

WCDMA Band II RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3815.200	-65.95	13.97	-51.98	-13.00	-38.98	Peak
2	5722.800	-66.23	16.35	-49.88	-13.00	-36.88	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3815.200	-70.54	15.43	-55.11	-13.00	-42.11	Peak
2	5722.800	-68.24	17.21	-51.03	-13.00	-38.03	Peak

WCDMA Band IV RMC 12.2Kbps_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3424.800	-66.54	12.45	-54.09	-13.00	-41.09	Peak
2	5137.200	-65.99	16.11	-49.88	-13.00	-36.88	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3424.800	-67.04	13.70	-53.34	-13.00	-40.34	Peak
2	5137.200	-64.16	17.08	-47.08	-13.00	-34.08	Peak

WCDMA Band IV RMC 12.2Kbps_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3464.800	-70.61	12.74	-57.87	-13.00	-44.87	Peak
2	5197.200	-65.42	16.21	-49.21	-13.00	-36.21	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3464.800	-69.39	13.97	-55.42	-13.00	-42.42	Peak
2	5137.200	-64.82	17.08	-47.74	-13.00	-34.74	Peak

WCDMA Band IV RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3505.200	-65.28	13.03	-52.25	-13.00	-39.25	Peak
2	5257.800	-64.60	16.20	-48.40	-13.00	-35.40	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3505.200	-68.66	14.24	-54.42	-13.00	-41.42	Peak
2	5257.800	-65.18	17.15	-48.03	-13.00	-35.03	Peak

WCDMA Band V RMC 12.2Kbps_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1652.800	-60.26	2.43	-57.83	-13.00	-44.83	Peak
2	2479.200	-71.53	9.16	-62.37	-13.00	-49.37	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1652.800	-65.41	4.08	-61.33	-13.00	-48.33	Peak
2	2479.200	-73.46	11.48	-61.98	-13.00	-48.98	Peak

WCDMA Band V RMC 12.2Kbps_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1672.800	-63.30	2.59	-60.71	-13.00	-47.71	Peak
2	2509.200	-70.39	9.17	-61.22	-13.00	-48.22	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1672.800	-66.19	4.31	-61.88	-13.00	-48.88	Peak
2	2509.200	-72.37	11.46	-60.91	-13.00	-47.91	Peak

WCDMA Band V RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1652.800	-60.26	2.43	-57.83	-13.00	-44.83	Peak
2	2479.200	-71.53	9.16	-62.37	-13.00	-49.37	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1652.800	-65.41	4.08	-61.33	-13.00	-48.33	Peak
2	2479.200	-73.46	11.48	-61.98	-13.00	-48.98	Peak

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LTE Band 2/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3701.400	-62.61	13.77	-48.84	-13.00	-35.84	Peak
2	5552.100	-59.69	16.02	-43.67	-13.00	-30.67	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3818.600	-66.39	15.44	-50.95	-13.00	-37.95	Peak
2	5727.900	-66.22	17.21	-49.01	-13.00	-36.01	Peak

LTE Band 2/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-68.51	13.87	-54.64	-13.00	-41.64	Peak
2	5640.000	-67.22	16.10	-51.12	-13.00	-38.12	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-68.44	15.28	-53.16	-13.00	-40.16	Peak
2	5640.000	-66.47	16.97	-49.50	-13.00	-36.50	Peak

LTE Band 2/ 1.4 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3818.600	-66.73	13.98	-52.75	-13.00	-39.75	Peak
2	5727.900	-67.35	16.36	-50.99	-13.00	-37.99	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3818.600	-66.39	15.44	-50.95	-13.00	-37.95	Peak
2	5727.900	-66.22	17.21	-49.01	-13.00	-36.01	Peak

LTE Band 2/ 3 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3703.000	-66.55	13.77	-52.78	-13.00	-39.78	Peak
2	5554.500	-62.39	16.02	-46.37	-13.00	-33.37	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3703.000	-67.82	15.13	-52.69	-13.00	-39.69	Peak
2	5554.500	-54.58	16.91	-37.67	-13.00	-24.67	Peak

LTE Band 2/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-66.75	13.87	-52.88	-13.00	-39.88	Peak
2	5640.000	-67.62	16.10	-51.52	-13.00	-38.52	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-69.34	15.28	-54.06	-13.00	-41.06	Peak
2	5640.000	-65.52	16.97	-48.55	-13.00	-35.55	Peak

LTE Band 2/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3817.000	-66.29	13.97	-52.32	-13.00	-39.32	Peak
2	5725.500	-68.49	16.36	-52.13	-13.00	-39.13	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3817.000	-65.62	15.43	-50.19	-13.00	-37.19	Peak
2	5725.500	-65.93	17.21	-48.72	-13.00	-35.72	Peak

