

1750.5	23.21	30.00
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LTE Band 4_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1715	22.07	30.00
1732.5	22.04	30.00
1750.5	22.12	30.00

LTE Band 4_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1717.5	24.08	30.00
1732.5	24.20	30.00
1747.5	24.24	30.00

LTE Band 4_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1717.5	23.16	30.00
1732.5	23.27	30.00
1747.5	23.35	30.00

LTE Band 4_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1717.5	22.03	30.00
1732.5	22.06	30.00
1747.5	22.02	30.00

LTE Band 4_20MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1720	24.25	30.00
1732.5	24.32	30.00
1745	24.26	30.00

LTE Band 4_20MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1720	23.22	30.00
1732.5	23.31	30.00
1745	23.27	30.00

LTE Band 4_20MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1720	22.01	30.00
1732.5	21.99	30.00
1745	22.06	30.00

LTE Band 5
Limits: ≤38.45dBm (7W)

LTE Band 5_1.4MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
824.70	19.85	38.45
836.50	19.89	38.45
848.30	19.88	38.45

LTE Band 5_1.4MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
824.70	18.88	38.45
836.50	18.91	38.45
848.30	18.72	38.45

LTE Band 5_1.4MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
824.70	17.88	38.45
836.50	17.75	38.45
848.30	17.92	38.45

LTE Band 5_3MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
825.50	19.85	38.45
836.50	19.89	38.45
847.50	19.79	38.45

LTE Band 5_3MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
825.50	18.83	38.45
836.50	18.80	38.45
847.50	18.79	38.45

LTE Band 5_3MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
825.50	17.86	38.45
836.50	17.84	38.45
847.50	17.83	38.45

LTE Band 5_5MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
826.50	19.84	38.45
836.50	19.90	38.45
846.50	19.89	38.45

LTE Band 5_5MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
826.50	18.84	38.45
836.50	18.80	38.45
846.50	18.87	38.45

LTE Band 5_5MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
826.50	17.83	38.45
836.50	17.86	38.45
846.50	17.81	38.45

LTE Band 5_10MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
829.00	19.93	38.45
836.50	19.94	38.45

844.00	19.91	38.45
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LTE Band 5_10MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
829.00	18.82	38.45
836.50	18.88	38.45
844.00	18.84	38.45

LTE Band 5_10MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
829.00	17.91	38.45
836.50	17.79	38.45
844.00	17.88	38.45

LTE Band 7
Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2502.5	22.80	33.00
2535	22.93	33.00
2567.5	22.75	33.00

LTE Band 7_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2502.5	21.94	33.00
2535	21.91	33.00
2567.5	21.98	33.00

LTE Band 7_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2502.5	21.01	33.00
2535	20.96	33.00
2567.5	20.84	33.00

LTE Band 7_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2505	22.84	33.00
2535	22.78	33.00
2565	22.75	33.00

LTE Band 7_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2505	22.04	33.00
2535	21.95	33.00
2565	21.95	33.00

LTE Band 7_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2505	21.00	33.00
2535	20.98	33.00
2565	20.80	33.00

LTE Band 7_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2507.5	22.78	33.00
2535	22.96	33.00
2562.5	22.78	33.00

LTE Band 7_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2507.5	22.03	33.00
2535	22.02	33.00
2562.5	22.01	33.00

LTE Band 7_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2507.5	20.94	33.00
2535	20.94	33.00
2562.5	20.93	33.00

LTE Band 7_20MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2510	22.87	33.00
2535	22.95	33.00
2560	22.80	33.00

LTE Band 7_20MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2510	22.01	33.00
2535	22.04	33.00
2560	22.00	33.00

LTE Band 7_20MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2510	20.95	33.00
2535	20.91	33.00
2560	20.87	33.00

LTE Band 12
Limits: ≤34.77 dBm (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
699.7	16.92	34.77
707.5	16.98	34.77
715.3	17.00	34.77

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
699.7	15.96	34.77
707.5	16.13	34.77
715.3	16.02	34.77

LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
699.7	14.82	34.77
707.5	14.80	34.77
715.3	14.81	34.77

LTE Band 12_3MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
700.5	17.02	34.77
707.5	16.97	34.77
714.5	16.93	34.77

LTE Band 12_3MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
700.5	16.11	34.77
707.5	15.96	34.77
714.5	16.01	34.77

LTE Band 12_3MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
700.5	14.91	34.77
707.5	14.85	34.77
714.5	14.90	34.77

LTE Band 12_5MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
701.5	16.96	34.77
707.5	17.03	34.77
713.5	16.96	34.77

LTE Band 12_5MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
701.5	16.10	34.77
707.5	16.13	34.77
713.5	16.08	34.77

LTE Band 12_5MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
701.5	14.79	34.77
707.5	14.91	34.77
713.5	14.81	34.77

LTE Band 12_10MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
704	17.05	34.77
707.5	17.07	34.77
711	16.98	34.77

LTE Band 12_10MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
704	16.08	34.77
707.5	16.10	34.77

711	16.06	34.77
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LTE Band 12_10MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
704	14.84	34.77
707.5	14.85	34.77
711	14.88	34.77

LTE Band 13
Limits: ≤34.77 dBm (3W)

LTE Band 13_5MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
779.5	16.99	34.77
782	16.95	34.77
784.5	16.99	34.77

LTE Band 13_5MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
779.5	16.03	34.77
782	15.97	34.77
784.5	15.98	34.77

LTE Band 13_5MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
779.5	15.04	34.77
782	14.94	34.77
784.5	14.99	34.77

LTE Band 13_10MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
/	/	/
782	17.04	34.77
/	/	/

LTE Band 13_10MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
/	/	/
782	16.07	34.77
/	/	/

LTE Band 13_10MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
/	/	/
782	15.02	34.77
/	/	/

LTE Band 17
Limits: ≤34.77 dBm (3W)

LTE Band 17_5MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
706.5	16.83	34.77
710	16.95	34.77

713.5	16.90	34.77
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LTE Band 17_5MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
706.5	15.89	34.77
710	16.08	34.77
713.5	16.02	34.77

LTE Band 17_5MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
706.5	14.84	34.77
710	14.90	34.77
713.5	14.93	34.77

LTE Band 17_10MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
709	16.96	34.77
710	16.99	34.77
711	16.92	34.77

LTE Band 17_10MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
709	15.91	34.77
710	16.07	34.77
711	15.93	34.77

LTE Band 17_10MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
709	14.81	34.77
710	14.84	34.77
711	14.90	34.77

LTE Band 25
Limits: ≤33 dBm (2W)

LTE Band 25_1.4MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1850.7	24.19	33.00
1882.5	24.28	33.00
1914.3	24.20	33.00

LTE Band 25_1.4MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1850.7	23.28	33.00
1882.5	23.29	33.00
1914.3	23.24	33.00

LTE Band 25_1.4MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1850.7	22.09	33.00
1882.5	22.22	33.00
1914.3	22.16	33.00

LTE Band 25_3MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1851.5	24.20	33.00
1882.5	24.26	33.00
1913.5	24.19	33.00

LTE Band 25_3MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1851.5	23.18	33.00
1882.5	23.31	33.00
1913.5	23.20	33.00

LTE Band 25_3MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1851.5	22.22	33.00
1882.5	22.23	33.00
1913.5	22.15	33.00

LTE Band 25_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1852.5	24.25	33.00
1882.5	24.31	33.00
1912.5	24.24	33.00

LTE Band 25_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1852.5	23.09	33.00
1882.5	23.19	33.00
1912.5	23.18	33.00

LTE Band 25_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1852.5	22.13	33.00
1882.5	22.21	33.00
1912.5	22.12	33.00

LTE Band 25_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1855	24.29	33.00
1882.5	24.28	33.00
1910	24.24	33.00

LTE Band 25_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1855	23.18	33.00
1882.5	23.12	33.00
1910	23.15	33.00

LTE Band 25_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1855	22.16	33.00
1882.5	22.25	33.00

1910	22.15	33.00
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LTE Band 25_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1857.5	24.23	33.00
1882.5	24.29	33.00
1907.5	24.21	33.00

LTE Band 25_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1857.5	23.18	33.00
1882.5	23.23	33.00
1907.5	23.24	33.00

LTE Band 25_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1857.5	22.13	33.00
1882.5	22.17	33.00
1907.5	22.14	33.00

LTE Band 25_20 MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1860	24.32	33.00
1882.5	24.33	33.00
1905	24.29	33.00

LTE Band 25_20 MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1860	23.17	33.00
1882.5	23.25	33.00
1905	23.26	33.00

LTE Band 25_20 MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1860	22.16	33.00
1882.5	22.22	33.00
1905	22.15	33.00

LTE Band 26(824-849MHz)
Limits: ≤38.45dBm (7W)

LTE Band 26_1.4MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
824.7	19.93	38.45
836.5	20.05	38.45
848.3	19.88	38.45

