

LTE CAT-M Band 13 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1553.125	Vertical	-58.38	-13	-45.38
1555.25	Horizontal	-58.62	-13	-45.62
2332.25	Vertical	-54.13	-13	-41.13
2332.25	Horizontal	-54.27	-13	-41.27

LTE CAT-M Band 13 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1557.375	Vertical	-57.24	-13	-44.24
1557.375	Horizontal	-57.48	-13	-44.48
2332.25	Vertical	-53.96	-13	-40.96
2332.25	Horizontal	-53.71	-13	-40.71

LTE CAT-M Band 13 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1565.25	Vertical	-57.727	-13	-44.727
1565.25	Horizontal	-57.717	-13	-44.717
2347.25	Vertical	-54.604	-13	-41.604
2347.25	Horizontal	-54.476	-13	-41.476

LTE CAT-M Band 13 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1563.125	Vertical	-58.726	-13	-45.726
1567.375	Horizontal	-58.451	-13	-45.451
2347.25	Vertical	-53.951	-13	-40.951
2347.25	Horizontal	-53.823	-13	-40.823

LTE CAT-M Band 13 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1573.125	Vertical	-58.26	-13	-45.26
1575.25	Horizontal	-58.59	-13	-45.59
2362.25	Vertical	-54.15	-13	-41.15
2362.25	Horizontal	-54.19	-13	-41.19

LTE CAT-M Band 13 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1577.375	Vertical	-57.12	-13	-44.12
1577.375	Horizontal	-57.45	-13	-44.45
2362.25	Vertical	-53.98	-13	-40.98
2362.25	Horizontal	-53.63	-13	-40.63

LTE CAT-M Band 25 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3699.625	Vertical	-54.25	-13	-41.25
3699.625	Horizontal	-54.33	-13	-41.33
5522.88	Vertical	-52.62	-13	-39.62
5522.88	Horizontal	-51.55	-13	-38.55

LTE CAT-M Band 25 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3699.625	Vertical	-54.47	-13	-41.47
3699.625	Horizontal	-54.04	-13	-41.04
5520.75	Vertical	-51.36	-13	-38.36
5520.75	Horizontal	-51.22	-13	-38.22

LTE CAT-M Band 25 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3699.625	Vertical	-54.47	-13	-41.47
3699.625	Horizontal	-54.04	-13	-41.04
5522.88	Vertical	-54.1	-13	-41.1
5522.88	Horizontal	-53.65	-13	-40.65

LTE CAT-M Band 25 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3699.625	Vertical	-51.66	-13	-38.66
3699.625	Horizontal	-51.94	-13	-38.94
5522.88	Vertical	-51.82	-13	-38.82
5518.63	Horizontal	-52.44	-13	-39.44

LTE CAT-M Band 25 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3710.25	Vertical	-51.41	-13	-38.41
3708.125	Horizontal	-52.63	-13	-39.63
5529.25	Vertical	-52.63	-13	-39.63
5529.25	Horizontal	-51.81	-13	-38.81

LTE CAT-M Band 25 Bandwidth 20 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3706	Vertical	-52.54	-13	-39.54
3697.5	Horizontal	-52.12	-13	-39.12
5522.88	Vertical	-53.21	-13	-40.21
5518.63	Horizontal	-52.76	-13	-39.76

LTE CAT-M Band 25 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3764.625	Vertical	-53.538	-13	-40.538
3764.625	Horizontal	-53.519	-13	-40.519
5647.375	Vertical	-54.825	-13	-41.825
5647.375	Horizontal	-53.851	-13	-40.851

LTE CAT-M Band 25 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3762.5	Vertical	-51.882	-13	-38.882
3764.625	Horizontal	-52.986	-13	-39.986
5647.375	Vertical	-54.01	-13	-41.01
5647.375	Horizontal	-53.984	-13	-40.984

LTE CAT-M Band 25 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3766.75	Vertical	-53.027	-13	-40.027
3766.75	Horizontal	-53.278	-13	-40.278
5645.25	Vertical	-54.018	-13	-41.018
5649.5	Horizontal	-54.704	-13	-41.704

LTE CAT-M Band 25 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3762.5	Vertical	-52.959	-13	-39.959
3766.75	Horizontal	-52.533	-13	-39.533
5647.375	Vertical	-53.943	-13	-40.943
5647.375	Horizontal	-54.665	-13	-41.665

