

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	-58.41	-13	-45.41
1555.25	Horizontal	-58.55	-13	-45.55
2332.25	Vertical	-53.88	-13	-40.88
2332.25	Horizontal	-53.99	-13	-40.99

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	-57.27	-13	-44.27
1557.375	Horizontal	-57.41	-13	-44.41
2332.25	Vertical	-53.71	-13	-40.71
2332.25	Horizontal	-53.43	-13	-40.43

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)
1563.125	Vertical	-58.56	-13	-45.56
1565.25	Horizontal	-58.95	-13	-45.95
2345.125	Horizontal	-55.43	-13	-42.43
2347.25	Vertical	-55.71	-13	-42.71

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)
1561	Vertical	-58.97	-13	-45.97
1561	Horizontal	-58.96	-13	-45.96
2343	Vertical	-55.26	-13	-42.26
2351.5	Horizontal	-55.05	-13	-42.05

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	-58.29	-13	-45.29
1575.25	Horizontal	-58.52	-13	-45.52
2362.25	Vertical	-53.9	-13	-40.9
2362.25	Horizontal	-53.91	-13	-40.91

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	-57.15	-13	-44.15
1577.375	Horizontal	-57.38	-13	-44.38
2362.25	Vertical	-53.73	-13	-40.73
2362.25	Horizontal	-53.35	-13	-40.35

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	-54.28	-13	-41.28
3699.625	Horizontal	-54.26	-13	-41.26
5522.88	Vertical	-52.37	-13	-39.37
5522.88	Horizontal	-51.27	-13	-38.27

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	-54.5	-13	-41.5
3699.625	Horizontal	-53.97	-13	-40.97
5520.75	Vertical	-51.11	-13	-38.11
5520.75	Horizontal	-50.94	-13	-37.94

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	-54.5	-13	-41.5
3699.625	Horizontal	-53.97	-13	-40.97
5522.88	Vertical	-53.85	-13	-40.85
5522.88	Horizontal	-53.37	-13	-40.37

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	-51.69	-13	-38.69
3699.625	Horizontal	-51.87	-13	-38.87
5522.88	Vertical	-51.57	-13	-38.57
5518.63	Horizontal	-52.16	-13	-39.16

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	-51.44	-13	-38.44
3708.125	Horizontal	-52.56	-13	-39.56
5529.25	Vertical	-52.38	-13	-39.38
5529.25	Horizontal	-51.53	-13	-38.53

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	-52.57	-13	-39.57
3697.5	Horizontal	-52.05	-13	-39.05
5522.88	Vertical	-52.96	-13	-39.96
5518.63	Horizontal	-52.48	-13	-39.48

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	-53.85	-13	-40.85
3764.625	Horizontal	-49.29	-13	-36.29
5645.25	Vertical	-57.57	-13	-44.57
5645.25	Horizontal	-56.94	-13	-43.94

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	-54.28	-13	-41.28
3762.5	Horizontal	-52.47	-13	-39.47
5649.5	Vertical	-57.36	-13	-44.36
5649.5	Horizontal	-57.33	-13	-44.33

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)
3760.375	Vertical	-52.97	-13	-39.97
3760.375	Horizontal	-50.72	-13	-37.72
5649.5	Vertical	-56.60	-13	-43.6
5645.25	Horizontal	-54.57	-13	-41.57

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	-55.63	-13	-42.63
3756.125	Horizontal	-50.24	-13	-37.24
5641	Vertical	-56.70	-13	-43.7
5641	Horizontal	-56.82	-13	-43.82

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)
3775.25	Vertical	-53.35	-13	-40.35
3775.25	Horizontal	-49.33	-13	-36.33
5651.625	Vertical	-57.12	-13	-44.12
5649.5	Horizontal	-56.28	-13	-43.28

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)
3747.625	Vertical	-52.85	-13	-39.85
3747.625	Horizontal	-48.39	-13	-35.39
5653.75	Vertical	-57.38	-13	-44.38
5651.625	Horizontal	-56.17	-13	-43.17

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	-54.16	-13	-41.16
3829.625	Horizontal	-54.23	-13	-41.23
5717.875	Vertical	-52.39	-13	-39.39
5717.875	Horizontal	-51.19	-13	-38.19

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	-54.38	-13	-41.38
3829.625	Horizontal	-53.94	-13	-40.94
5715.75	Vertical	-51.13	-13	-38.13
5715.75	Horizontal	-50.86	-13	-37.86

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	-54.38	-13	-41.38
3829.625	Horizontal	-53.94	-13	-40.94
5717.875	Vertical	-53.87	-13	-40.87
5717.875	Horizontal	-53.29	-13	-40.29