LTE Band 26_1.4MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
824.7	18.89	38.45
836.5	18.84	38.45
848.3	18.78	38.45

LTE Band 26_1.4MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
824.7	17.76	38.45
836.5	17.86	38.45
848.3	17.64	38.45

LTE Band 26_3MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
825.5	20.00	38.45
836.5	20.01	38.45
847.5	19.92	38.45

LTE Band 26_3MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
825.5	18.77	38.45
836.5	18.80	38.45
847.5	18.77	38.45

LTE Band 26_3MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
825.5	17.82	38.45
836.5	17.88	38.45
847.5	17.66	38.45

LTE Band 26_5MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
826.5	20.04	38.45
836.5	19.98	38.45
846.5	19.85	38.45

LTE Band 26_5MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
826.5	18.76	38.45
836.5	18.72	38.45
846.5	18.74	38.45

LTE Band 26_5MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
826.5	17.85	38.45
836.5	17.87	38.45
846.5	17.72	38.45

LTE Band 26_10MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
829	19.98	38.45
836.5	19.98	38.45
844	19.95	38.45

LTE Band 26_10MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
829	18.75	38.45
836.5	18.82	38.45

844	18.85	38.45
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LTE Band 26_10MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
829	17.81	38.45
836.5	17.79	38.45
844	17.68	38.45

LTE Band 26_15MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
831.5	20.07	38.45
836.5	20.03	38.45
841.4	19.97	38.45

LTE Band 26_15MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
831.5	18.88	38.45
836.5	18.81	38.45
841.4	18.80	38.45

LTE Band 26_15MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
831.5	17.79	38.45
836.5	17.81	38.45
841.4	17.73	38.45

LTE Band 38
Limits: ≤33 dBm (2W)

LTE Band 38_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2572.5	22.73	33.00
2595	22.79	33.00
2617.5	22.57	33.00

LTE Band 38_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2572.5	21.69	33.00
2595	21.82	33.00
2617.5	21.72	33.00

LTE Band 38_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2572.5	20.77	33.00
2595	20.84	33.00
2617.5	20.80	33.00

LTE Band 38_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2575	22.77	33.00
2595	22.81	33.00
2615	22.62	33.00

LTE Band 38_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2575	21.78	33.00
2595	21.63	33.00
2615	21.69	33.00

LTE Band 38_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2575	20.76	33.00
2595	20.91	33.00
2615	20.83	33.00

LTE Band 38_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2577.5	22.71	33.00
2595	22.82	33.00
2612.5	22.65	33.00

LTE Band 38_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2577.5	21.71	33.00
2595	21.81	33.00
2612.5	21.79	33.00

LTE Band 38_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2577.5	20.82	33.00
2595	20.90	33.00
2612.5	20.84	33.00

LTE Band 38_20MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2580	22.85	33.00
2595	22.86	33.00
2610	22.67	33.00

LTE Band 38_20MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2580	21.72	33.00
2595	21.83	33.00
2610	21.75	33.00

LTE Band 38_20MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2580	20.73	33.00
2595	20.81	33.00
2610	20.80	33.00

LTE Band 41
Limits: ≤33 dBm (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2498.5	23.02	33.00
2593	23.08	33.00
2687.5	23.07	33.00

LTE Band 41_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2498.5	21.74	33.00
2593	21.73	33.00
2687.5	21.80	33.00

LTE Band 41_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2498.5	20.85	33.00
2593	20.84	33.00
2687.5	20.86	33.00

LTE Band 41_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2501	23.06	33.00
2593	23.00	33.00
2685	23.07	33.00

LTE Band 41_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2501	21.61	33.00
2593	21.73	33.00
2685	21.80	33.00

LTE Band 41_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2501	20.79	33.00
2593	20.82	33.00
2685	21.01	33.00

LTE Band 41_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2503.5	23.00	33.00
2593	23.11	33.00
2682.5	23.10	33.00

LTE Band 41_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2503.5	21.75	33.00
2593	21.86	33.00
2682.5	21.90	33.00

LTE Band 41_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2503.5	20.77	33.00
2593	20.85	33.00
2682.5	21.02	33.00

LTE Band 41_20MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2506	23.09	33.00
2593	23.13	33.00
2680	23.12	33.00

LTE Band 41_20MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2506	21.73	33.00
2593	21.83	33.00
2680	21.83	33.00

LTE Band 41_20MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2506	20.79	33.00
2593	20.82	33.00
2680	20.94	33.00

LTE Band 41(Note 1)
Limits: ≤33 dBm (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2502.5	23.00	33.00
2593	23.08	33.00
2687.5	23.07	33.00

LTE Band 41_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2502.5	22.19	33.00
2593	21.73	33.00
2687.5	21.80	33.00

LTE Band 41_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2502.5	20.85	33.00
2593	20.84	33.00
2687.5	20.86	33.00

LTE Band 41_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2505	22.98	33.00
2593	23.00	33.00
2685	23.07	33.00

LTE Band 41_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2505	22.28	33.00
2593	21.73	33.00
2685	21.80	33.00

LTE Band 41_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2505	20.91	33.00
2593	20.82	33.00
2685	21.01	33.00

LTE Band 41_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2507.5	22.93	33.00
2593	23.11	33.00
2682.5	23.10	33.00

LTE Band 41_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2507.5	22.26	33.00
2593	21.86	33.00
2682.5	21.90	33.00

LTE Band 41_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2507.5	20.81	33.00
2593	20.85	33.00
2682.5	21.02	33.00

LTE Band 41_20MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2510	23.06	33.00
2593	23.13	33.00
2680	23.12	33.00

LTE Band 41_20MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2510	22.22	33.00
2593	21.83	33.00
2680	21.83	33.00

LTE Band 41_20MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
2510	20.84	33.00
2593	20.82	33.00
2680	20.94	33.00

Note 1: This frequency range is only applicable for IC certification.

LTE Band 66
Limits: ≤30dBm (1W)

LTE Band 66_1.4MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1710.7	24.26	30.00
1745	24.30	30.00
1779.3	24.30	30.00

LTE Band 66_1.4MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1710.7	23.21	30.00
1745	23.35	30.00
1779.3	23.27	30.00

TE Band 66_1.4MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1710.7	22.01	30.00
1745	22.16	30.00
1779.3	22.04	30.00

LTE Band 66_3MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1711.5	24.22	30.00
1745	24.30	30.00
1778.5	24.29	30.00

LTE Band 66_3MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1711.5	23.37	30.00
1745	23.43	30.00
1778.5	23.23	30.00

LTE Band 66_3MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1711.5	22.10	30.00
1745	22.11	30.00
1778.5	22.13	30.00

LTE Band 66_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1712.5	24.27	30.00
1745	24.38	30.00
1777.5	24.31	30.00

LTE Band 66_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1712.5	23.24	30.00
1745	23.27	30.00
1777.5	23.26	30.00

LTE Band 66_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1712.5	22.16	30.00
1745	22.14	30.00
1777.5	22.10	30.00

LTE Band 66_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1715	24.31	30.00
1745	24.35	30.00
1775	24.31	30.00

LTE Band 66_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1715	23.30	30.00
1745	23.33	30.00
1775	23.26	30.00

TE Band 66_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1715	22.16	30.00
1745	22.10	30.00
1775	22.13	30.00

LTE Band 66_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1717.5	24.19	30.00
1745	24.36	30.00
1772.5	24.34	30.00

LTE Band 66_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1717.5	23.37	30.00
1745	23.34	30.00
1772.5	23.33	30.00

LTE Band 66_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1717.5	22.06	30.00
1745	22.18	30.00
1772.5	22.11	30.00

LTE Band 66_20 MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1720	24.34	30.00
1745	24.40	30.00
1770	24.36	30.00

LTE Band 66_20 MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1720	23.32	30.00
1745	23.36	30.00

1770	23.29	30.00
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LTE Band 66_20 MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1720	22.10	30.00
1745	22.09	30.00
1770	22.07	30.00

LTE Band 71
Limits: ≤34.77dBm (3W)

LTE Band 71_5MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
665.5	15.55	34.77
680.5	15.67	34.77
695.5	15.54	34.77

LTE Band 71_5MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
665.5	14.86	34.77
680.5	14.93	34.77
695.5	14.91	34.77

LTE Band 71_5MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
665.5	13.84	34.77
680.5	13.86	34.77
695.5	13.80	34.77

LTE Band 71_10MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
668	15.64	34.77
680.5	15.64	34.77
693	15.54	34.77

LTE Band 71_10MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
668	14.85	34.77
680.5	14.82	34.77
693	14.88	34.77

LTE Band 71_10MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
668	13.79	34.77
680.5	13.84	34.77
693	13.89	34.77

LTE Band 71_15MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
670.5	15.58	34.77
680.5	15.65	34.77
690.5	15.57	34.77