LTE CAT-M Band 25 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3760.375	Vertical	-52.656	-13	-39.656
3760.375	Horizontal	-52.639	-13	-39.639
5643.125	Vertical	-53.587	-13	-40.587
5647.375	Horizontal	-53.209	-13	-40.209

LTE CAT-M Band 25 Bandwidth 20 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3751.875	Vertical	-52.518	-13	-39.518
3771	Horizontal	-52.846	-13	-39.846
5672.875	Vertical	-53.454	-13	-40.454
5672.875	Horizontal	-52.737	-13	-39.737

LTE CAT-M Band 25 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3829.625	Vertical	-54.13	-13	-41.13
3829.625	Horizontal	-54.3	-13	-41.3
5717.875	Vertical	-52.64	-13	-39.64
5717.875	Horizontal	-51.47	-13	-38.47

LTE CAT-M Band 25 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3829.625	Vertical	-54.35	-13	-41.35
3829.625	Horizontal	-54.01	-13	-41.01
5715.75	Vertical	-51.38	-13	-38.38
5715.75	Horizontal	-51.14	-13	-38.14

LTE CAT-M Band 25 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3829.625	Vertical	-54.35	-13	-41.35
3829.625	Horizontal	-54.01	-13	-41.01
5717.875	Vertical	-54.12	-13	-41.12
5717.875	Horizontal	-53.57	-13	-40.57

LTE CAT-M Band 25 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3829.625	Vertical	-51.54	-13	-38.54
3829.625	Horizontal	-51.91	-13	-38.91
5717.875	Vertical	-51.84	-13	-38.84
5713.625	Horizontal	-52.36	-13	-39.36

LTE CAT-M Band 25 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3840.25	Vertical	-51.29	-13	-38.29
3838.125	Horizontal	-52.6	-13	-39.6
5724.25	Vertical	-52.65	-13	-39.65
5724.25	Horizontal	-51.73	-13	-38.73

LTE CAT-M Band 25 Bandwidth 20 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3836	Vertical	-52.42	-13	-39.42
3827.5	Horizontal	-52.09	-13	-39.09
5717.875	Vertical	-53.23	-13	-40.23
5713.625	Horizontal	-52.68	-13	-39.68

LTE CAT-M Band 26 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-56.8	-13	-43.8
1663	Horizontal	-57.11	-13	-44.11
2493.875	Vertical	-54.76	-13	-41.76
2493.875	Horizontal	-52.92	-13	-39.92

LTE CAT-M Band 26 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-56.18	-13	-43.18
1663	Horizontal	-56.5	-13	-43.5
2493.875	Vertical	-54.51	-13	-41.51
2493.875	Horizontal	-53.07	-13	-40.07

LTE CAT-M Band 26 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-56.45	-13	-43.45
1660.875	Horizontal	-56.89	-13	-43.89
2496	Vertical	-54.56	-13	-41.56
2493.875	Horizontal	-54.07	-13	-41.07

LTE CAT-M Band 26 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1667.25	Vertical	-57.11	-13	-44.11
1667.25	Horizontal	-57.55	-13	-44.55
2491.75	Vertical	-53.76	-13	-40.76
2491.75	Horizontal	-53.64	-13	-40.64

LTE CAT-M Band 26 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-55.8	-13	-42.8
1663	Horizontal	-56.12	-13	-43.12
2493.875	Vertical	-54.06	-13	-41.06
2489.625	Horizontal	-54.06	-13	-41.06

LTE CAT-M Band 26 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-58.489	-13	-45.489
1663	Horizontal	-56.924	-13	-43.924
2493.875	Vertical	-54.898	-13	-41.898
2493.875	Horizontal	-54.974	-13	-41.974

LTE CAT-M Band 26 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-57.008	-13	-44.008
1663	Horizontal	-57.024	-13	-44.024
2493.875	Vertical	-54.661	-13	-41.661
2493.875	Horizontal	-54.197	-13	-41.197

LTE CAT-M Band 26 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-58.33	-13	-45.33
1663	Horizontal	-58.216	-13	-45.216
2493.875	Vertical	-55.456	-13	-42.456
2493.875	Horizontal	-55.004	-13	-42.004

