31	H	31.65	-78.40	0.00	0.23	-78.63	-13.00	65.63
139.59	V	31.25	-73.37	0.00	0.23	-73.60	-13.00	60.60
3465.00	H	56.29	-56.15	13.91	1.62	-43.86	-13.00	30.86
3465.00	V	56.87	-55.61	13.91	1.62	-43.32	-13.00	30.32
5197.50	H	52.04	-55.48	14.00	1.52	-43.00	-13.00	30.00
5197.50	V	52.68	-54.92	14.00	1.52	-42.44	-13.00	29.44
1RB, 1.4MHz, QPSK,Frequency:1754.3MHz								
144.58	H	31.28	-78.93	0.00	0.23	-79.16	-13.00	66.16
140.28	V	32.16	-72.50	0.00	0.23	-72.73	-13.00	59.73
3508.60	H	54.60	-57.74	13.83	1.60	-45.51	-13.00	32.51
3508.60	V	55.28	-57.06	13.83	1.60	-44.83	-13.00	31.83
5262.90	H	53.26	-55.36	14.19	1.29	-42.46	-13.00	29.46
5262.90	V	53.74	-54.96	14.19	1.29	-42.06	-13.00	29.06

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 1.4MHz, QPSK, Frequency: 824.7 MHz								
31.96	H	32.55	-39.77	-25.40	0.14	-65.31	-13.00	52.31
31.40	V	47.45	-28.05	-25.66	0.14	-53.85	-13.00	40.85
1649.40	H	60.58	-57.52	10.45	0.71	-47.78	-13.00	34.78
1649.40	V	67.60	-51.10	10.45	0.71	-41.36	-13.00	28.36
2474.10	H	57.62	-58.47	12.89	1.25	-46.83	-13.00	33.83
2474.10	V	61.32	-54.82	12.89	1.25	-43.18	-13.00	30.18
3298.80	H	50.24	-62.75	13.60	1.59	-50.74	-13.00	37.74
3298.80	V	50.32	-62.67	13.60	1.59	-50.66	-13.00	37.66
1RB, 1.4MHz, QPSK, Frequency: 836.5 MHz								
31.96	H	39.01	-33.30	-25.40	0.14	-58.84	-13.00	45.84
35.75	V	48.20	-33.17	-24.36	0.10	-57.63	-13.00	44.63
1673.00	H	60.35	-57.40	10.61	0.73	-47.52	-13.00	34.52
1673.00	V	65.29	-53.06	10.61	0.73	-43.18	-13.00	30.18
2509.50	H	62.35	-53.92	13.11	1.25	-42.06	-13.00	29.06
2509.50	V	63.00	-53.30	13.11	1.25	-41.44	-13.00	28.44
3346.00	H	50.32	-62.53	13.83	1.61	-50.31	-13.00	37.31
3346.00	V	50.48	-62.42	13.83	1.61	-50.20	-13.00	37.20
1RB, 1.4MHz, QPSK, Frequency: 848.3 MHz								
32.47	H	42.24	-30.80	-25.16	0.13	-56.09	-13.00	43.09
30.10	V	56.43	-17.33	-26.25	0.16	-43.74	-13.00	30.74
1696.60	H	62.35	-55.04	10.78	0.75	-45.01	-13.00	32.01
1696.60	V	78.95	-39.04	10.78	0.75	-29.01	-13.00	16.01
2544.90	H	62.34	-54.09	13.14	1.27	-42.22	-13.00	29.22
2544.90	V	68.97	-47.59	13.14	1.27	-35.72	-13.00	22.72
3393.20	H	50.34	-62.36	14.07	1.64	-49.93	-13.00	36.93
3393.20	V	50.47	-62.32	14.07	1.64	-49.89	-13.00	36.89