LTE Band 71_15MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
670.5	14.86	34.77
680.5	14.92	34.77
690.5	14.98	34.77

LTE Band 71_15MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
670.5	13.81	34.77
680.5	13.86	34.77
690.5	13.81	34.77

LTE Band 71_20MHz_QPSK

Frequency(MHz)	ERP(dBm)	Limit(dBm)
673	15.67	34.77
683	15.69	34.77
688	15.59	34.77

LTE Band 71_20MHz_16QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
673	14.90	34.77
683	14.96	34.77
688	14.94	34.77

LTE Band 71_20MHz_64QAM

Frequency(MHz)	ERP(dBm)	Limit(dBm)
673	13.79	34.77
683	13.85	34.77
688	13.83	34.77

6.2 Emission Limit

6.2.1 Measurement Limit

FCC §22.917(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC §24.238(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC §27.53(a) For mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands:

(i) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz;

(iii) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

FCC §27.53(c)

For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC §27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for

wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC §27.53(h):

AWS emission limits —

(1) General protection levels. Except as otherwise specified below, for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

(2) Additional protection levels. Notwithstanding the foregoing paragraph (h)(1) of this section:

(i) Operations in the 2180–2200 MHz band are subject to the out-of-band emission requirements set forth in § 27.1134 for the protection of federal government operations operating in the 2200–2290 MHz band.

(ii) For operations in the 2000–2020 MHz band, the power of any emissions below 2000 MHz shall be attenuated below the transmitter power (P) in watts by at least $70 + 10 \log_{10}(P)$ dB.

(iii) For operations in the 1915–1920 MHz band, the power of any emission between 1930–1995 MHz shall be attenuated below the transmitter power (P) in watts by at least $70 + 10 \log_{10}(P)$ dB.

(iv) For operations in the 1995–2000 MHz band, the power of any emission between 2005–2020 MHz shall be attenuated below the transmitter power (P) in watts by at least $70 + 10 \log_{10}(P)$ dB.

FCC §27.50(c)(10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

FCC §27.53(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

RSS-133 5.6, RSS-199 5.6:

Unwanted emissions shall be measured in terms of average values while the transmitter is operating at the manufacturer's rated power and modulated as specified in RSS-Gen.

Equipment shall meet the unwanted emission limits, specified in table 3, outside each frequency block group. For each channel bandwidth supported by the equipment under test, the unwanted emissions shall be measured and reported for two channel frequencies: one located as close as possible to the low end and one located as close as possible to the high end of the equipment's operating frequency range. For the unwanted emission limits, in the 1 MHz bands immediately outside and adjacent to the frequency

block group, the power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth (OBW). Beyond these 1 MHz bands, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth may be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% of the OBW, as applicable.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table.

Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm/(1% of OBW)
> 1	-13 dBm/MHz

RSS-139 5.6

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table.

Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
1 MHz	-13 dBm/(1% of OB*)
>1 MHz	-13 dBm/MHz

RSS-132 5.5

Equipment shall meet the unwanted emission limits specified below:

- In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB.
- After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

p is the output power specified in watts.

RSS 130 4.7:

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed. In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
 - $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and
 - $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment
- the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

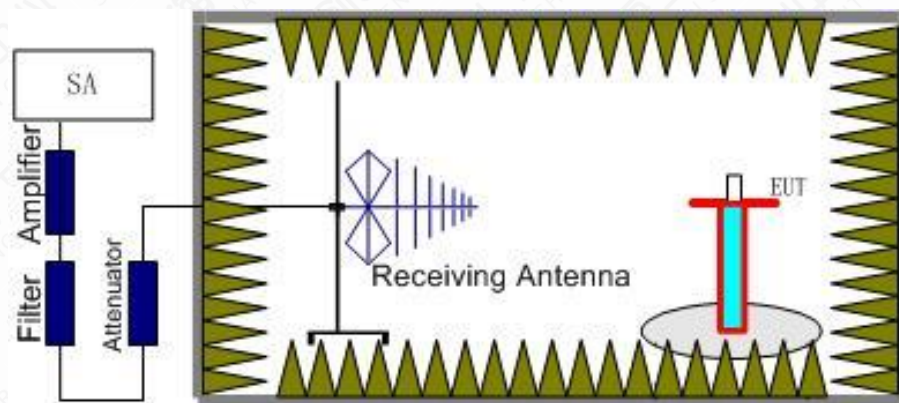
6.2.2 Method of Measurement

The measurements procedures in TIA-603E-2016 are used. This measurement is carried out in fully-anechoic chamber FAC-3.

The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in standard. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the LTE Bands.

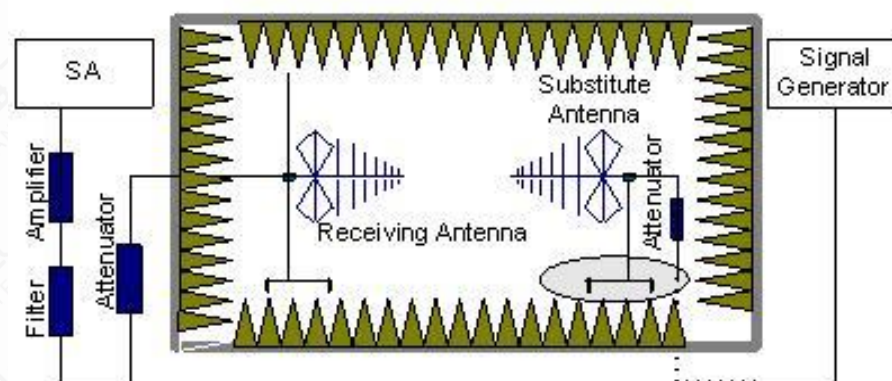
The procedure of radiated spurious emissions is as follows:

1. Below 1 GHz, EUT was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (P_r).

3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of

the antenna. A power (PMea) is applied to the input of the substitution antenna. Adjust the level of the signal generator output until the value of the receiver reaches the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4.The Path loss (Pcl) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain (Ga) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss (Pcl) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

Power (EIRP) =PMea- Pcl + Ga

5.This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.

6.ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.

6.2.3 Measurement Results

Radiated emissions measurements were made at the upper, middle, and lower carrier frequencies of the LTE Bands.It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the LTE Bands. Into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. The evaluated frequency range is from 30MHz to ten times the main frequency signal. The final data result takes the worst pattern data and places it in the report.

Band	BW (MHz)	RB Config	Modulation	Channel	Frequency Range	Result
Band 2	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 4	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 5	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 7	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 12	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 13	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 17	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS

Band	BW (MHz)	RB Config	Modulation	Channel	Frequency Range	Result
Band 25	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 26 (824-849MHz)	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 38	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 41	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 41 (Note 1)	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
Band66	1.4	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS
Band 71	5	OneRB_low	QPSK	Low	30MHz~20GHz	PASS
				Middle	30MHz~20GHz	PASS
				High	30MHz~20GHz	PASS

Note 1: This frequency range is only applicable for IC certification.

RSE-LTE2-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3701.2	-53.55	6.6	7.9	-52.25	-13	39.25	H
5552.0	-50.04	8.2	9.8	-48.44	-13	35.44	H
7402.8	-49.71	9.7	11.6	-47.81	-13	34.81	V
9253.6	-47.66	10.7	12.7	-45.66	-13	32.66	V
11109.2	-48.24	12.1	12.3	-48.04	-13	35.04	H
12958.6	-44.17	13.2	12.3	-45.07	-13	32.07	H

RSE-LTE2-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3760.0	-50.24	6.6	7.9	-48.94	-13	35.94	H
5640.0	-45.92	8.3	10.2	-44.02	-13	31.02	V
7519.6	-48.7	9.7	11.6	-46.8	-13	33.80	V
9400.0	-46.63	10.7	12.7	-44.63	-13	31.63	V

11280.0	-46.23	12.1	12.3	-46.03	-13	33.03	H
13156.0	-45.21	13.0	12.3	-45.91	-13	32.91	H

RSE-LTE2-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3818.8	-53.32	6.7	7.9	-52.12	-13	39.12	V
5727.6	-48.86	8.5	10.2	-47.16	-13	34.16	H
7636.4	-47.14	9.7	11.8	-45.04	-13	32.04	V
9546.0	-48.21	10.7	12.7	-46.21	-13	33.21	H
11438.2	-46.54	12.1	12.3	-46.34	-13	33.34	V
13374.4	-43.79	13.7	12.3	-45.19	-13	32.19	V

RSE-LTE4-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3416.0	-54.99	6.3	7.8	-53.49	-13	40.49	H
5132.4	-46.71	7.9	9.4	-45.21	-13	32.21	V
6843.2	-51.92	9.2	10.9	-50.22	-13	37.22	V
8553.6	-49.13	10.3	12.6	-46.83	-13	33.83	V
10263.2	-48.59	11.5	12.3	-47.79	-13	34.79	H
11974.4	-47.16	12.6	12.3	-47.46	-13	34.46	H

