



Appendix B

E-UTRA Band CA_4A-12A



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1. Field Strength of Spurious Radiation

Below 1GHz:

1.1. Test Band = _4A_12A_TM1 ANT0

1.1.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.3285	39.43	-59.84	-25.00	34.84	-99.27	Horizontal
2	45.9112	33.07	-63.74	-25.00	38.74	-96.81	Horizontal
3	86.0772	31.05	-69.91	-25.00	44.91	-100.96	Horizontal
4	258.9658	23.78	-71.62	-25.00	46.62	-95.40	Horizontal
5	644.1328	23.37	-63.08	-25.00	38.08	-86.45	Horizontal
6	999.2238	23.45	-58.17	-25.00	33.17	-81.62	Horizontal



1.2. Test Band = _4A_12A_TM1 ANT0

1.2.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5225	40.36	-58.91	-25.00	33.91	-99.27	Vertical
2	87.8236	29.17	-71.37	-25.00	46.37	-100.54	Vertical
3	175.1410	23.91	-76.20	-25.00	51.20	-100.11	Vertical
4	349.1938	23.39	-69.58	-25.00	44.58	-92.97	Vertical
5	600.8622	23.55	-63.30	-25.00	38.30	-86.85	Vertical
6	973.4167	22.86	-59.00	-25.00	34.00	-81.86	Vertical



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1.3. Test Band = _4A_12A_TM1 ANT0
1.3.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.3285	39.15	-60.12	-25.00	35.12	-99.27	Horizontal
2	46.1052	33.06	-63.74	-25.00	38.74	-96.80	Horizontal
3	90.5401	28.84	-71.09	-25.00	46.09	-99.93	Horizontal
4	221.7103	24.10	-72.74	-25.00	47.74	-96.84	Horizontal
5	566.7113	23.60	-64.12	-25.00	39.12	-87.72	Horizontal
6	977.6855	23.53	-58.33	-25.00	33.33	-81.86	Horizontal



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1.4. Test Band = _4A_12A_TM1_ANT0
1.4.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.3285	39.90	-59.37	-25.00	34.37	-99.27	Vertical
2	52.5085	28.50	-68.62	-25.00	43.62	-97.12	Vertical
3	94.4209	25.27	-73.94	-25.00	48.94	-99.21	Vertical
4	309.8040	23.19	-70.95	-25.00	45.95	-94.14	Vertical
5	593.6827	23.31	-63.70	-25.00	38.70	-87.01	Vertical
6	965.0730	23.74	-58.23	-25.00	33.23	-81.97	Vertical



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1.5. Test Band = _4A_12A_TM1 ANT0
1.5.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.3285	39.38	-59.89	-25.00	34.89	-99.27	Horizontal
2	46.1052	33.67	-63.13	-25.00	38.13	-96.80	Horizontal
3	88.9878	30.81	-69.46	-25.00	44.46	-100.27	Horizontal
4	309.2218	24.94	-69.24	-25.00	44.24	-94.18	Horizontal
5	589.2198	24.70	-62.43	-25.00	37.43	-87.13	Horizontal
6	983.3127	23.65	-58.18	-25.00	33.18	-81.83	Horizontal



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1.6. Test Band = _4A_12A_TM1 ANT0

1.6.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.1344	39.42	-59.85	-25.00	34.85	-99.27	Vertical
2	46.1052	33.00	-63.80	-25.00	38.80	-96.80	Vertical
3	87.0474	31.10	-69.63	-25.00	44.63	-100.73	Vertical
4	238.0096	23.77	-72.73	-25.00	47.73	-96.50	Vertical
5	489.4839	23.52	-66.19	-25.00	41.19	-89.71	Vertical
6	999.0298	23.53	-58.09	-25.00	33.09	-81.62	Vertical



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1.7. Test Band = _4A-12A _TM1 ANT1

1.7.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.7165	36.74	-62.53	-25.00	37.53	-99.27	Horizontal
2	46.1052	30.38	-66.42	-25.00	41.42	-96.80	Horizontal
3	86.0772	31.53	-69.43	-25.00	44.43	-100.96	Horizontal
4	234.1288	23.97	-72.75	-25.00	47.75	-96.72	Horizontal
5	520.7241	24.16	-64.56	-25.00	39.56	-88.72	Horizontal
6	987.1934	22.87	-58.92	-25.00	33.92	-81.79	Horizontal



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1.8. Test Band = _4A-12A _TM1 ANT1
1.8.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5225	36.42	-62.85	-25.00	37.85	-99.27	Vertical
2	45.3291	31.02	-65.80	-25.00	40.80	-96.82	Vertical
3	84.9130	27.98	-73.25	-25.00	48.25	-101.23	Vertical
4	253.3387	24.08	-71.68	-25.00	46.68	-95.76	Vertical
5	520.1420	23.53	-65.21	-25.00	40.21	-88.74	Vertical
6	942.5645	23.20	-58.98	-25.00	33.98	-82.18	Vertical