LTE CAT-M Band 26 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1663	Vertical	-57.254	-13	-44.254
1663	Horizontal	-57.163	-13	-44.163
2489.625	Vertical	-54.859	-13	-41.859
2491.75	Horizontal	-54.501	-13	-41.501

LTE CAT-M Band 26 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1656.625	Vertical	-57.698	-13	-44.698
1669.375	Horizontal	-57.887	-13	-44.887
2487.5	Vertical	-53.819	-13	-40.819
2491.75	Horizontal	-53.937	-13	-40.937

LTE CAT-M Band 26 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1698	Vertical	-56.82	-13	-43.82
1698	Horizontal	-57.22	-13	-44.22
2546.375	Vertical	-54.92	-13	-41.92
2546.375	Horizontal	-52.98	-13	-39.98

LTE CAT-M Band 26 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1698	Vertical	-56.2	-13	-43.2
1698	Horizontal	-56.61	-13	-43.61
2546.375	Vertical	-54.67	-13	-41.67
2546.375	Horizontal	-53.13	-13	-40.13

LTE CAT-M Band 26 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1698	Vertical	-56.47	-13	-43.47
1695.875	Horizontal	-57	-13	-44
2548.5	Vertical	-54.72	-13	-41.72
2546.375	Horizontal	-54.13	-13	-41.13

LTE CAT-M Band 26 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1702.25	Vertical	-57.13	-13	-44.13
1702.25	Horizontal	-57.66	-13	-44.66
2544.25	Vertical	-53.92	-13	-40.92
2544.25	Horizontal	-53.7	-13	-40.7

LTE CAT-M Band 26 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1698	Vertical	-55.82	-13	-42.82
1698	Horizontal	-56.23	-13	-43.23
2546.375	Vertical	-54.22	-13	-41.22
2542.125	Horizontal	-54.12	-13	-41.12

LTE CAT-M Band 66 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3439.625	Vertical	-55.05	-13	-42.05
3439.625	Horizontal	-53.23	-13	-40.23
5159.875	Vertical	-52.97	-13	-39.97
5159.875	Horizontal	-54.53	-13	-41.53

LTE CAT-M Band 66 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3439.625	Vertical	-55.05	-13	-42.05
3439.625	Horizontal	-54.24	-13	-41.24
5159.875	Vertical	-55.36	-13	-42.36
5159.875	Horizontal	-53.83	-13	-40.83

LTE CAT-M Band 66 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3441.75	Vertical	-53.72	-13	-40.72
3441.75	Horizontal	-53.96	-13	-40.96
5157.75	Vertical	-53.92	-13	-40.92
5157.75	Horizontal	-53.8	-13	-40.8

LTE CAT-M Band 66 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3443.875	Vertical	-53.26	-13	-40.26
3443.875	Horizontal	-53.51	-13	-40.51
5155.625	Vertical	-53.48	-13	-40.48
5162	Horizontal	-52.39	-13	-39.39

LTE CAT-M Band 66 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3437.5	Vertical	-53.21	-13	-40.21
3437.5	Horizontal	-53.44	-13	-40.44
5159.875	Vertical	-54.11	-13	-41.11
5153.5	Horizontal	-52.85	-13	-39.85

LTE CAT-M Band 66 Bandwidth 20 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3446	Vertical	-53.08	-13	-40.08
3441.75	Horizontal	-53.47	-13	-40.47
5153.5	Vertical	-53.62	-13	-40.62
5155.625	Horizontal	-53.2	-13	-40.2

LTE CAT-M Band 66 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3509.625	Vertical	-55.294	-13	-42.294
3509.625	Horizontal	-54.366	-13	-41.366
5264.875	Vertical	-55.76	-13	-42.76
5264.875	Horizontal	-53.686	-13	-40.686

LTE CAT-M Band 66 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3509.625	Vertical	-54.962	-13	-41.962
3509.625	Horizontal	-55.337	-13	-42.337
5264.875	Vertical	-55.63	-13	-42.63
5264.875	Horizontal	-54.507	-13	-41.507

LTE CAT-M Band 66 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3509.625	Vertical	-53.982	-13	-40.982
3509.625	Horizontal	-54.724	-13	-41.724
5262.75	Vertical	-54.494	-13	-41.494
5267	Horizontal	-54.137	-13	-41.137