RSE-LTE4-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3464.8	-55.48	6.4	7.8	-54.08	-13	41.08	H
5196.8	-53.48	8.0	9.4	-52.08	-13	39.08	H
6930.0	-53.7	9.3	11.1	-51.9	-13	38.90	H
8662.4	-52.32	10.3	12.7	-49.92	-13	36.92	H
10389.2	-47.64	11.6	12.3	-46.94	-13	33.94	H
12125.6	-47.19	12.6	12.3	-47.49	-13	34.49	H

RSE-LTE4-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3506.0	-55.02	6.4	7.8	-53.62	-13	40.62	H
5263.2	-51.63	8.0	9.4	-50.23	-13	37.23	V
7017.2	-53.03	9.3	11.1	-51.23	-13	38.23	V
8771.6	-49.68	10.4	12.7	-47.38	-13	34.38	H
10524.4	-47.89	11.6	12.3	-47.19	-13	34.19	V
12282.4	-46.55	12.7	12.3	-46.95	-13	33.95	H

RSE-LTE5-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1649.3	-50.3	4.2	4.7	-49.8	-13	36.80	V
2476.5	-40.97	5.4	5.6	-40.77	-13	27.77	V
3298.4	-48.68	6.2	6.9	-47.98	-13	34.98	V
4123.2	-50.8	7.0	8.6	-49.2	-13	36.20	V
4948.0	-48.55	7.7	9.6	-46.65	-13	33.65	V
5772.8	-54.03	8.5	10.2	-52.33	-13	39.33	V

RSE-LTE5-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1673.9	-51.19	4.5	4.7	-50.99	-13	37.99	V
2509.2	-45.02	5.4	5.6	-44.82	-13	31.82	H
3345.2	-53.39	6.2	6.9	-52.69	-13	39.69	H
4182.8	-52.29	7.0	8.9	-50.39	-13	37.39	V
5018.8	-50.91	7.8	9.6	-49.11	-13	36.11	V
5854.8	-53.75	8.4	10.2	-51.95	-13	38.95	H

RSE-LTE5-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1697.1	-50.55	4.5	4.7	-50.35	-13	37.35	V
2544.6	-43.77	5.4	5.6	-43.57	-13	30.57	V
3392.0	-54.09	6.3	7.8	-52.59	-13	39.59	H
4241.6	-51.14	7.1	8.9	-49.34	-13	36.34	V
5089.6	-50.26	7.9	9.6	-48.56	-13	35.56	V
5936.4	-53.62	8.5	10.2	-51.92	-13	38.92	H

RSE-LTE7-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
5006.0	-47.79	7.8	9.6	-45.99	-25	20.99	H
7504.4	-48.6	9.7	11.6	-46.7	-25	21.70	H
10106.4	-46.6	11.3	12.5	-45.4	-25	20.40	H
12522.5	-42.78	12.7	12.3	-43.18	-25	18.18	H
15014.5	-38.33	14.4	12.3	-40.43	-25	15.43	V
17518.8	-32.92	15.1	12.3	-35.72	-25	10.72	V

RSE-LTE7-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
5068.8	-47.38	7.8	9.6	-45.58	-25	20.58	H
7604.4	-49.63	9.7	11.6	-47.73	-25	22.73	V
10140.0	-46.31	11.3	12.5	-45.11	-25	20.11	H
12673.0	-42.19	12.7	12.3	-42.59	-25	17.59	H
15214.0	-35.97	14.5	12.3	-38.17	-25	13.17	H
17742.8	-31.46	15.8	12.3	-34.96	-25	9.96	V

RSE-LTE7-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
5135.6	-48.3	7.9	9.4	-46.8	-25	21.80	V
7701.2	-49.58	9.8	11.8	-47.58	-25	22.58	H
10268.0	-44.32	11.5	12.3	-43.52	-25	18.52	H
12823.5	-41.56	12.5	12.3	-41.76	-25	16.76	V
15413.5	-35.24	14.4	12.3	-37.34	-25	12.34	H
17970.2	-28.36	16.4	12.3	-32.46	-25	7.46	V

RSE-LTE12-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1400.1	-54.92	4.0	5.3	-53.62	-13	40.62	H
2097.3	-47.97	4.9	4.5	-48.37	-13	35.37	H
2799.6	-42.54	5.7	6.1	-42.14	-13	29.14	H
3497.2	-55.52	6.4	7.8	-54.12	-13	41.12	H
4196.8	-55	7.0	8.9	-53.1	-13	40.10	H
4897.2	-52.56	7.7	9.6	-50.66	-13	37.66	H

RSE-LTE12-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1413.6	-54.41	4.0	5.3	-53.11	-13	40.11	H
2123.1	-48.06	4.9	4.5	-48.46	-13	35.46	H
2830.0	-42.59	5.8	6.1	-42.29	-13	29.29	H
3539.6	-53.89	6.4	7.8	-52.49	-13	39.49	H
4245.2	-54.9	7.1	8.9	-53.1	-13	40.10	H
4955.6	-53.74	7.7	9.6	-51.84	-13	38.84	H

RSE-LTE12-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1430.9	-53.03	4.1	5.3	-51.83	-13	38.83	H
2145.4	-47.66	5.0	5.1	-47.56	-13	34.56	H
2863.5	-42.17	5.8	6.1	-41.87	-13	28.87	V
3578.0	-53.74	6.5	7.8	-52.44	-13	39.44	H
4294.0	-54.88	7.1	8.9	-53.08	-13	40.08	H
5010.0	-52.85	7.8	9.6	-51.05	-13	38.05	H

RSE-LTE13-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1559.3	-53.78	4.2	5.3	-52.68	-40	12.68	H
2338.8	-44.53	5.2	5.1	-44.63	-13	31.63	H
3120.8	-54.32	6.0	6.7	-53.62	-13	40.62	H
3891.6	-55.36	6.8	8.6	-53.56	-13	40.56	H
4676.0	-54.17	7.5	9.0	-52.67	-13	39.67	H
5455.6	-53.99	8.1	9.8	-52.29	-13	39.29	H

RSE-LTE13-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1564.2	-54.53	4.2	5.3	-53.43	-40	13.43	V
2346.5	-45.86	5.2	5.1	-45.96	-13	32.96	V
3129.6	-54.48	6.0	6.9	-53.58	-13	40.58	H
3909.2	-55.49	6.8	8.6	-53.69	-13	40.69	H
4687.2	-52.81	7.5	9.0	-51.31	-13	38.31	H
5473.6	-54.01	8.1	9.8	-52.31	-13	39.31	V

RSE-LTE13-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1569.4	-53.77	4.2	5.3	-52.67	-40	12.67	H
2355.8	-45.75	5.2	5.1	-45.85	-13	32.85	V
3138.8	-54.13	6.0	6.9	-53.23	-13	40.23	H
3922.8	-55.38	6.8	8.6	-53.58	-13	40.58	H
4705.2	-54.19	7.5	9.0	-52.69	-13	39.69	H
5492.8	-53.74	8.2	9.8	-52.14	-13	39.14	H

RSE-LTE17-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1412.9	-54.88	4.0	5.3	-53.58	-13	40.58	H
2119.2	-47.76	4.9	4.5	-48.16	-13	35.16	H
2825.0	-42.75	5.7	6.1	-42.35	-13	29.35	H
3533.2	-54.64	6.4	7.8	-53.24	-13	40.24	H
4239.6	-55.06	7.1	8.9	-53.26	-13	40.26	H
4942.4	-53.11	7.7	9.6	-51.21	-13	38.21	H

RSE-LTE17-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1420.5	-54.47	4.0	5.3	-53.17	-13	40.17	V
2130.0	-47.49	5.0	5.1	-47.39	-13	34.39	H
2838.1	-41.93	5.8	6.1	-41.63	-13	28.63	V
3549.6	-54.29	6.4	7.8	-52.89	-13	39.89	H
4260.4	-55	7.1	8.9	-53.2	-13	40.20	H
4976.8	-53.23	7.8	9.6	-51.43	-13	38.43	H

RSE-LTE17-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1427.5	-54.5	4.1	5.3	-53.3	-13	40.30	V
2140.0	-47.12	5.0	5.1	-47.02	-13	34.02	H
2853.5	-41.65	5.8	6.1	-41.35	-13	28.35	V
3569.6	-54.62	6.4	7.8	-53.22	-13	40.22	H
4284.0	-54.78	7.1	8.9	-52.98	-13	39.98	H
4972.4	-53	7.7	9.6	-51.1	-13	38.10	H