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1.9. Test Band = _4A-12A _TM1 ANT1
1.9.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5225	36.32	-62.95	-25.00	37.95	-99.27	Horizontal
2	46.2993	32.28	-64.52	-25.00	39.52	-96.80	Horizontal
3	85.4951	31.32	-69.77	-25.00	44.77	-101.09	Horizontal
4	251.5923	24.02	-71.85	-25.00	46.85	-95.87	Horizontal
5	563.9948	23.56	-64.12	-25.00	39.12	-87.68	Horizontal
6	986.6113	23.37	-58.42	-25.00	33.42	-81.79	Horizontal



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1.10. Test Band = _4A-12A _TM1 ANT1
1.10.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5225	36.38	-62.89	-25.00	37.89	-99.27	Vertical
2	46.2993	31.09	-65.71	-25.00	40.71	-96.80	Vertical
3	86.6593	29.23	-71.59	-25.00	46.59	-100.82	Vertical
4	261.2943	23.75	-71.58	-25.00	46.58	-95.33	Vertical
5	600.2801	24.01	-62.83	-25.00	37.83	-86.84	Vertical
6	981.9544	23.19	-58.65	-25.00	33.65	-81.84	Vertical



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1.11. Test Band = _4A-12A _TM1 ANT1

1.11.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	31.5523	32.58	-66.70	-25.00	41.70	-99.28	Horizontal
2	45.1350	24.43	-72.40	-25.00	47.40	-96.83	Horizontal
3	85.8832	31.49	-69.51	-25.00	44.51	-101.00	Horizontal
4	194.9330	23.35	-74.88	-25.00	49.88	-98.23	Horizontal
5	433.2126	25.08	-66.06	-25.00	41.06	-91.14	Horizontal
6	995.7311	23.08	-58.59	-25.00	33.59	-81.67	Horizontal



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1.12. Test Band = 4A-12A TM1 ANT1

1.12.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	31.5523	31.57	-67.71	-25.00	42.71	-99.28	Vertical
2	48.4337	24.34	-72.41	-25.00	47.41	-96.75	Vertical
3	86.4653	31.24	-69.62	-25.00	44.62	-100.86	Vertical
4	253.3387	23.73	-72.03	-25.00	47.03	-95.76	Vertical
5	433.2126	27.09	-64.05	-25.00	39.05	-91.14	Vertical
6	985.6411	22.95	-58.85	-25.00	33.85	-81.80	Vertical



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Above 1GHz:

1.13. Test Band = _4A_ 12A _TM1 ANT0

1.13.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1011.4006	41.22	-49.89	-13.00	36.89	-91.11	Horizontal
2	1399.1200	28.59	-61.67	-13.00	48.67	-90.26	Horizontal
3	2121.7561	44.36	-43.88	-13.00	30.88	-88.24	Horizontal
4	2410.5705	45.01	-41.96	-13.00	28.96	-86.97	Horizontal
5	5513.3757	51.12	-56.86	-13.00	43.86	-107.98	Horizontal
6	17986.499	49.81	-43.79	-13.00	30.79	-93.60	Horizontal



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1.14. Test Band = _4A_12A_TM1 ANT0

1.14.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1275.0138	22.28	-68.23	-13.00	55.23	-90.51	Vertical
2	2112.8556	36.70	-51.85	-13.00	38.85	-88.55	Vertical
3	3885.0443	52.58	-61.53	-13.00	48.53	-114.11	Vertical
4	7969.7485	49.92	-52.02	-13.00	39.02	-101.94	Vertical
5	11893.194	47.54	-46.72	-13.00	33.72	-94.26	Vertical
6	17914.495	49.09	-43.86	-13.00	30.86	-92.95	Vertical



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1.15. Test Band = 4A 12A TM1 ANT0

1.15.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1020.6010	41.10	-49.84	-13.00	36.84	-90.94	Horizontal
2	1406.2203	37.42	-52.94	-13.00	39.94	-90.36	Horizontal
3	2124.0562	43.43	-44.83	-13.00	31.83	-88.26	Horizontal
4	2426.6713	47.49	-39.51	-13.00	26.51	-87.00	Horizontal
5	4751.3376	51.30	-59.21	-13.00	46.21	-110.51	Horizontal
6	17915.245	49.11	-43.84	-13.00	30.84	-92.95	Horizontal



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1.16. Test Band = 4A 12A TM1 ANT0

1.16.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1020.6010	23.46	-67.48	-13.00	54.48	-90.94	Vertical
2	1406.1203	23.29	-67.07	-13.00	54.07	-90.36	Vertical
3	2134.7567	35.96	-52.25	-13.00	39.25	-88.21	Vertical
4	4649.3325	51.90	-59.67	-13.00	46.67	-111.57	Vertical
5	7994.4997	49.55	-52.27	-13.00	39.27	-101.82	Vertical
6	15031.351	46.52	-45.28	-13.00	32.28	-91.80	Vertical