LTE CAT-M Band 66 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3507.5	Vertical	-53.409	-13	-40.409
3507.5	Horizontal	-53.344	-13	-40.344
5260.625	Vertical	-52.785	-13	-39.785
5262.75	Horizontal	-53.102	-13	-40.102

LTE CAT-M Band 66 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3507.5	Vertical	-53.963	-13	-40.963
3513.875	Horizontal	-53.413	-13	-40.413
5260.625	Vertical	-54.189	-13	-41.189
5264.875	Horizontal	-53.87	-13	-40.87

LTE CAT-M Band 66 Bandwidth 20 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3511.75	Vertical	-53.539	-13	-40.539
3511.75	Horizontal	-53.483	-13	-40.483
5260.625	Vertical	-52.904	-13	-39.904
5260.625	Horizontal	-52.907	-13	-39.907

LTE CAT-M Band 66 Bandwidth 1.4 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3579.625	Vertical	-54.93	-13	-41.93
3579.625	Horizontal	-53.2	-13	-40.2
5369.875	Vertical	-52.99	-13	-39.99
5369.875	Horizontal	-54.45	-13	-41.45

LTE CAT-M Band 66 Bandwidth 3 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3579.625	Vertical	-54.93	-13	-41.93
3579.625	Horizontal	-54.21	-13	-41.21
5369.875	Vertical	-55.38	-13	-42.38
5369.875	Horizontal	-53.75	-13	-40.75

LTE CAT-M Band 66 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3581.75	Vertical	-53.6	-13	-40.6
3581.75	Horizontal	-53.93	-13	-40.93
5367.75	Vertical	-53.94	-13	-40.94
5367.75	Horizontal	-53.72	-13	-40.72

LTE CAT-M Band 66 Bandwidth 10 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3583.875	Vertical	-53.14	-13	-40.14
3583.875	Horizontal	-53.48	-13	-40.48
5365.625	Vertical	-53.5	-13	-40.5
5372	Horizontal	-52.31	-13	-39.31

LTE CAT-M Band 66 Bandwidth 15 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3577.5	Vertical	-53.09	-13	-40.09
3577.5	Horizontal	-53.41	-13	-40.41
5369.875	Vertical	-54.13	-13	-41.13
5363.5	Horizontal	-52.77	-13	-39.77

LTE CAT-M Band 66 Bandwidth 20 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3586	Vertical	-52.96	-13	-39.96
3581.75	Horizontal	-53.44	-13	-40.44
5363.5	Vertical	-53.64	-13	-40.64
5365.625	Horizontal	-53.12	-13	-40.12

LTE NB-IOT Band 2 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3698.25	Vertical	-55.22	-13	-42.22
3698.25	Horizontal	-55.51	-13	-42.51
5548.875	Vertical	-53.25	-13	-40.25
5548.875	Horizontal	-53.11	-13	-40.11

LTE NB-IOT Band 2 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3758.25	Vertical	-51.214	-13	-38.214
3758.25	Horizontal	-51.199	-13	-38.199
5638.875	Vertical	-48.026	-13	-35.026
5638.875	Horizontal	-48.011	-13	-35.011

LTE NB-IOT Band 2 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3818.25	Vertical	-55.1	-13	-42.1
3818.25	Horizontal	-55.48	-13	-42.48
5728.875	Vertical	-53.27	-13	-40.27
5728.875	Horizontal	-53.03	-13	-40.03

LTE NB-IOT Band 4 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3417.875	Vertical	-56.67	-13	-43.67
3422.125	Horizontal	-56.23	-13	-43.23
5266.5	Vertical	-57.01	-13	-44.01
5199	Horizontal	-56.25	-13	-43.25
6930.875	Vertical	-56.86	-13	-43.86
6930.875	Horizontal	-56.1	-13	-43.1

LTE NB-IOT Band 4 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3462.875	Horizontal	-53.285	-13	-40.285
3465	Vertical	-54.099	-13	-41.099
5196.875	Vertical	-52.836	-13	-39.836
5199	Horizontal	-52.144	-13	-39.144

LTE NB-IOT Band 4 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3507.875	Vertical	-56.55	-13	-43.55
3512.125	Horizontal	-56.2	-13	-43.2
5266.5	Vertical	-57.03	-13	-44.03
5199	Horizontal	-56.17	-13	-43.17
6930.875	Vertical	-56.74	-13	-43.74
6930.875	Horizontal	-56.07	-13	-43.07