RSE-LTE25-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3701.6	-53.5	6.6	7.9	-52.2	-13	39.20	H
5552.4	-49.13	8.2	9.8	-47.53	-13	34.53	H
7402.8	-49.67	9.7	11.6	-47.77	-13	34.77	V
9253.2	-48.24	10.7	12.7	-46.24	-13	33.24	V
11100.8	-48.14	12.1	12.3	-47.94	-13	34.94	H
12954.4	-45.87	13.2	12.3	-46.77	-13	33.77	H

RSE-LTE25-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3765.2	-54.37	6.6	7.9	-53.07	-13	40.07	H
5647.6	-46.13	8.3	10.2	-44.23	-13	31.23	V
7530.0	-49.63	9.7	11.6	-47.73	-13	34.73	V
9412.8	-47.78	10.7	12.7	-45.78	-13	32.78	V
11295.4	-48.21	12.1	12.3	-48.01	-13	35.01	V
13175.6	-46.45	13.0	12.3	-47.15	-13	34.15	H

RSE-LTE25-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3828.0	-51.68	6.7	7.9	-50.48	-13	37.48	V
5742.8	-47.9	8.5	10.2	-46.2	-13	33.20	V
7657.6	-47.3	9.7	11.8	-45.2	-13	32.20	V
9571.6	-46.9	10.8	12.7	-45	-13	32.00	V
11564.2	-45.39	12.2	12.3	-45.29	-13	32.29	V
13310.0	-44.27	13.6	12.3	-45.57	-13	32.57	H

RSE-LTE26-L-830.3

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1731.0	-50.31	4.5	4.7	-50.11	-13	37.11	H
2584.6	-43.5	5.5	5.6	-43.4	-13	30.40	V
3431.2	-54.91	6.4	7.8	-53.51	-13	40.51	H
4310.8	-53.34	7.1	8.9	-51.54	-13	38.54	H
5170.4	-52.2	7.9	9.4	-50.7	-13	37.70	V
6178.4	-52.2	8.7	10.3	-50.6	-13	37.60	H

RSE-LTE26-M-836.5

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1753.2	-50.23	4.5	4.7	-50.03	-13	37.03	V
2627.3	-43.88	5.5	6.1	-43.28	-13	30.28	H
3391.2	-53.58	6.3	7.8	-52.08	-13	39.08	H
4538.4	-52.42	7.4	8.7	-51.12	-13	38.12	V
5761.6	-52.97	8.5	10.2	-51.27	-13	38.27	H
7252.3	-52.56	9.6	11.4	-50.76	-13	37.76	H

RSE-LTE26-H-842.8

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1796.5	-49.06	4.5	4.7	-48.86	-13	35.86	H
2675.8	-43.18	5.6	6.1	-42.68	-13	29.68	H
3564.8	-54.19	6.4	7.8	-52.79	-13	39.79	H
4422.8	-53.17	7.3	8.7	-51.77	-13	38.77	H
5254.4	-52.52	8.0	9.4	-51.12	-13	38.12	V
6475.6	-52.27	9.0	10.6	-50.67	-13	37.67	H

RSE-LTE38-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3429.6	-50.97	6.4	7.8	-49.57	-25	24.57	H
4421.2	-52.43	7.3	8.7	-51.03	-25	26.03	H
5581.6	-53.8	8.3	9.8	-52.3	-25	27.30	H
6764.0	-53.19	9.2	10.9	-51.49	-25	26.49	V
8398.8	-51.68	10.2	12.6	-49.28	-25	24.28	V
10290.0	-44.89	11.5	12.3	-44.09	-25	19.09	H

RSE-LTE38-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
4076.0	-54.13	7.0	8.6	-52.53	-25	27.53	H
5870.8	-52.17	8.4	10.2	-50.37	-25	25.37	V
7786.4	-51.54	9.9	11.8	-49.64	-25	24.64	H
10381.6	-44.81	11.6	12.3	-44.11	-25	19.11	H
13310.0	-44.43	13.6	12.3	-45.73	-25	20.73	V
16691.0	-37.67	15.1	12.3	-40.47	-25	15.47	H

RSE-LTE38-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3418.0	-53.35	6.3	7.8	-51.85	-25	26.85	V
4791.6	-52.61	7.6	9.0	-51.21	-25	26.21	H
6412.0	-52.95	8.9	10.6	-51.25	-25	26.25	H
8354.8	-53.15	10.1	12.4	-50.85	-25	25.85	V
10472.4	-46.52	11.6	12.3	-45.82	-25	20.82	H
12832.6	-45.5	12.5	12.3	-45.7	-25	20.70	H

RSE-LTE41-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
4215.6	-54.44	7.0	8.9	-52.54	-25	27.54	H
5540.4	-52.73	8.2	9.8	-51.13	-25	26.13	H
7305.2	-53.04	9.6	11.4	-51.24	-25	26.24	V
9604.0	-51.17	10.8	12.7	-49.27	-25	24.27	H
12325.8	-46.53	12.7	12.3	-46.93	-25	21.93	H
15902.8	-38.02	15.0	12.3	-40.72	-25	15.72	H

RSE-LTE41-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
4161.6	-55.42	7.0	8.9	-53.52	-25	28.52	H
5424.4	-52.6	8.1	9.8	-50.9	-25	25.90	H
7774.8	-52.2	9.8	11.8	-50.2	-25	25.20	H
10373.2	-45.95	11.6	12.3	-45.25	-25	20.25	H
13354.8	-43.88	13.7	12.3	-45.28	-25	20.28	H
17006.0	-35.8	16.0	12.3	-39.5	-25	14.50	H

RSE-LTE41-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
4646.8	-53.57	7.5	9.0	-52.07	-25	27.07	H
5879.2	-53.78	8.5	10.2	-52.08	-25	27.08	H
7957.2	-51.98	9.8	12.2	-49.58	-25	24.58	V
10607.6	-45.4	11.6	12.3	-44.7	-25	19.70	H
13861.6	-44.72	13.5	12.3	-45.92	-25	20.92	V
16887.0	-36.12	16.3	12.3	-40.12	-25	15.12	H

RSE-LTE41-L-2502.5MHZ(Note 1)

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
4215.6	-54.44	7.0	8.9	-52.54	-25	27.54	H
5540.4	-52.73	8.2	9.8	-51.13	-25	26.13	H
7305.2	-53.04	9.6	11.4	-51.24	-25	26.24	V
9604.0	-51.17	10.8	12.7	-49.27	-25	24.27	H
12325.8	-46.53	12.7	12.3	-46.93	-25	21.93	H
15902.8	-38.02	15.0	12.3	-40.72	-25	15.72	H

RSE-LTE66-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3484.4	-51.74	6.4	7.8	-50.34	-13	37.34	H
5132.4	-47.9	7.9	9.4	-46.4	-13	33.40	V
6787.2	-54.08	9.2	10.9	-52.38	-13	39.38	V
8554.4	-48.65	10.3	12.6	-46.35	-13	33.35	V
11677.6	-46.19	12.4	12.3	-46.29	-13	33.29	V
16462.8	-36.99	14.6	12.3	-39.29	-13	26.29	H

RSE-LTE66-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3506.4	-51.77	6.4	7.8	-50.37	-13	37.37	V
4209.6	-55.39	7.0	8.9	-53.49	-13	40.49	H
5235.2	-52.02	8.0	9.4	-50.62	-13	37.62	V
6682.4	-54.31	9.1	10.9	-52.51	-13	39.51	V
8724.8	-49.59	10.4	12.7	-47.29	-13	34.29	H
12334.2	-45.64	12.7	12.3	-46.04	-13	33.04	H

RSE-LTE66-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
3512.0	-52.75	6.4	7.8	-51.35	-13	38.35	H
4870.4	-53.29	7.6	9.0	-51.89	-13	38.89	H
6742.4	-53.29	9.2	10.9	-51.59	-13	38.59	H
8899.2	-47.82	10.4	12.6	-45.62	-13	32.62	V
11810.6	-46.16	12.5	12.3	-46.36	-13	33.36	H
15284.0	-39.17	14.4	12.3	-41.27	-13	28.27	H

RSE-LTE71-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1996.5	-44.2	4.8	4.5	-44.5	-13	31.50	V
2894.2	-41.51	5.8	6.7	-40.61	-13	27.61	V
4049.2	-54.72	6.9	8.6	-53.02	-13	40.02	H
5097.2	-50.84	7.9	9.6	-49.14	-13	36.14	H
6468.4	-53.03	8.9	10.6	-51.33	-13	38.33	H
8022.7	-53.15	9.9	12.2	-50.85	-13	37.85	V

RSE-LTE71-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1419.2	-54.27	4.0	5.3	-52.97	-13	39.97	H
2041.5	-40.81	4.8	4.5	-41.11	-13	28.11	V
2879.2	-42.16	5.8	6.7	-41.26	-13	28.26	V
3641.6	-52.19	6.6	7.9	-50.89	-13	37.89	H
4860.0	-52.57	7.6	9.0	-51.17	-13	38.17	H
6081.6	-51.86	8.7	10.2	-50.36	-13	37.36	H

RSE-LTE71-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Test Result (dBm)	Limit(dBm)	Margin(dBm)	Polarization
1392.2	-54.39	4.0	5.3	-53.09	-13	40.09	H
2086.2	-42	4.9	4.5	-42.4	-13	29.40	V
2782.7	-42.32	5.7	6.1	-41.92	-13	28.92	H
3478.4	-55.75	6.4	7.8	-54.35	-13	41.35	H
4176.8	-56.18	7.0	8.9	-54.28	-13	41.28	H
4868.8	-52.98	7.6	9.0	-51.58	-13	38.58	V

Note 1: This frequency range is only applicable for IC certification.