LTE Band 2/ 5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3705.000	-65.19	13.78	-51.41	-13.00	-38.41	Peak
2	5557.500	-65.37	16.01	-49.36	-13.00	-36.36	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3705.000	-67.26	15.15	-52.11	-13.00	-39.11	Peak
2	5557.500	-59.39	16.90	-42.49	-13.00	-29.49	Peak

LTE Band 2/ 5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-64.73	13.87	-50.86	-13.00	-37.86	Peak
2	5640.000	-67.80	16.10	-51.70	-13.00	-38.70	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-68.21	15.28	-52.93	-13.00	-39.93	Peak
2	5640.000	-67.14	16.97	-50.17	-13.00	-37.17	Peak

LTE Band 2/ 5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3815.000	-66.90	13.97	-52.93	-13.00	-39.93	Peak
2	5722.500	-67.80	16.35	-51.45	-13.00	-38.45	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3815.000	-66.38	15.42	-50.96	-13.00	-37.96	Peak
2	5722.500	-66.22	17.21	-49.01	-13.00	-36.01	Peak

LTE Band 2/ 10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3710.000	-65.38	13.78	-51.60	-13.00	-38.60	Peak
2	5565.000	-59.73	16.01	-43.72	-13.00	-30.72	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3710.000	-66.91	15.15	-51.76	-13.00	-38.76	Peak
2	5565.000	-66.27	16.90	-49.37	-13.00	-36.37	Peak

LTE Band 2/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-67.01	13.87	-53.14	-13.00	-40.14	Peak
2	5640.000	-68.25	16.10	-52.15	-13.00	-39.15	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-67.25	15.28	-51.97	-13.00	-38.97	Peak
2	5640.000	-67.32	16.97	-50.35	-13.00	-37.35	Peak

LTE Band 2/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3810.000	-65.37	13.96	-51.41	-13.00	-38.41	Peak
2	5715.000	-67.58	16.33	-51.25	-13.00	-38.25	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3810.000	-66.47	15.41	-51.06	-13.00	-38.06	Peak
2	5715.000	-65.92	17.19	-48.73	-13.00	-35.73	Peak

LTE Band 2/ 15 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3715.000	-64.28	13.79	-50.49	-13.00	-37.49	Peak
2	5572.500	-67.07	16.00	-51.07	-13.00	-38.07	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3715.000	-68.51	15.16	-53.35	-13.00	-40.35	Peak
2	5572.500	-66.53	16.89	-49.64	-13.00	-36.64	Peak

LTE Band 2/ 15 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-66.18	13.87	-52.31	-13.00	-39.31	Peak
2	5640.000	-68.56	16.10	-52.46	-13.00	-39.46	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-67.71	15.28	-52.43	-13.00	-39.43	Peak
2	5540.000	-67.12	16.92	-50.20	-13.00	-37.20	Peak

LTE Band 2/ 15 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3805.000	-65.91	13.96	-51.95	-13.00	-38.95	Peak
2	5707.500	-67.47	16.30	-51.17	-13.00	-38.17	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3805.000	-66.51	15.40	-51.11	-13.00	-38.11	Peak
2	5707.500	-66.15	17.16	-48.99	-13.00	-35.99	Peak

LTE Band 2/ 20 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3720.000	-66.08	13.80	-52.28	-13.00	-39.28	Peak
2	5580.000	-68.28	15.98	-52.30	-13.00	-39.30	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3720.000	-68.14	15.18	-52.96	-13.00	-39.96	Peak
2	5580.000	-67.20	16.87	-50.33	-13.00	-37.33	Peak

LTE Band 2/ 20 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-67.19	13.87	-53.32	-13.00	-40.32	Peak
2	5640.000	-67.22	16.10	-51.12	-13.00	-38.12	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-67.74	15.28	-52.46	-13.00	-39.46	Peak
2	5640.000	-65.76	16.97	-48.79	-13.00	-35.79	Peak

LTE Band 2/ 20 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3800.000	-65.53	13.95	-51.58	-13.00	-38.58	Peak
2	5700.000	-67.35	16.28	-51.07	-13.00	-38.07	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3800.000	-65.51	15.39	-50.12	-13.00	-37.12	Peak
2	5700.000	-65.30	17.14	-48.16	-13.00	-35.16	Peak

LTE Band 4/ 1.4 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3421.400	-61.90	12.42	-49.48	-13.00	-36.48	Peak
2	5132.100	-61.52	16.09	-45.43	-13.00	-32.43	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5132.100	-60.52	17.07	-43.45	-13.00	-30.45	Peak
2	13710.090	-60.83	22.97	-37.86	-13.00	-24.86	Peak

LTE Band 4/ 1.4 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5197.500	-60.49	16.21	-44.28	-13.00	-31.28	Peak
2	13869.840	-62.06	24.22	-37.84	-13.00	-24.84	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5197.500	-58.02	17.17	-40.85	-13.00	-27.85	Peak
2	13869.840	-58.46	22.74	-35.72	-13.00	-22.72	Peak