LTE Band 7 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 5MHz, QPSK, Frequency: 2502.5 MHz								
55.19	H	31.92	-68.76	-12.51	0.18	-81.45	-25.00	56.45
78.06	V	31.51	-73.81	-0.97	0.18	-74.96	-25.00	49.96
5005.00	H	54.28	-55.48	14.00	1.43	-42.91	-25.00	17.91
5005.00	V	54.68	-54.84	14.00	1.43	-42.27	-25.00	17.27
7507.50	H	50.30	-51.72	13.20	1.33	-39.85	-25.00	14.85
7507.50	V	50.32	-52.18	13.20	1.33	-40.31	-25.00	15.31
1RB, 5MHz, QPSK, Frequency:2535 MHz								
60.24	H	31.24	-72.84	-10.17	0.17	-83.18	-25.00	58.18
80.21	V	31.57	-73.50	0.00	0.18	-73.68	-25.00	48.68
5070.00	H	57.26	-51.52	13.93	1.34	-38.93	-25.00	13.93
5070.00	V	57.24	-51.35	13.93	1.34	-38.76	-25.00	13.76
7605.00	H	50.20	-52.07	13.21	1.40	-40.26	-25.00	15.26
7605.00	V	50.21	-52.46	13.21	1.40	-40.65	-25.00	15.65
1RB, 5MHz, QPSK, Frequency: 2567.5 MHz								
52.35	H	32.01	-66.71	-13.82	0.19	-80.72	-25.00	55.72
77.59	V	31.26	-74.14	-1.21	0.18	-75.53	-25.00	50.53
5135.00	H	60.32	-47.72	13.94	1.38	-35.16	-25.00	10.16
5135.00	V	63.59	-44.37	13.94	1.38	-31.81	-25.00	6.81
7702.50	H	50.18	-52.34	13.40	1.47	-40.41	-25.00	15.41
7702.50	V	50.32	-52.52	13.40	1.47	-40.59	-25.00	15.59

LTE Band 38 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 5MHz, QPSK, Frequency: 2572.5MHz								
59.38	H	32.65	-70.92	-10.59	0.17	-81.68	-25.00	56.68
79.80	V	32.41	-72.65	-0.10	0.18	-72.93	-25.00	47.93
5145.00	H	61.25	-46.71	13.95	1.40	-34.16	-25.00	9.16
5145.00	V	68.59	-39.31	13.95	1.40	-26.76	-25.00	1.76
7717.50	H	50.32	-52.24	13.38	1.48	-40.34	-25.00	15.34
7717.50	V	55.26	-47.61	13.38	1.48	-35.71	-25.00	10.71
1RB, 5MHz, QPSK, Frequency:2595 MHz								
62.31	H	32.65	-72.15	-9.08	0.17	-81.40	-25.00	56.40
81.54	V	33.15	-72.21	0.00	0.18	-72.39	-25.00	47.39
5190.00	H	61.36	-46.23	13.99	1.51	-33.75	-25.00	8.75
5190.00	V	67.59	-40.05	13.99	1.51	-27.57	-25.00	2.57
7785.00	H	52.32	-50.42	13.32	1.53	-38.63	-25.00	13.63
7785.00	V	60.29	-42.70	13.32	1.53	-30.91	-25.00	5.91
1RB, 5MHz, QPSK, Frequency: 2617.5 MHz								
60.35	H	32.74	-71.38	-10.11	0.17	-81.66	-25.00	56.66
80.27	V	33.62	-71.47	0.00	0.18	-71.65	-25.00	46.65
5235.00	H	67.55	-40.58	14.11	1.40	-27.87	-25.00	2.87
5235.00	V	68.54	-39.67	14.11	1.40	-26.96	-25.00	1.96
7852.50	H	56.29	-46.63	13.25	1.58	-34.96	-25.00	9.96
7852.50	V	58.57	-44.54	13.25	1.58	-32.87	-25.00	7.87

LTE Band 41(30MHz-27GHz):