6.3 Frequency Stability

6.3.1 Measurement Limit

FCC §2.1055 The frequency stability shall be measured with variation of ambient temperature as follows:

- (1) From -30° to $+50^{\circ}$ centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.
- (2) From -20° to $+50^{\circ}$ centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

FCC §24.235 Frequency stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC §22.355 Frequency tolerance. Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

FCC §27.54 The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

RSS-133 5.4, RSS-132 5.3 RSS-139 5.4, RSS 130 4.5, RSS-199 5.4 The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

6.3.2 Method of Measurement

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C .
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on middle channel for LTE band 7. Measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to $+50^{\circ}\text{C}$. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1V increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at $+50^{\circ}\text{C}$.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10°C decrements from $+50^{\circ}\text{C}$ to -30°C . Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to $\pm 0.5^{\circ}\text{C}$ during the measurement procedure.

6.3.3 Test Setup



6.3.4 Measurement results

Temperature	Voltage	Band	Band Width (MHz)	Rb Mode	QPSK (Hz)	16QAM (Hz)	64QAM (Hz)	QPSK (ppm)	16QAM (ppm)	64QAM (ppm)
Normal	Low	FDD02	1.4	fullRB	-12.66	10.729	13.747	-0.007	0.006	0.007
Normal	Normal	FDD02	1.4	fullRB	-4.621	16.294	13.576	-0.002	0.009	0.007
Normal	High	FDD02	1.4	fullRB	-3.719	9.971	14.877	-0.002	0.005	0.008
50	Normal	FDD02	1.4	fullRB	8.183	-10.786	11.973	0.004	-0.006	0.006
40	Normal	FDD02	1.4	fullRB	-10.071	12.746	17.81	-0.005	0.007	0.009
30	Normal	FDD02	1.4	fullRB	-11.344	13.89	-11.544	-0.006	0.007	-0.006
20	Normal	FDD02	1.4	fullRB	-9.856	11.044	-8.74	-0.005	0.006	-0.005
10	Normal	FDD02	1.4	fullRB	-6.838	13.146	-8.798	-0.004	0.007	-0.005
0	Normal	FDD02	1.4	fullRB	7.253	17.395	10.743	0.004	0.009	0.006
-10	Normal	FDD02	1.4	fullRB	-7.825	13.146	-11.258	-0.004	0.007	-0.006
-20	Normal	FDD02	1.4	fullRB	-7.396	10.757	14.219	-0.004	0.006	0.008
-30	Normal	FDD02	1.4	fullRB	-20.514	14.405	14.276	-0.011	0.008	0.008
Normal	Low	FDD04	1.4	fullRB	4.635	-21.257	-20.227	0.003	-0.012	-0.012
Normal	Normal	FDD04	1.4	fullRB	-9.699	-21.443	7.825	-0.006	-0.012	0.005
Normal	High	FDD04	1.4	fullRB	6.838	-22.058	-19.813	0.004	-0.013	-0.011
50	Normal	FDD04	1.4	fullRB	-6.552	-20.671	-21.386	-0.004	-0.012	-0.012
40	Normal	FDD04	1.4	fullRB	8.125	-10.557	-23.131	0.005	-0.006	-0.013
30	Normal	FDD04	1.4	fullRB	-10.071	-19.469	-18.969	-0.006	-0.011	-0.011
20	Normal	FDD04	1.4	fullRB	10.4	-18.082	-21.086	0.006	-0.01	-0.012

10	Normal	FDD04	1.4	fullRB	-14.462	-11.616	-19.398	-0.008	-0.007	-0.011
0	Normal	FDD04	1.4	fullRB	-7.911	-19.469	-9.37	-0.005	-0.011	-0.005
-10	Normal	FDD04	1.4	fullRB	8.297	13.247	-25.864	0.005	0.008	-0.015
-20	Normal	FDD04	1.4	fullRB	-8.64	-13.218	-20.986	-0.005	-0.008	-0.012
-30	Normal	FDD04	1.4	fullRB	7.439	-31.071	-11.015	0.004	-0.018	-0.006
Normal	Low	FDD05	1.4	fullRB	-7.453	-18.482	-18.282	-0.009	-0.022	-0.022
Normal	Normal	FDD05	1.4	fullRB	-9.37	-20.728	-20.342	-0.011	-0.025	-0.024
Normal	High	FDD05	1.4	fullRB	-6.566	-15.292	-10.228	-0.008	-0.018	-0.012
50	Normal	FDD05	1.4	fullRB	-8.812	-16.265	-21.601	-0.011	-0.019	-0.026
40	Normal	FDD05	1.4	fullRB	-1.774	-19.655	-19.67	-0.002	-0.023	-0.024
30	Normal	FDD05	1.4	fullRB	-10.815	-20.828	-19.555	-0.013	-0.025	-0.023
20	Normal	FDD05	1.4	fullRB	-10.972	-18.826	-21.458	-0.013	-0.023	-0.026
10	Normal	FDD05	1.4	fullRB	-3.433	-14.291	-21.243	-0.004	-0.017	-0.025
0	Normal	FDD05	1.4	fullRB	-7.095	-14.663	-19.512	-0.008	-0.018	-0.023
-10	Normal	FDD05	1.4	fullRB	-6.38	-17.581	-19.541	-0.008	-0.021	-0.023
-20	Normal	FDD05	1.4	fullRB	-4.907	-23.632	-17.681	-0.006	-0.028	-0.021
-30	Normal	FDD05	1.4	fullRB	-3.004	-24.691	-18.797	-0.004	-0.03	-0.022
Normal	Low	FDD07	5	fullRB	12.646	-10.772	17.352	0.005	-0.004	0.007
Normal	Normal	FDD07	5	fullRB	-10.943	20.771	13.304	-0.004	0.008	0.005
Normal	High	FDD07	5	fullRB	-12.202	17.853	14.62	-0.005	0.007	0.006
50	Normal	FDD07	5	fullRB	-14.348	18.597	16.208	-0.006	0.007	0.006
40	Normal	FDD07	5	fullRB	-18.454	21.701	21.214	-0.007	0.009	0.008
30	Normal	FDD07	5	fullRB	-11.873	18.411	15.95	-0.005	0.007	0.006
20	Normal	FDD07	5	fullRB	-13.876	14.534	-7.639	-0.005	0.006	-0.003
10	Normal	FDD07	5	fullRB	-19.727	18.439	-17.71	-0.008	0.007	-0.007
0	Normal	FDD07	5	fullRB	-18.868	-17.352	25.921	-0.007	-0.007	0.01
-10	Normal	FDD07	5	fullRB	-12.946	22.445	-9.856	-0.005	0.009	-0.004
-20	Normal	FDD07	5	fullRB	-12.703	20.8	16.766	-0.005	0.008	0.007
-30	Normal	FDD07	5	fullRB	-18.196	18.339	19.884	-0.007	0.007	0.008
Normal	Low	FDD12	1.4	fullRB	-2.632	-13.504	-19.14	-0.004	-0.019	-0.027