LTE NB-IOT Band 5 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1646.5	Vertical	-52.82	-13	-39.82
1646.5	Horizontal	-55.7	-13	-42.7
2473.375	Vertical	-53.38	-13	-40.38
2473.375	Horizontal	-53.35	-13	-40.35
3296	Vertical	-43.02	-13	-30.02
3296	Horizontal	-43.37	-13	-30.37

LTE NB-IOT Band 5 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1671.5	Vertical	-49.544	-13	-36.544
1671.5	Horizontal	-49.577	-13	-36.577
2508.75	Vertical	-54.429	-13	-41.429
2508.75	Horizontal	-54.504	-13	-41.504
3346	Vertical	-47.929	-13	-34.929
3346	Horizontal	-47.981	-13	-34.981

LTE NB-IOT Band 5 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1696.5	Vertical	-52.7	-13	-39.7
1696.5	Horizontal	-55.67	-13	-42.67
2548.375	Vertical	-53.4	-13	-40.4
2548.375	Horizontal	-53.27	-13	-40.27
3396	Vertical	-42.9	-13	-29.9
3396	Horizontal	-43.34	-13	-30.34

LTE NB-IOT Band 12 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1397.375	Vertical	-49.36	-13	-36.36
1397.375	Horizontal	-49.58	-13	-36.58
2094.875	Vertical	-51.3	-13	-38.3
2097	Horizontal	-48.8	-13	-35.8

LTE NB-IOT Band 12 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1414.375	Vertical	-46.105	-13	-33.105
1414.375	Horizontal	-46.461	-13	-33.461
2122	Vertical	-51.112	-13	-38.112
2122	Horizontal	-51.14	-13	-38.14

LTE NB-IOT Band 12 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1431.375	Vertical	-49.24	-13	-36.24
1431.375	Horizontal	-49.55	-13	-36.55
2145.375	Vertical	-51.32	-13	-38.32
2147.5	Horizontal	-48.72	-13	-35.72

LTE NB-IOT Band 13 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1553.125	Vertical	-57.53	-13	-44.53
1553.125	Horizontal	-57.82	-13	-44.82
2328	Vertical	-54.86	-13	-41.86
2330.125	Horizontal	-52.5	-13	-39.5
3107.125	Vertical	-53.5	-13	-40.5
3109.25	Horizontal	-53.58	-13	-40.58

LTE NB-IOT Band 13 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1563.125	Vertical	-57.022	-13	-44.022
1563.125	Horizontal	-54.523	-13	-41.523
2345.125	Vertical	-48.746	-13	-35.746
2345.125	Horizontal	-50.424	-13	-37.424
3129.25	Vertical	-53.538	-13	-40.538
3129.25	Horizontal	-51.623	-13	-38.623

LTE NB-IOT Band 13 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1573.125	Vertical	-57.41	-13	-44.41
1573.125	Horizontal	-57.79	-13	-44.79
2358	Vertical	-54.88	-13	-41.88
2360.125	Horizontal	-52.42	-13	-39.42
3147.125	Vertical	-53.38	-13	-40.38
3149.25	Horizontal	-53.55	-13	-40.55

LTE NB-IOT Band 17 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1406.625	Vertical	-49.13	-13	-36.13
1406.625	Horizontal	-49.37	-13	-36.37
2110.375	Vertical	-49.5	-13	-36.5
2110.375	Horizontal	-48.25	-13	-35.25

LTE NB-IOT Band 17 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1418.625	Vertical	-45.846	-13	-32.846
1418.625	Horizontal	-45.782	-13	-32.782
2128.375	Vertical	-50.969	-13	-37.969
2128.375	Horizontal	-55.353	-13	-42.353
2840.25	Vertical	-50.044	-13	-37.044
2840.25	Horizontal	-49.973	-13	-36.973

LTE NB-IOT Band 17 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1430.625	Vertical	-49.01	-13	-36.01
1430.625	Horizontal	-49.34	-13	-36.34
2146.375	Vertical	-49.52	-13	-36.52
2146.375	Horizontal	-48.17	-13	-35.17