LTE Band 4/ 1.4 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-63.36	16.20	-47.16	-13.00	-34.16	Peak
2	14031.460	-63.58	24.04	-39.54	-13.00	-26.54	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-62.24	17.15	-45.09	-13.00	-32.09	Peak
2	14031.460	-54.69	22.56	-32.13	-13.00	-19.13	Peak

LTE Band 4/ 3 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3423.000	-62.56	12.44	-50.12	-13.00	-37.12	Peak
2	5134.500	-62.24	16.09	-46.15	-13.00	-33.15	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3423.000	-59.26	13.69	-45.57	-13.00	-32.57	Peak
2	5134.500	-62.16	17.07	-45.09	-13.00	-32.09	Peak

LTE Band 4/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.000	-59.65	12.74	-46.91	-13.00	-33.91	Peak
2	5197.500	-63.32	16.21	-47.11	-13.00	-34.11	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5197.500	-61.25	17.17	-44.08	-13.00	-31.08	Peak
2	13869.840	-60.11	22.74	-37.37	-13.00	-24.37	Peak

LTE Band 4/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-62.89	16.20	-46.69	-13.00	-33.69	Peak
2	14031.460	-63.34	24.04	-39.30	-13.00	-26.30	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-62.09	17.15	-44.94	-13.00	-31.94	Peak
2	14031.460	-55.33	22.56	-32.77	-13.00	-19.77	Peak

LTE Band 4/ 5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3425.000	-62.77	12.45	-50.32	-13.00	-37.32	Peak
2	5137.500	-62.70	16.11	-46.59	-13.00	-33.59	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3425.000	-62.77	13.70	-49.07	-13.00	-36.07	Peak
2	5152.500	-64.36	17.09	-47.27	-13.00	-34.27	Peak

LTE Band 4/ 5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-62.65	12.66	-49.99	-13.00	-36.99	Peak
2	5181.120	-57.45	16.18	-41.27	-13.00	-28.27	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5181.120	-65.23	17.14	-48.09	-13.00	-35.09	Peak
2	13869.840	-59.72	22.74	-36.98	-13.00	-23.98	Peak

LTE Band 4/ 5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-61.15	16.20	-44.95	-13.00	-31.95	Peak
2	14031.460	-60.24	24.04	-36.20	-13.00	-23.20	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-63.83	17.15	-46.68	-13.00	-33.68	Peak
2	14031.460	-51.39	22.56	-28.83	-13.00	-15.83	Peak

LTE Band 4/ 10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3430.000	-65.43	12.49	-52.94	-13.00	-39.94	Peak
2	5145.000	-65.71	16.11	-49.60	-13.00	-36.60	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3430.000	-64.16	13.73	-50.43	-13.00	-37.43	Peak
2	5145.000	-62.87	17.09	-45.78	-13.00	-32.78	Peak

LTE Band 4/ 10 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-64.91	12.66	-52.25	-13.00	-39.25	Peak
2	5181.120	-63.17	16.18	-46.99	-13.00	-33.99	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5181.120	-63.68	17.14	-46.54	-13.00	-33.54	Peak
2	13869.840	-57.43	22.74	-34.69	-13.00	-21.69	Peak

LTE Band 4/ 10 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-61.67	16.20	-45.47	-13.00	-32.47	Peak
2	14031.460	-59.07	24.04	-35.03	-13.00	-22.03	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5241.490	-59.81	17.15	-42.66	-13.00	-29.66	Peak
2	13950.420	-50.16	22.64	-27.52	-13.00	-14.52	Peak

LTE Band 4/ 15 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3435.000	-59.16	12.52	-46.64	-13.00	-33.64	Peak
2	5152.500	-61.12	16.12	-45.00	-13.00	-32.00	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5152.500	-56.10	17.09	-39.01	-13.00	-26.01	Peak
2	13789.740	-62.74	22.84	-39.90	-13.00	-26.90	Peak

LTE Band 4/ 15 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-64.74	12.66	-52.08	-13.00	-39.08	Peak
2	5181.120	-62.57	16.18	-46.39	-13.00	-33.39	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5181.120	-64.08	17.14	-46.94	-13.00	-33.94	Peak
2	13869.840	-62.05	22.74	-39.31	-13.00	-26.31	Peak

LTE Band 4/ 15 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5211.218	-59.25	16.20	-43.05	-13.00	-30.05	Peak
2	14031.460	-65.35	24.04	-41.31	-13.00	-28.31	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5211.218	-55.50	17.16	-38.34	-13.00	-25.34	Peak
2	14031.460	-53.67	22.56	-31.11	-13.00	-18.11	Peak