Normal	Normal	FDD12	1.4	fullRB	-8.626	-12.259	-22.674	-0.012	-0.017	-0.032
Normal	High	FDD12	1.4	fullRB	-8.798	-15.292	-17.352	-0.012	-0.022	-0.025
50	Normal	FDD12	1.4	fullRB	-11.129	-15.779	-20.013	-0.016	-0.022	-0.028
40	Normal	FDD12	1.4	fullRB	-9.284	-17.753	-19.813	-0.013	-0.025	-0.028
30	Normal	FDD12	1.4	fullRB	-2.089	-19.97	-16.136	-0.003	-0.028	-0.023
20	Normal	FDD12	1.4	fullRB	-7.782	-19.383	-15.707	-0.011	-0.027	-0.022
10	Normal	FDD12	1.4	fullRB	-8.326	-21.629	-21.358	-0.012	-0.031	-0.03
0	Normal	FDD12	1.4	fullRB	-5.736	-17.881	-19.398	-0.008	-0.025	-0.027
-10	Normal	FDD12	1.4	fullRB	-10.014	-19.026	-15.478	-0.014	-0.027	-0.022
-20	Normal	FDD12	1.4	fullRB	-5.894	-17.323	-17.481	-0.008	-0.024	-0.025
-30	Normal	FDD12	1.4	fullRB	-6.995	-17.982	-21.572	-0.01	-0.025	-0.03
Normal	Low	FDD13	5	fullRB	3.102	-8.888	-11.252	0.004	-0.011	-0.014
Normal	Normal	FDD13	5	fullRB	-7.348	11.1	-7.787	-0.009	0.014	-0.01
Normal	High	FDD13	5	fullRB	-7.056	13.588	-11.293	-0.009	0.017	-0.014
50	Normal	FDD13	5	fullRB	-5.878	10.789	-14.701	-0.008	0.014	-0.019
40	Normal	FDD13	5	fullRB	-3.464	13.487	-10.444	-0.004	0.017	-0.013
30	Normal	FDD13	5	fullRB	-6.342	10.825	-10.628	-0.008	0.014	-0.014
20	Normal	FDD13	5	fullRB	-3.542	9.691	-13.79	-0.005	0.012	-0.018
10	Normal	FDD13	5	fullRB	-3.349	8.192	-11.622	-0.004	0.01	-0.015
0	Normal	FDD13	5	fullRB	-7.511	11.13	-12.032	-0.01	0.014	-0.015
-10	Normal	FDD13	5	fullRB	-4.82	14.077	-13.029	-0.006	0.018	-0.017
-20	Normal	FDD13	5	fullRB	-4.044	11.889	-11.484	-0.005	0.015	-0.015
-30	Normal	FDD13	5	fullRB	-2.212	11.106	-11.978	-0.003	0.014	-0.015
Normal	Low	FDD17	5	fullRB	-8.115	10.697	-11.626	-0.011	0.015	-0.016
Normal	Normal	FDD17	5	fullRB	-7.174	8.991	-7.994	-0.01	0.013	-0.011
Normal	High	FDD17	5	fullRB	-4.236	8.528	-10.576	-0.006	0.012	-0.015
50	Normal	FDD17	5	fullRB	-4.769	10.519	-12.289	-0.007	0.015	-0.017
40	Normal	FDD17	5	fullRB	-5.942	12.094	-11.437	-0.008	0.017	-0.016
30	Normal	FDD17	5	fullRB	-3.722	-8.272	-13.348	-0.005	-0.012	-0.019
20	Normal	FDD17	5	fullRB	4.396	11.457	-13.946	0.006	0.016	-0.02

10	Normal	FDD17	5	fullRB	-6.26	7.289	-9.052	-0.009	0.01	-0.013
0	Normal	FDD17	5	fullRB	-3.991	-8.837	-15.784	-0.006	-0.012	-0.022
-10	Normal	FDD17	5	fullRB	-3.767	-8.28	-11.155	-0.005	-0.012	-0.016
-20	Normal	FDD17	5	fullRB	-1.81	9.022	-14.087	-0.003	0.013	-0.02
-30	Normal	FDD17	5	fullRB	-6.988	8.505	-10.504	-0.01	0.012	-0.015
Normal	Low	FDD25	5	fullRB	-5.367	-10.379	-11.672	-0.003	-0.006	-0.006
Normal	Normal	FDD25	5	fullRB	-10.117	-13.067	-13.55	-0.005	-0.007	-0.007
Normal	High	FDD25	5	fullRB	-14.364	-12.259	7.943	-0.008	-0.007	0.004
50	Normal	FDD25	5	fullRB	-7.203	17.948	10.338	-0.004	0.01	0.005
40	Normal	FDD25	5	fullRB	11.126	12.527	-16.361	0.006	0.007	-0.009
30	Normal	FDD25	5	fullRB	-3.494	-11.907	11.692	-0.002	-0.006	0.006
20	Normal	FDD25	5	fullRB	-8.586	-13.095	-18.401	-0.005	-0.007	-0.01
10	Normal	FDD25	5	fullRB	-11.376	11.582	-11.207	-0.006	0.006	-0.006
0	Normal	FDD25	5	fullRB	-7.029	-12.975	-8.93	-0.004	-0.007	-0.005
-10	Normal	FDD25	5	fullRB	-5.127	15.923	-10.578	-0.003	0.008	-0.006
-20	Normal	FDD25	5	fullRB	5.384	-8.843	-9.69	0.003	-0.005	-0.005
-30	Normal	FDD25	5	fullRB	6.988	16.637	-8.922	0.004	0.009	-0.005
Normal	Low	FDD26 (PART 22)	5	fullRB	-6.033	10.161	-11.52	-0.007	0.012	-0.014
Normal	Normal	FDD26 (PART 22)	5	fullRB	-3.236	10.566	-10.087	-0.004	0.013	-0.012
Normal	High	FDD26 (PART 22)	5	fullRB	-6.854	9.523	-13.655	-0.008	0.011	-0.016
50	Normal	FDD26 (PART 22)	5	fullRB	-8.638	9.219	-11.259	-0.01	0.011	-0.013
40	Normal	FDD26 (PART 22)	5	fullRB	3.11	9.983	-12.012	0.004	0.012	-0.014
30	Normal	FDD26 (PART 22)	5	fullRB	-4.174	11.22	8.547	-0.005	0.013	0.01
20	Normal	FDD26 (PART 22)	5	fullRB	-3.544	12.41	-13.427	-0.004	0.015	-0.016
10	Normal	FDD26 (PART 22)	5	fullRB	-3.584	8.982	-9.883	-0.004	0.011	-0.012
0	Normal	FDD26 (PART 22)	5	fullRB	-7.424	-7.348	-8.867	-0.009	-0.009	-0.011
-10	Normal	FDD26 (PART 22)	5	fullRB	-5.891	-10.011	-15.336	-0.007	-0.012	-0.018
-20	Normal	FDD26 (PART 22)	5	fullRB	-8.681	13.12	-11.552	-0.01	0.016	-0.014
-30	Normal	FDD26 (PART 22)	5	fullRB	-6.437	-10.038	-10.919	-0.008	-0.012	-0.013
Normal	Low	TDD38	5	fullRB	-26.851	-35.076	-14.62	-0.01	-0.014	-0.006

Normal	Normal	TDD38	5	fullRB	-11.258	-13.103	-23.317	-0.004	-0.005	-0.009
Normal	High	TDD38	5	fullRB	-26.207	-25.206	-16.079	-0.01	-0.01	-0.006
50	Normal	TDD38	5	fullRB	-15.121	-13.461	-23.131	-0.006	-0.005	-0.009
40	Normal	TDD38	5	fullRB	-15.65	-31.242	-25.792	0.006	-0.012	-0.01
30	Normal	TDD38	5	fullRB	-17.281	-24.791	-27.394	-0.007	-0.01	-0.011
20	Normal	TDD38	5	fullRB	-15.65	-13.018	-28.052	-0.006	-0.005	-0.011
10	Normal	TDD38	5	fullRB	-19.097	-30.169	-26.25	-0.007	-0.012	-0.01
0	Normal	TDD38	5	fullRB	-17.71	-25.592	-30.642	-0.007	-0.01	-0.012
-10	Normal	TDD38	5	fullRB	-19.026	-17.381	-21.729	-0.007	-0.007	-0.008
-20	Normal	TDD38	5	fullRB	-17.61	-17.61	-27.308	-0.007	-0.007	-0.011
-30	Normal	TDD38	5	fullRB	-16.994	-21.701	-29.354	-0.007	-0.008	-0.011
Normal	Low	TDD41	5	fullRB	-24.633	-20.843	-21.801	-0.009	-0.008	-0.008
Normal	Normal	TDD41	5	fullRB	-16.093	-9.599	-19.269	-0.006	-0.004	-0.007
Normal	High	TDD41	5	fullRB	-19.77	-17.624	-20.385	-0.008	-0.007	-0.008
50	Normal	TDD41	5	fullRB	-16.637	-13.604	9.685	-0.006	-0.005	0.004
40	Normal	TDD41	5	fullRB	-21.586	-24.791	-20.313	-0.008	-0.01	-0.008
30	Normal	TDD41	5	fullRB	10.657	-20.785	-23.26	0.004	-0.008	-0.009
20	Normal	TDD41	5	fullRB	-15.364	-12.774	-16.623	-0.006	-0.005	-0.006
10	Normal	TDD41	5	fullRB	-12.503	8.569	-13.318	-0.005	0.003	-0.005
0	Normal	TDD41	5	fullRB	-22.316	-7.896	-16.408	-0.009	-0.003	-0.006
-10	Normal	TDD41	5	fullRB	-17.667	-11.845	-22.044	-0.007	-0.005	-0.009
-20	Normal	TDD41	5	fullRB	-12.074	-14.992	-15.264	-0.005	-0.006	-0.006
-30	Normal	TDD41	5	fullRB	-24.576	-26.364	-20.714	-0.009	-0.01	-0.008
Normal	Low	FDD66	5	fullRB	-6.928	10.661	14.954	-0.004	0.006	0.009
Normal	Normal	FDD66	5	fullRB	-7.906	9.542	-10.7	-0.005	0.005	-0.006
Normal	High	FDD66	5	fullRB	-8.199	-12.315	-13.773	-0.005	-0.007	-0.008
50	Normal	FDD66	5	fullRB	-10.999	18.547	-20.864	-0.006	0.011	-0.012
40	Normal	FDD66	5	fullRB	9.724	13.572	13.094	0.006	0.008	0.008
30	Normal	FDD66	5	fullRB	-10.005	13.955	-13.583	-0.006	0.008	-0.008
20	Normal	FDD66	5	fullRB	12.055	17.731	-17.298	0.007	0.01	-0.01