ETL Data 4 (5MHz 27 GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 5MHz, QPSK, Frequency: 2537.5 MHz								
80.63	H	33.16	-74.48	0.00	0.18	-74.66	-25.00	49.66
120.36	V	32.57	-71.67	0.00	0.21	-71.88	-25.00	46.88
5075.00	H	66.45	-42.26	13.93	1.34	-29.67	-25.00	4.67
5075.00	V	69.35	-39.17	13.93	1.34	-26.58	-25.00	1.58
7612.50	H	54.55	-47.74	13.23	1.40	-35.91	-25.00	10.91
7612.50	V	57.48	-45.21	13.23	1.40	-33.38	-25.00	8.38
1RB, 5MHz, QPSK, Frequency:2595 MHz								
79.51	H	33.26	-74.15	-0.24	0.18	-74.57	-25.00	49.57
123.59	V	33.58	-70.72	0.00	0.21	-70.93	-25.00	45.93
5190.00	H	63.89	-43.70	13.99	1.51	-31.22	-25.00	6.22
5190.00	V	68.59	-39.05	13.99	1.51	-26.57	-25.00	1.57
7785.00	H	54.28	-48.46	13.32	1.53	-36.67	-25.00	11.67
7785.00	V	60.59	-42.40	13.32	1.53	-30.61	-25.00	5.61
1RB, 5MHz, QPSK, Frequency: 2652.5 MHz								
81.36	H	33.26	-74.65	0.00	0.18	-74.83	-25.00	49.83
122.59	V	32.75	-71.53	0.00	0.21	-71.74	-25.00	46.74
5305.00	H	64.25	-44.93	14.29	1.17	-31.81	-25.00	6.81
5305.00	V	66.29	-42.97	14.29	1.17	-29.85	-25.00	4.85
7957.50	H	54.28	-48.91	13.32	1.66	-37.25	-25.00	12.25
7957.50	V	60.35	-42.94	13.32	1.66	-31.28	-25.00	6.28

LTE Band 66 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 1.4MHz,QPSK, Frequency: 1710.7 MHz								
128.54	H	32.65	-77.14	0.00	0.22	-77.36	-13.00	64.36
79.24	V	33.16	-71.99	-0.38	0.18	-72.55	-13.00	59.55
3421.40	H	55.26	-57.34	14.04	1.63	-44.93	-13.00	31.93
3421.40	V	55.65	-57.03	14.04	1.63	-44.62	-13.00	31.62
5132.10	H	50.22	-57.85	13.93	1.37	-45.29	-13.00	32.29
5132.10	V	50.36	-57.62	13.93	1.37	-45.06	-13.00	32.06
1RB, 1.4MHz,QPSK, Frequency:1745 MHz								
130.66	H	32.50	-77.34	0.00	0.22	-77.56	-13.00	64.56
81.65	V	33.04	-72.34	0.00	0.18	-72.52	-13.00	59.52
3490.00	H	56.26	-56.09	13.83	1.61	-43.87	-13.00	30.87
3490.00	V	55.10	-57.26	13.83	1.61	-45.04	-13.00	32.04
5235.00	H	50.32	-57.81	14.11	1.40	-45.10	-13.00	32.10
5235.00	V	50.26	-57.95	14.11	1.40	-45.24	-13.00	32.24
1RB, 1.4MHz,QPSK, Frequency: 1779.3 MHz								
126.37	H	33.21	-76.54	0.00	0.22	-76.76	-13.00	63.76
82.40	V	33.28	-72.26	0.00	0.18	-72.44	-13.00	59.44
3558.60	H	55.29	-57.18	13.98	1.55	-44.75	-13.00	31.75
3558.60	V	55.48	-56.99	13.98	1.55	-44.56	-13.00	31.56
5337.90	H	50.32	-58.23	14.22	1.26	-45.27	-13.00	32.27
5337.90	V	50.41	-58.17	14.22	1.26	-45.21	-13.00	32.21

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

APPENDIX A - EUT PHOTOGRAPHS

Please refer to the attachment SZGMA240326-15607E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and SZGMA240326-15607E-RF-INP EUT INTERNAL PHOTOGRAPHS

APPENDIX B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment SZGMA240326-15607E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

==== END OF REPORT =====