LTE Band 4/ 20 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3440.000	-61.94	12.56	-49.38	-13.00	-36.38	Peak
2	13789.740	-61.81	24.30	-37.51	-13.00	-24.51	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5160.000	-54.51	17.11	-37.40	-13.00	-24.40	Peak
2	13789.740	-55.77	22.84	-32.93	-13.00	-19.93	Peak

LTE Band 4/ 20 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-64.03	12.66	-51.37	-13.00	-38.37	Peak
2	5181.120	-61.45	16.18	-45.27	-13.00	-32.27	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5181.120	-63.31	17.14	-46.17	-13.00	-33.17	Peak
2	13869.840	-60.28	22.74	-37.54	-13.00	-24.54	Peak

LTE Band 4/ 20 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5211.218	-59.46	16.20	-43.26	-13.00	-30.26	Peak
2	13950.420	-69.01	24.13	-44.88	-13.00	-31.88	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5211.218	-55.49	17.16	-38.33	-13.00	-25.33	Peak
2	13950.420	-60.35	22.64	-37.71	-13.00	-24.71	Peak

LTE Band 5/ 1.4 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1649.400	-53.95	2.41	-51.54	-13.00	-38.54	Peak
2	2474.100	-58.08	9.15	-48.93	-13.00	-35.93	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1649.400	-57.63	4.05	-53.58	-13.00	-40.58	Peak
2	2474.100	-67.59	11.48	-56.11	-13.00	-43.11	Peak

LTE Band 5/ 1.4 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-53.38	2.53	-50.85	-13.00	-37.85	Peak
2	2497.244	-58.21	9.16	-49.05	-13.00	-36.05	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-48.54	4.22	-44.32	-13.00	-31.32	Peak
2	2497.244	-62.16	11.47	-50.69	-13.00	-37.69	Peak

LTE Band 5/ 1.4 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1684.232	-49.48	2.67	-46.81	-13.00	-33.81	Peak
2	2541.018	-57.96	9.22	-48.74	-13.00	-35.74	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1684.232	-53.87	4.43	-49.44	-13.00	-36.44	Peak
2	2541.018	-59.72	11.45	-48.27	-13.00	-35.27	Peak

LTE Band 5/ 3 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-54.21	2.38	-51.83	-13.00	-38.83	Peak
2	2468.481	-63.68	9.16	-54.52	-13.00	-41.52	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-55.52	4.00	-51.52	-13.00	-38.52	Peak
2	2468.481	-66.32	11.49	-54.83	-13.00	-41.83	Peak

LTE Band 5/ 3 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-53.75	2.53	-51.22	-13.00	-38.22	Peak
2	2497.244	-58.08	9.16	-48.92	-13.00	-35.92	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-53.87	4.22	-49.65	-13.00	-36.65	Peak
2	2497.244	-59.53	11.47	-48.06	-13.00	-35.06	Peak

LTE Band 5/ 3 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1684.232	-48.86	2.67	-46.19	-13.00	-33.19	Peak
2	2526.342	-56.91	9.19	-47.72	-13.00	-34.72	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1684.232	-52.43	4.43	-48.00	-13.00	-35.00	Peak
2	2526.342	-60.55	11.45	-49.10	-13.00	-36.10	Peak

LTE Band 5/ 5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-53.38	2.38	-51.00	-13.00	-38.00	Peak
2	2468.481	-61.91	9.16	-52.75	-13.00	-39.75	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-55.72	4.00	-51.72	-13.00	-38.72	Peak
2	2468.481	-62.79	11.49	-51.30	-13.00	-38.30	Peak

LTE Band 5/ 5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-52.37	2.53	-49.84	-13.00	-36.84	Peak
2	2497.244	-59.56	9.16	-50.40	-13.00	-37.40	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-48.85	4.22	-44.63	-13.00	-31.63	Peak
2	2497.244	-61.77	11.47	-50.30	-13.00	-37.30	Peak

LTE Band 5/ 5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1684.232	-47.20	2.67	-44.53	-13.00	-31.53	Peak
2	2526.342	-54.82	9.19	-45.63	-13.00	-32.63	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1684.232	-49.86	4.43	-45.43	-13.00	-32.43	Peak
2	2526.342	-59.05	11.45	-47.60	-13.00	-34.60	Peak

LTE Band 5/ 10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-52.44	2.38	-50.06	-13.00	-37.06	Peak
2	2468.481	-61.77	9.16	-52.61	-13.00	-39.61	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-52.19	4.00	-48.19	-13.00	-35.19	Peak
2	2468.481	-62.11	11.49	-50.62	-13.00	-37.62	Peak

LTE Band 5/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-52.56	2.53	-50.03	-13.00	-37.03	Peak
2	2497.244	-59.52	9.16	-50.36	-13.00	-37.36	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-51.02	4.22	-46.80	-13.00	-33.80	Peak
2	2497.244	-61.76	11.47	-50.29	-13.00	-37.29	Peak