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	-51.57	-13	-38.57
3829.625	Horizontal	-51.84	-13	-38.84
5717.875	Vertical	-51.59	-13	-38.59
5713.625	Horizontal	-52.08	-13	-39.08

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	-51.32	-13	-38.32
3838.125	Horizontal	-52.53	-13	-39.53
5724.25	Vertical	-52.4	-13	-39.4
5724.25	Horizontal	-51.45	-13	-38.45

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	-52.45	-13	-39.45
3827.5	Horizontal	-52.02	-13	-39.02
5717.875	Vertical	-52.98	-13	-39.98
5713.625	Horizontal	-52.4	-13	-39.4

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	-56.83	-13	-43.83
1663	Horizontal	-57.04	-13	-44.04
2493.875	Vertical	-54.51	-13	-41.51
2493.875	Horizontal	-52.64	-13	-39.64

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	-56.21	-13	-43.21
1663	Horizontal	-56.43	-13	-43.43
2493.875	Vertical	-54.26	-13	-41.26
2493.875	Horizontal	-52.79	-13	-39.79

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	-56.48	-13	-43.48
1660.875	Horizontal	-56.82	-13	-43.82
2496	Vertical	-54.31	-13	-41.31
2493.875	Horizontal	-53.79	-13	-40.79

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	-57.14	-13	-44.14
1667.25	Horizontal	-57.48	-13	-44.48
2491.75	Vertical	-53.51	-13	-40.51
2491.75	Horizontal	-53.36	-13	-40.36

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	-55.83	-13	-42.83
1663	Horizontal	-56.05	-13	-43.05
2493.875	Vertical	-53.81	-13	-40.81
2489.625	Horizontal	-53.78	-13	-40.78

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	-58.76	-13	-45.76
1663	Horizontal	-57.26	-13	-44.26
2493.875	Vertical	-54.86	-13	-41.86
2493.875	Horizontal	-53.92	-13	-40.92

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	-58.75	-13	-45.75
1663	Horizontal	-57.73	-13	-44.73
2493.875	Vertical	-55.23	-13	-42.23
2493.875	Horizontal	-55.24	-13	-42.24

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)
1665.125	Vertical	-58.54	-13	-45.54
1660.875	Horizontal	-58.20	-13	-45.2
2493.875	Vertical	-53.86	-13	-40.86
2493.875	Horizontal	-53.87	-13	-40.87

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)
1667.25	Vertical	-58.05	-13	-45.05
1667.25	Horizontal	-58.08	-13	-45.08
2491.75	Vertical	-54.94	-13	-41.94
2496	Horizontal	-54.70	-13	-41.7

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)
1667.25	Vertical	-57.82	-13	-44.82
1667.25	Horizontal	-57.84	-13	-44.84
2500.25	Vertical	-54.38	-13	-41.38
2500.25	Horizontal	-54.42	-13	-41.42

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	-56.85	-13	-43.85
1698	Horizontal	-57.15	-13	-44.15
2546.375	Vertical	-54.67	-13	-41.67
2546.375	Horizontal	-52.7	-13	-39.7

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	-56.23	-13	-43.23
1698	Horizontal	-56.54	-13	-43.54
2546.375	Vertical	-54.42	-13	-41.42
2546.375	Horizontal	-52.85	-13	-39.85

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	-56.5	-13	-43.5
1695.875	Horizontal	-56.93	-13	-43.93
2548.5	Vertical	-54.47	-13	-41.47
2546.375	Horizontal	-53.85	-13	-40.85

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	-57.16	-13	-44.16
1702.25	Horizontal	-57.59	-13	-44.59
2544.25	Vertical	-53.67	-13	-40.67
2544.25	Horizontal	-53.42	-13	-40.42

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	-55.85	-13	-42.85
1698	Horizontal	-56.16	-13	-43.16
2546.375	Vertical	-53.97	-13	-40.97
2542.125	Horizontal	-53.84	-13	-40.84

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	-55.08	-13	-42.08
3439.625	Horizontal	-53.16	-13	-40.16
5159.875	Vertical	-52.72	-13	-39.72
5159.875	Horizontal	-54.25	-13	-41.25

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	-55.08	-13	-42.08
3439.625	Horizontal	-54.17	-13	-41.17
5159.875	Vertical	-55.11	-13	-42.11
5159.875	Horizontal	-53.55	-13	-40.55

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	-53.75	-13	-40.75
3441.75	Horizontal	-53.89	-13	-40.89
5157.75	Vertical	-53.67	-13	-40.67
5157.75	Horizontal	-53.52	-13	-40.52