LTE NB-IOT Band 25 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3699.625	Vertical	-56.81	-13	-43.81
3699.625	Horizontal	-54.77	-13	-41.77
5522.875	Vertical	-52.64	-13	-39.64
5522.875	Horizontal	-52.16	-13	-39.16

LTE NB-IOT Band 25 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3764.625	Vertical	-51.628	-13	-38.628
3764.625	Horizontal	-52.05	-13	-39.05
5645.25	Vertical	-49.86	-13	-36.86
5647.375	Horizontal	-50.347	-13	-37.347

LTE NB-IOT Band 25 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3829.625	Vertical	-56.69	-13	-43.69
3829.625	Horizontal	-54.74	-13	-41.74
5717.875	Vertical	-52.66	-13	-39.66
5717.875	Horizontal	-52.08	-13	-39.08

LTE NB-IOT Band 26 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1625.875	Vertical	-54.88	-13	-41.88
1625.875	Horizontal	-55.51	-13	-42.51
2441.375	Vertical	-55.42	-13	-42.42
2443.5	Horizontal	-55.13	-13	-42.13
3254.75	Vertical	-43.53	-13	-30.53
3254.75	Horizontal	-43.89	-13	-30.89

LTE NB-IOT Band 26 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1660.875	Vertical	-51.279	-13	-38.279
1660.875	Horizontal	-51.091	-13	-38.091
2493.875	Vertical	-53.707	-13	-40.707
2493.875	Horizontal	-53.716	-13	-40.716
3324.75	Vertical	-51.342	-13	-38.342
3324.75	Horizontal	-51.402	-13	-38.402

LTE NB-IOT Band 26 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
1695.875	Vertical	-54.76	-13	-41.76
1695.875	Horizontal	-55.48	-13	-42.48
2546.375	Vertical	-55.44	-13	-42.44
2548.5	Horizontal	-55.05	-13	-42.05
3394.75	Vertical	-43.41	-13	-30.41
3394.75	Horizontal	-43.86	-13	-30.86

LTE NB-IOT Band 66 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Low Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3418.375	Vertical	-56.58	-13	-43.58
3420.5	Horizontal	-57.13	-13	-44.13
5042.25	Vertical	-56.62	-13	-43.62
5042.25	Horizontal	-54.77	-13	-41.77

LTE NB-IOT Band 66 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	Mid Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3490.5	Vertical	-54.903	-13	-41.903
3490.5	Horizontal	-53.857	-13	-40.857
5233	Vertical	-53.58	-13	-40.58
5237.25	Horizontal	-53.226	-13	-40.226

LTE NB-IOT Band 66 Bandwidth 5 MHz

Frequency Range	1GHz ~ 26.5GHz	Operating Channel	High Channel
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SPURIOUS EMISSION LEVEL				
Frequency (MHz)	Antenna Polarization	Level (dBm)	Limit (dBm)	Margin (dB)
3558.375	Vertical	-56.46	-13	-43.46
3560.5	Horizontal	-57.1	-13	-44.1
5252.25	Vertical	-56.64	-13	-43.64
5252.25	Horizontal	-54.69	-13	-41.69

Test Setup Photo

(Please refer to the attached file (Test Setup Photo))

IV. Test Equipment List

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2017.

Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S2003	EMI Test Receiver	Keysight	N9030B	11/01/2022	11/01/2023
1S2399	Turntable Controller	SUNOL SCIENCE	SC99V	Not Required	Not Required
1S2486	5 Meter Chamber Control Room	Panashield	5 Meter Control Room	Not Required	Not Required
1S2435	Horn Antenna	ETS-LINDGREN	3117	04/06/2023	04/06/2025
1S3826	Horn Antenna	ETS-LINDGREN	3117	04/06/2023	04/06/2025
1S4802	Preamplifier	EMC Instrument	EMC118A45SE	Note 1	Note 1
1S2668	Preamplifier	Sonoma Instrument	310N	Note 1	Note 1
1S2756	EXG Vector Signal Generator	Keysight	N5172B	August 27, 2022	August 27, 2024
1S2600	Antenna	TESEQ GmbH	D-12623	April 19, 2023	April 19, 2025
Note 1: Verified by calibrated instrumentation at the time of testing					

Table 1. Radiated Emission and Bandage Measurement, Test Equipment List

END OF REPORT