LTE Band 5/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1674.504	-52.01	2.59	-49.42	-13.00	-36.42	Peak
2	2511.751	-55.57	9.18	-46.39	-13.00	-33.39	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1674.504	-51.77	4.32	-47.45	-13.00	-34.45	Peak
2	2511.751	-60.17	11.46	-48.71	-13.00	-35.71	Peak

LTE Band 7/5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-62.22	19.08	-43.14	-25.00	-18.14	Peak
2	10027.650	-59.96	22.24	-37.72	-25.00	-12.72	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-62.97	18.48	-44.49	-25.00	-19.49	Peak
2	10027.650	-62.90	21.19	-41.71	-25.00	-16.71	Peak

LTE Band 7/5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7593.669	-63.54	19.09	-44.45	-25.00	-19.45	Peak
2	10144.500	-61.43	22.42	-39.01	-25.00	-14.01	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7593.669	-62.18	18.47	-43.71	-25.00	-18.71	Peak
2	10144.500	-62.42	21.13	-41.29	-25.00	-16.29	Peak

LTE Band 7/5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7682.150	-62.17	19.10	-43.07	-25.00	-18.07	Peak
2	10262.700	-60.71	22.65	-38.06	-25.00	-13.06	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7682.150	-58.40	18.47	-39.93	-25.00	-14.93	Peak
2	10262.700	-56.86	21.12	-35.74	-25.00	-10.74	Peak

LTE Band 7/10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-62.68	19.08	-43.60	-25.00	-18.60	Peak
2	10027.650	-59.92	22.24	-37.68	-25.00	-12.68	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-63.17	18.48	-44.69	-25.00	-19.69	Peak
2	10027.650	-58.74	21.19	-37.55	-25.00	-12.55	Peak

LTE Band 7/10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7605.000	-62.61	19.09	-43.52	-25.00	-18.52	Peak
2	10144.500	-57.68	22.42	-35.26	-25.00	-10.26	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7593.669	-62.27	18.47	-43.80	-25.00	-18.80	Peak
2	10144.500	-61.21	21.13	-40.08	-25.00	-15.08	Peak

LTE Band 7/10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7682.150	-62.75	19.10	-43.65	-25.00	-18.65	Peak
2	10262.700	-56.25	22.65	-33.60	-25.00	-8.60	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7682.150	-59.20	18.47	-40.73	-25.00	-15.73	Peak
2	10262.700	-61.04	21.12	-39.92	-25.00	-14.92	Peak

LTE Band 7/15 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-64.30	19.08	-45.22	-25.00	-20.22	Peak
2	10027.650	-58.20	22.24	-35.96	-25.00	-10.96	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-62.72	18.48	-44.24	-25.00	-19.24	Peak
2	10027.650	-58.95	21.19	-37.76	-25.00	-12.76	Peak

LTE Band 7/15 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7549.811	-63.53	19.09	-44.44	-25.00	-19.44	Peak
2	10085.910	-62.84	22.33	-40.51	-25.00	-15.51	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7549.811	-63.64	18.48	-45.16	-25.00	-20.16	Peak
2	10085.910	-62.43	21.16	-41.27	-25.00	-16.27	Peak

LTE Band 7/15 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7637.782	-62.21	19.11	-43.10	-25.00	-18.10	Peak
2	10203.430	-57.45	22.51	-34.94	-25.00	-9.94	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7637.782	-60.66	18.48	-42.18	-25.00	-17.18	Peak
2	10203.430	-60.17	21.10	-39.07	-25.00	-14.07	Peak

LTE Band 7/20 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-64.26	19.08	-45.18	-25.00	-20.18	Peak
2	10027.650	-61.06	22.24	-38.82	-25.00	-13.82	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7506.207	-63.12	18.48	-44.64	-25.00	-19.64	Peak
2	10027.650	-59.20	21.19	-38.01	-25.00	-13.01	Peak

LTE Band 7 20 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7549.811	-64.03	19.09	-44.94	-25.00	-19.94	Peak
2	10085.910	-60.61	22.33	-38.28	-25.00	-13.28	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7549.811	-63.30	18.48	-44.82	-25.00	-19.82	Peak
2	10085.910	-62.86	21.16	-41.70	-25.00	-16.70	Peak

LTE Band 7/20 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7682.150	-62.74	19.10	-43.64	-25.00	-18.64	Peak
2	10203.430	-58.59	22.51	-36.08	-25.00	-11.08	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	7682.150	-59.42	18.47	-40.95	-25.00	-15.95	Peak
2	10203.430	-59.93	21.10	-38.83	-25.00	-13.83	Peak

LTE Band 12/ 1.4 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1391.194	-55.37	0.89	-54.48	-13.00	-41.48	Peak
2	2086.787	-58.94	5.65	-53.29	-13.00	-40.29	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1391.194	-60.29	1.90	-58.39	-13.00	-45.39	Peak
2	2086.787	-60.12	8.45	-51.67	-13.00	-38.67	Peak