10	Normal	FDD66	5	fullRB	-10.836	18.379	-16.166	-0.006	0.011	-0.009
0	Normal	FDD66	5	fullRB	-12.123	16.809	-13.849	-0.007	0.01	-0.008
-10	Normal	FDD66	5	fullRB	8.157	13.716	-15.873	0.005	0.008	-0.009
-20	Normal	FDD66	5	fullRB	-13.381	19.755	-19.713	-0.008	0.011	-0.011
-30	Normal	FDD66	5	fullRB	5.942	-8.603	-18.626	0.003	-0.005	-0.011
Normal	Low	FDD71	5	fullRB	-4.163	-5.975	-9.207	-0.006	-0.009	-0.014
Normal	Normal	FDD71	5	fullRB	2.358	7.146	-9.235	0.003	0.011	-0.014
Normal	High	FDD71	5	fullRB	-1.821	6.622	-5.143	-0.003	0.01	-0.008
50	Normal	FDD71	5	fullRB	-5.318	8.798	-8.528	-0.008	0.013	-0.013
40	Normal	FDD71	5	fullRB	-4.32	8.87	-10.316	-0.006	0.013	-0.015
30	Normal	FDD71	5	fullRB	-6.028	8.813	-7.474	-0.009	0.013	-0.011
20	Normal	FDD71	5	fullRB	-3.893	-7.529	-7.121	-0.006	-0.011	-0.01
10	Normal	FDD71	5	fullRB	-9.069	9.925	-10.523	-0.013	0.015	-0.015
0	Normal	FDD71	5	fullRB	-6.001	-3.083	-7.693	-0.009	-0.005	-0.011
-10	Normal	FDD71	5	fullRB	-7.578	6.053	-9.686	-0.011	0.009	-0.014
-20	Normal	FDD71	5	fullRB	-6.008	3.21	-11.418	-0.009	0.005	-0.017
-30	Normal	FDD71	5	fullRB	-6.408	-7.386	-10.13	-0.009	-0.011	-0.015

6.4 Occupied Bandwidth

6.4.1 Summary

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated.

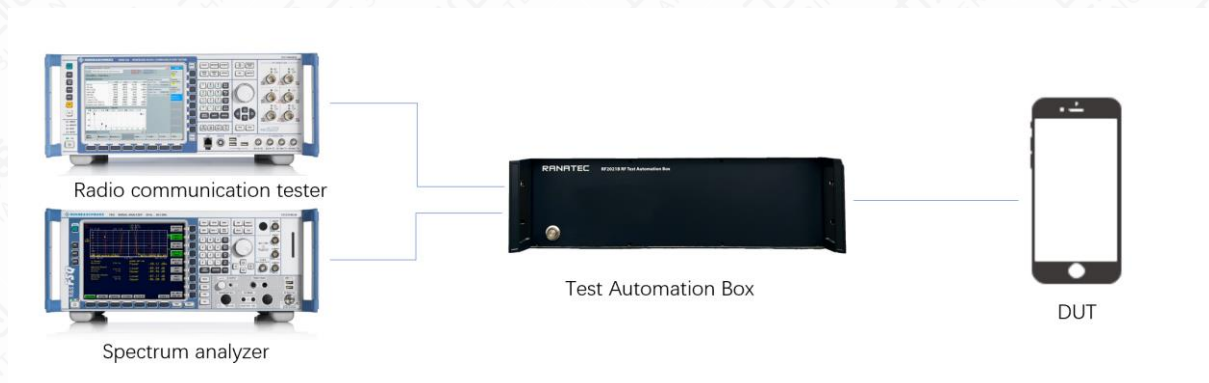
6.4.2 Method of Measurement

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of the US Cellular/PCS frequency bands. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

The measurement method is from KDB 9711684:

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- Set the detection mode to peak, and the trace mode to max hold.
- Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

6.4.3 Test Setup



6.4.4 Measurement Results

Band	Range	BandWidth	Frequency(MHz)	QPSK(MHz)	16QAM(MHz)	64QAM(MHz)
FDD02	MidRange	1.4	1880	1.08	1.09	1.10
FDD02	MidRange	3	1880	2.69	2.69	2.68
FDD02	MidRange	5	1880	4.47	4.50	4.47
FDD02	MidRange	10	1880	8.94	8.94	8.94
FDD02	MidRange	15	1880	13.41	13.41	13.41
FDD02	MidRange	20	1880	17.79	17.79	17.79
FDD04	MidRange	1.4	1732.5	1.10	1.09	1.09
FDD04	MidRange	3	1732.5	2.69	2.68	2.69
FDD04	MidRange	5	1732.5	4.47	4.47	4.50
FDD04	MidRange	10	1732.5	8.94	8.94	8.94
FDD04	MidRange	15	1732.5	13.41	13.49	13.49
FDD04	MidRange	20	1732.5	17.79	17.98	17.98
FDD05	MidRange	1.4	836.5	1.09	1.09	1.09
FDD05	MidRange	3	836.5	2.68	2.68	2.69
FDD05	MidRange	5	836.5	4.47	4.50	4.50
FDD05	MidRange	10	836.5	8.99	8.94	8.94
FDD07	MidRange	5	2535	4.47	4.47	4.47
FDD07	MidRange	10	2535	8.94	8.94	8.94
FDD07	MidRange	15	2535	13.49	13.41	13.49
FDD07	MidRange	20	2535	17.89	17.89	17.89
FDD12	MidRange	1.4	707.5	1.10	1.09	1.09
FDD12	MidRange	3	707.5	2.69	2.69	2.69
FDD12	MidRange	5	707.5	4.50	4.50	4.47
FDD12	MidRange	10	707.5	8.94	8.94	8.94
FDD13	MidRange	5	782	4.47	4.47	4.50
FDD13	MidRange	10	782	8.94	8.94	8.94
FDD17	MidRange	5	710	4.47	4.47	4.47
FDD17	MidRange	10	710	8.94	8.94	8.94

FDD25	MidRange	1.4	1882.5	1.09	1.10	1.10
FDD25	MidRange	3	1882.5	2.69	2.69	2.68
FDD25	MidRange	5	1882.5	4.50	4.50	4.50
FDD25	MidRange	10	1882.5	8.94	8.94	8.94
FDD25	MidRange	15	1882.5	13.41	13.49	13.41
FDD25	MidRange	20	1882.5	17.79	17.79	17.89
FDD26 (PART 22)	MidRange	1.4	836.5	1.09	1.09	1.09
FDD26 (PART 22)	MidRange	3	836.5	2.68	2.69	2.69
FDD26 (PART 22)	MidRange	5	836.5	4.47	4.47	4.47
FDD26 (PART 22)	MidRange	10	836.5	8.94	8.94	8.99
FDD26 (PART 22)	MidRange	15	836.5	13.34	13.34	13.34
TDD38	MidRange	5	2595	4.47	4.47	4.50
TDD38	MidRange	10	2595	8.94	8.94	8.94
TDD38	MidRange	15	2595	13.49	13.49	13.49
TDD38	MidRange	20	2595	17.79	17.98	17.98
TDD41	MidRange	5	2593	4.47	4.47	4.47
TDD41	MidRange	10	2593	8.94	8.94	8.99
TDD41	MidRange	15	2593	13.41	13.41	13.49
TDD41	MidRange	20	2593	17.79	17.89	17.98
FDD66	MidRange	1.4	1745	1.09	1.09	1.09
FDD66	MidRange	3	1745	2.68	2.69	2.69
FDD66	MidRange	5	1745	4.50	4.47	4.47
FDD66	MidRange	10	1745	8.99	8.94	8.94
FDD66	MidRange	15	1745	13.49	13.49	13.49
FDD66	MidRange	20	1745	17.98	17.98	17.89
FDD71	MidRange	5	680.5	4.50	4.47	4.47
FDD71	MidRange	10	680.5	8.99	8.99	8.99
FDD71	MidRange	15	680.5	13.49	13.49	13.41
FDD71	MidRange	20	683	17.89	17.98	17.79