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1.17. Test Band = _4A_12A_TM1 ANT0

1.17.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1029.5015	45.96	-44.89	-13.00	31.89	-90.85	Horizontal
2	1413.1207	38.78	-51.62	-13.00	38.62	-90.40	Horizontal
3	2136.6568	41.19	-46.98	-13.00	33.98	-88.17	Horizontal
4	2442.4721	49.09	-37.98	-13.00	24.98	-87.07	Horizontal
5	7988.4994	49.45	-52.40	-13.00	39.40	-101.85	Horizontal
6	17970.748	49.56	-43.71	-13.00	30.71	-93.27	Horizontal



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1.18. Test Band = _4A_12A_TM1 ANT0

1.18.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1506.0253	22.21	-67.73	-13.00	54.73	-89.94	Vertical
2	2149.1575	36.64	-51.60	-13.00	38.60	-88.24	Vertical
3	2442.6721	28.74	-58.33	-13.00	45.33	-87.07	Vertical
4	4539.0770	52.29	-59.56	-13.00	46.56	-111.85	Vertical
5	8419.0210	50.10	-50.94	-13.00	37.94	-101.04	Vertical
6	17930.996	49.16	-43.74	-13.00	30.74	-92.90	Vertical



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1.19. Test Band = _4A-12A _TM1 ANT1
1.19.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1207.9104	23.58	-67.19	-13.00	54.19	-90.77	Horizontal
2	2121.4561	45.04	-43.20	-13.00	30.20	-88.24	Horizontal
3	2410.6705	44.66	-42.31	-13.00	29.31	-86.97	Horizontal
4	2722.4861	40.13	-45.72	-13.00	32.72	-85.85	Horizontal
5	5702.3851	50.16	-56.68	-13.00	43.68	-106.84	Horizontal
6	9013.0507	48.45	-50.52	-13.00	37.52	-98.97	Horizontal



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1.20. Test Band = _4A-12A _TM1 ANT1

1.20.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1153.0077	22.18	-68.09	-13.00	55.09	-90.27	Vertical
2	2113.0557	35.69	-52.85	-13.00	39.85	-88.54	Vertical
3	2933.5967	22.51	-62.21	-13.00	49.21	-84.72	Vertical
4	6176.4088	50.11	-56.36	-13.00	43.36	-106.47	Vertical
5	9941.5971	48.25	-49.96	-13.00	36.96	-98.21	Vertical
6	17986.499	49.57	-44.03	-13.00	31.03	-93.60	Vertical



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1.21. Test Band = _4A-12A _TM1 ANT1
1.21.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1020.6010	49.83	-41.11	-13.00	28.11	-90.94	Horizontal
2	2123.9562	44.10	-44.15	-13.00	31.15	-88.25	Horizontal
3	2426.7713	48.40	-38.60	-13.00	25.60	-87.00	Horizontal
4	2744.0872	45.24	-40.52	-13.00	27.52	-85.76	Horizontal
5	7479.2240	50.03	-52.17	-13.00	39.17	-102.20	Horizontal
6	13376.018	47.08	-45.51	-13.00	32.51	-92.59	Horizontal



1.22. Test Band = _4A-12A _TM1 ANT1
1.22.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1151.4076	22.18	-68.04	-13.00	55.04	-90.22	Vertical
2	2134.9567	36.65	-51.56	-13.00	38.56	-88.21	Vertical
3	2967.6984	22.56	-62.33	-13.00	49.33	-84.89	Vertical
4	5200.6100	51.12	-57.78	-13.00	44.78	-108.90	Vertical
5	9031.8016	48.84	-50.21	-13.00	37.21	-99.05	Vertical
6	17990.999	49.56	-44.13	-13.00	31.13	-93.69	Vertical



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1.23. Test Band = _4A-12A _TM1 ANT1

1.23.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1029.6015	54.18	-36.67	-13.00	23.67	-90.85	Horizontal
2	1413.1207	51.83	-38.57	-13.00	25.57	-90.40	Horizontal
3	2136.7568	41.53	-46.64	-13.00	33.64	-88.17	Horizontal
4	2442.7721	60.41	-26.66	-13.00	13.66	-87.07	Horizontal
5	2765.6883	37.58	-48.30	-13.00	35.30	-85.88	Horizontal
6	8334.2667	49.33	-51.97	-13.00	38.97	-101.30	Horizontal



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1.24. Test Band = _4A-12A _TM1 ANT1

1.24.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1029.5015	40.02	-50.83	-13.00	37.83	-90.85	Vertical
2	1413.2207	31.89	-58.51	-13.00	45.51	-90.40	Vertical
3	2152.2576	37.08	-51.16	-13.00	38.16	-88.24	Vertical
4	2442.4721	41.33	-45.74	-13.00	32.74	-87.07	Vertical
5	2765.6883	28.83	-57.05	-13.00	44.05	-85.88	Vertical
6	11934.446	47.90	-46.76	-13.00	33.76	-94.66	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 All modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

The End