LTE Band 12/ 1.4 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-56.24	1.01	-55.23	-13.00	-42.23	Peak
2	2122.500	-62.08	5.83	-56.25	-13.00	-43.25	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1432.075	1432.075	-57.31	2.06	-55.25	-13.00	-42.25	Peak
3535.050	2122.500	-62.36	8.58	-53.78	-13.00	-40.78	Peak

LTE Band 12/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1423.804	-51.54	1.00	-50.54	-13.00	-37.54	Peak
2	2135.701	-59.00	5.90	-53.10	-13.00	-40.10	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1423.804	-53.97	2.03	-51.94	-13.00	-38.94	Peak
2	2135.701	-60.25	8.63	-51.62	-13.00	-38.62	Peak

LTE Band 12/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1391.194	-57.45	0.89	-56.56	-13.00	-43.56	Peak
2	2086.787	-63.41	5.65	-57.76	-13.00	-44.76	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1391.194	-58.04	1.90	-56.14	-13.00	-43.14	Peak
2	2086.787	-59.02	8.45	-50.57	-13.00	-37.57	Peak

LTE Band 12/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-54.13	1.01	-53.12	-13.00	-40.12	Peak
2	2111.103	-54.84	5.77	-49.07	-13.00	-36.07	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-56.74	2.06	-54.68	-13.00	-41.68	Peak
2	2111.103	-56.19	8.54	-47.65	-13.00	-34.65	Peak

LTE Band 12/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1423.804	-52.99	1.00	-51.99	-13.00	-38.99	Peak
2	2135.701	-58.88	5.90	-52.98	-13.00	-39.98	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1423.804	-53.04	2.03	-51.01	-13.00	-38.01	Peak
2	2135.701	-56.38	8.63	-47.75	-13.00	-34.75	Peak

LTE Band 12/ 5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1391.194	-57.14	0.89	-56.25	-13.00	-43.25	Peak
2	2086.787	-60.53	5.65	-54.88	-13.00	-41.88	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1391.194	-59.41	1.90	-57.51	-13.00	-44.51	Peak
2	2086.787	-57.83	8.45	-49.38	-13.00	-36.38	Peak

LTE Band 12/ 5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-55.72	1.01	-54.71	-13.00	-41.71	Peak
2	2111.103	-58.79	5.77	-53.02	-13.00	-40.02	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-55.87	2.06	-53.81	-13.00	-40.81	Peak
2	2111.103	-58.96	8.54	-50.42	-13.00	-37.42	Peak

LTE Band 12/ 5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1415.580	-53.67	0.97	-52.70	-13.00	-39.70	Peak
2	2123.366	-57.49	5.83	-51.66	-13.00	-38.66	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1415.580	-56.39	2.00	-54.39	-13.00	-41.39	Peak
2	2123.366	-52.86	8.58	-44.28	-13.00	-31.28	Peak

LTE Band 12/ 10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-55.91	1.01	-54.90	-13.00	-41.90	Peak
2	2086.787	-58.20	5.65	-52.55	-13.00	-39.55	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-57.97	2.06	-55.91	-13.00	-42.91	Peak
2	2086.787	-57.59	8.45	-49.14	-13.00	-36.14	Peak

LTE Band 12/ 10 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-55.56	1.01	-54.55	-13.00	-41.55	Peak
2	2122.500	-63.45	5.83	-57.62	-13.00	-44.62	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1432.075	-57.05	2.06	-54.99	-13.00	-41.99	Peak
2	2122.500	-63.23	8.58	-54.65	-13.00	-41.65	Peak

LTE Band 12/ 10 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-54.40	0.94	-53.46	-13.00	-40.46	Peak
2	2111.103	-56.53	5.77	-50.76	-13.00	-37.76	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-55.05	1.96	-53.09	-13.00	-40.09	Peak
2	2111.103	-50.01	8.54	-41.47	-13.00	-28.47	Peak

LTE Band 17/ 5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-50.67	0.94	-49.73	-13.00	-36.73	Peak
2	2111.103	-52.38	5.77	-46.61	-13.00	-33.61	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-50.82	1.96	-48.86	-13.00	-35.86	Peak
2	2111.103	-50.42	8.54	-41.88	-13.00	-28.88	Peak

LTE Band 17/ 5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-52.93	0.94	-51.99	-13.00	-38.99	Peak
2	2111.103	-55.24	5.77	-49.47	-13.00	-36.47	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-53.40	1.96	-51.44	-13.00	-38.44	Peak
2	2111.103	-52.73	8.54	-44.19	-13.00	-31.19	Peak

LTE Band 17/ 5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1415.580	-54.01	0.97	-53.04	-13.00	-40.04	Peak
2	2123.366	-58.54	5.83	-52.71	-13.00	-39.71	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1415.580	-53.37	2.00	-51.37	-13.00	-38.37	Peak
2	2123.366	-56.20	8.58	-47.62	-13.00	-34.62	Peak

LTE Band 17/ 10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-52.19	0.94	-51.25	-13.00	-38.25	Peak
2	2111.103	-55.43	5.77	-49.66	-13.00	-36.66	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-51.39	1.96	-49.43	-13.00	-36.43	Peak
2	2111.103	-50.86	8.54	-42.32	-13.00	-29.32	Peak

LTE Band 17/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-53.98	0.94	-53.04	-13.00	-40.04	Peak
2	2111.103	-53.66	5.77	-47.89	-13.00	-34.89	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-53.26	1.96	-51.30	-13.00	-38.30	Peak
2	2111.103	-53.47	8.54	-44.93	-13.00	-31.93	Peak

LTE Band 17/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-56.31	0.94	-55.37	-13.00	-42.37	Peak
2	2111.103	-56.31	5.77	-50.54	-13.00	-37.54	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1407.405	-56.18	1.96	-54.22	-13.00	-41.22	Peak
2	2111.103	-52.51	8.54	-43.97	-13.00	-30.97	Peak

5.9 FREQUENCY STABILITY

Test Requirement: FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 22.355 & FCC 47 CFR Part 24.235

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limits: The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

Test Setup: Refer to section 4.2.2 for details.

Test Procedures:

- 1) Use CMW 500 or CMU 200 with Frequency Error measurement capability.
 - a) Temp. = -30° to $+50^{\circ}\text{C}$
 - b) Voltage = low voltage, 3.45 Vdc, Normal, 3.85 Vdc and High voltage, 4.4 Vdc.

- 2) Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

- 3) Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

Equipment Used: Refer to section 3 for details.

Test Result: Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature ($^{\circ}\text{C}$)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
GSM 850 1Tx-slot							
GMSK	190 / 836.6	VL	TN	-12	-0.0143	± 2.5	Pass
		VN		-11	-0.0131	± 2.5	Pass
		VH		-8	-0.0096	± 2.5	Pass
		VN	50	-7	-0.0084	± 2.5	Pass
			40	-9	-0.0108	± 2.5	Pass
			30	8	0.0096	± 2.5	Pass
			20	5	0.0060	± 2.5	Pass
			10	8	0.0096	± 2.5	Pass
			0	8	0.0096	± 2.5	Pass
			-10	6	0.0072	± 2.5	Pass
			-20	9	0.0108	± 2.5	Pass
			-30	10	0.0120	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
EDGE 850 1Tx-slot							
8PSK	190 / 836.6	VL	TN	10	0.0120	± 2.5	Pass
		VN		8	0.0096	± 2.5	Pass
		VH		11	0.0131	± 2.5	Pass
		VN	50	-9	-0.0108	± 2.5	Pass
			40	-9	-0.0108	± 2.5	Pass
			30	12	0.0143	± 2.5	Pass
			20	8	0.0096	± 2.5	Pass
			10	10	0.0120	± 2.5	Pass
			0	8	0.0096	± 2.5	Pass
			-10	11	0.0131	± 2.5	Pass
			-20	10	0.0120	± 2.5	Pass
			-30	12	0.0143	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
WCDMA Band V RMC 12.2Kbps							
BPSK	4182 / 836.4	VL	TN	-9	-0.0108	± 2.5	Pass
		VN		-7	-0.0084	± 2.5	Pass
		VH		13	0.0155	± 2.5	Pass
		VN	50	9	0.0108	± 2.5	Pass
			40	10	0.0120	± 2.5	Pass
			30	8	0.0096	± 2.5	Pass
			20	11	0.0132	± 2.5	Pass
			10	9	0.0108	± 2.5	Pass
			0	12	0.0143	± 2.5	Pass
			-10	9	0.0108	± 2.5	Pass
			-20	11	0.0132	± 2.5	Pass
			-30	-8	-0.0096	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
GSM 1900 1Tx-slot							
GMSK	661 / 1880.0	VL	TN	11	0.0059	Note 1	Pass
		VN		7	0.0037		Pass
		VH		13	0.0069		Pass
		VN	50	-9	-0.0048		Pass
			40	-9	-0.0048		Pass
			30	12	0.0064		Pass
			20	8	0.0043		Pass
			10	8	0.0043		Pass
			0	-7	-0.0037		Pass
			-10	13	0.0069		Pass
			-20	9	0.0048		Pass
			-30	10	0.0053		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
EDGE 1900 1Tx-slot							
8PSK	661 / 1880.0	VL	TN	8	0.0043	Note 1	Pass
		VN		12	0.0064		Pass
		VH		10	0.0053		Pass
		VN	50	9	0.0048		Pass
			40	9	0.0048		Pass
			30	-9	-0.0048		Pass
			20	11	0.0059		Pass
			10	8	0.0043		Pass
			0	-7	-0.0037		Pass
			-10	10	0.0053		Pass
			-20	9	0.0048		Pass
			-30	-12	-0.0064		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
WCDMA Band II RMC 12.2Kbps							
BPSK	9400 / 1880.0	VL	TN	12	0.0064	Note 1	Pass
		VN		8	0.0043		Pass
		VH		10	0.0053		Pass
		VN	50	-8	-0.0043		Pass
			40	-9	-0.0048		Pass
			30	9	0.0048		Pass
			20	11	0.0059		Pass
			10	8	0.0043		Pass
			0	12	0.0064		Pass
			-10	7	0.0037		Pass
			-20	9	0.0048		Pass
			-30	11	0.0059		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
WCDMA Band IV RMC 12.2Kbps							
BMSK	1412 / 1732.4	VL	TN	11	0.0063	Note 1	Pass
		VN		9	0.0052		Pass
		VH		-3	-0.0017		Pass
		VN	50	-5	-0.0029		Pass
			40	-9	-0.0052		Pass
			30	-7	-0.0040		Pass
			20	-9	-0.0052		Pass
			10	11	0.0063		Pass
			0	10	0.0058		Pass
			-10	13	0.0075		Pass
			-20	9	0.0052		Pass
			-30	12	0.0069		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 2 / 20MHz / Full RB							
QPSK	18900 / 1880.0	VL	TN	10	0.0053	Note 1	Pass
		VN		8	0.0043		Pass
		VH		9	0.0048		Pass
		VN	50	-8	-0.0043		Pass
			40	-8	-0.0043		Pass
			30	-11	-0.0059		Pass
			20	11	0.0059		Pass
			10	9	0.0048		Pass
			0	8	0.0043		Pass
			-10	8	0.0043		Pass
			-20	12	0.0064		Pass
			-30	-9	-0.0048		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 4 / 20MHz / Full RB							
QPSK	20175 / 1732.5	VL	TN	-13	-0.0075	Note 1	Pass
		VN		9	0.0052		Pass
		VH		11	0.0063		Pass
		VN	50	-5	-0.0029		Pass
			40	-8	-0.0046		Pass
			30	11	0.0063		Pass
			20	13	0.0075		Pass
			10	-9	-0.0052		Pass
			0	11	0.0063		Pass
			-10	8	0.0046		Pass
			-20	10	0.0058		Pass
			-30	9	0.0052		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 5 / 10MHz / Full RB							
QPSK	20525 / 836.5	VL	TN	10	0.0120	± 2.5	Pass
		VN		9	0.0108	± 2.5	Pass
		VH		8	0.0096	± 2.5	Pass
		VN	50	-6	-0.0072	± 2.5	Pass
			40	-7	-0.0084	± 2.5	Pass
			30	-10	-0.0120	± 2.5	Pass
			20	-7	-0.0084	± 2.5	Pass
			10	-9	-0.0108	± 2.5	Pass
			0	8	0.0096	± 2.5	Pass
			-10	9	0.0108	± 2.5	Pass
			-20	9	0.0108	± 2.5	Pass
			-30	10	0.0120	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 7 / 20MHz / Full RB							
QPSK	21100 / 2535	VL	TN	-10	-0.0039	Note 1	Pass
		VN		-9	-0.0036		Pass
		VH		-9	-0.0036		Pass
		VN	50	-11	-0.0043		Pass
			40	-13	-0.0051		Pass
			30	-10	-0.0039		Pass
			20	19	0.0075		Pass
			10	5	0.0020		Pass
			0	9	0.0036		Pass
			-10	7	0.0028		Pass
			-20	9	0.0036		Pass
			-30	8	0.0032		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 12 / 10MHz / Full RB							
QPSK	23095 / 707.5	VL	TN	10	0.0141	Note 1	Pass
		VN		-7	-0.0099		Pass
		VH		8	0.0113		Pass
		VN	50	11	0.0155		Pass
			40	14	0.0198		Pass
			30	7	0.0099		Pass
			20	9	0.0127		Pass
			10	10	0.0141		Pass
			0	8	0.0113		Pass
			-10	13	0.0184		Pass
			-20	-9	-0.0127		Pass
			-30	9	0.0127		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 17 / 10MHz / Full RB							
QPSK	23790 / 710	VL	TN	13	0.0183	Note 1	Pass
		VN		9	0.0127		Pass
		VH		-9	-0.0127		Pass
		VN	50	-8	-0.0113		Pass
			40	10	0.0141		Pass
			30	12	0.0169		Pass
			20	9	0.0127		Pass
			10	12	0.0169		Pass
			0	-9	-0.0127		Pass
			-10	7	0.0099		Pass
			-20	8	0.0113		Pass
			-30	11	0.0155		Pass

Note1: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

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