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	-53.29	-13	-40.29
3443.875	Horizontal	-53.44	-13	-40.44
5155.625	Vertical	-53.23	-13	-40.23
5162	Horizontal	-52.11	-13	-39.11

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	-53.24	-13	-40.24
3437.5	Horizontal	-53.37	-13	-40.37
5159.875	Vertical	-53.86	-13	-40.86
5153.5	Horizontal	-52.57	-13	-39.57

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	-53.11	-13	-40.11
3441.75	Horizontal	-53.4	-13	-40.4
5153.5	Vertical	-53.37	-13	-40.37
5155.625	Horizontal	-52.92	-13	-39.92

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	-58.42	-13	-45.42
3509.625	Horizontal	-58.65	-13	-45.65
5264.875	Vertical	-58.78	-13	-45.78
5264.875	Horizontal	-59.52	-13	-46.52

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	-57.94	-13	-44.94
3509.625	Horizontal	-57.72	-13	-44.72
5264.875	Vertical	-58.95	-13	-45.95
5264.875	Horizontal	-58.96	-13	-45.96

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	-55.91	-13	-42.91
3509.625	Horizontal	-55.85	-13	-42.85
5264.875	Vertical	-57.64	-13	-44.64
5264.875	Horizontal	-57.09	-13	-44.09

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	-55.16	-13	-42.16
3509.625	Horizontal	-54.48	-13	-41.48
5262.75	Vertical	-56.46	-13	-43.46
5262.75	Horizontal	-56.47	-13	-43.47

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)
3513.875	Vertical	-55.32	-13	-42.32
3511.75	Horizontal	-53.97	-13	-40.97
5260.625	Vertical	-55.87	-13	-42.87
5258.5	Horizontal	-54.50	-13	-41.5

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)
3518.125	Vertical	-56.39	-13	-43.39
3513.875	Horizontal	-56.33	-13	-43.33
5262.75	Vertical	-56.21	-13	-43.21
5267	Horizontal	-56.06	-13	-43.06

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	-54.96	-13	-41.96
3579.625	Horizontal	-53.13	-13	-40.13
5369.875	Vertical	-52.74	-13	-39.74
5369.875	Horizontal	-54.17	-13	-41.17

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	-54.96	-13	-41.96
3579.625	Horizontal	-54.14	-13	-41.14
5369.875	Vertical	-55.13	-13	-42.13
5369.875	Horizontal	-53.47	-13	-40.47

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	-53.63	-13	-40.63
3581.75	Horizontal	-53.86	-13	-40.86
5367.75	Vertical	-53.69	-13	-40.69
5367.75	Horizontal	-53.44	-13	-40.44

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	-53.17	-13	-40.17
3583.875	Horizontal	-53.41	-13	-40.41
5365.625	Vertical	-53.25	-13	-40.25
5372	Horizontal	-52.03	-13	-39.03

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	-53.12	-13	-40.12
3577.5	Horizontal	-53.34	-13	-40.34
5369.875	Vertical	-53.88	-13	-40.88
5363.5	Horizontal	-52.49	-13	-39.49

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	-52.99	-13	-39.99
3581.75	Horizontal	-53.37	-13	-40.37
5363.5	Vertical	-53.39	-13	-40.39
5365.625	Horizontal	-52.84	-13	-39.84

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	-55.25	-13	-42.25
3698.25	Horizontal	-55.44	-13	-42.44
5548.875	Vertical	-53	-13	-40
5548.875	Horizontal	-52.83	-13	-39.83

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	-38.21	-13	-25.21
3758.25	Horizontal	-35.31	-13	-22.31
5638.875	Vertical	-48.09	-13	-35.09
5638.875	Horizontal	-45.89	-13	-32.89

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	-55.13	-13	-42.13
3818.25	Horizontal	-55.41	-13	-42.41
5728.875	Vertical	-53.02	-13	-40.02
5728.875	Horizontal	-52.75	-13	-39.75

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	-56.7	-13	-43.7
3422.125	Horizontal	-56.16	-13	-43.16
5266.5	Vertical	-56.76	-13	-43.76
5199	Horizontal	-55.97	-13	-42.97
6930.875	Vertical	-56.89	-13	-43.89
6930.875	Horizontal	-56.03	-13	-43.03

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)
3469.25	Vertical	-55.86	-13	-42.86
3465	Horizontal	-53.50	-13	-40.5
5199	Vertical	-54.75	-13	-41.75
5196.875	Horizontal	-54.07	-13	-41.07

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	-56.58	-13	-43.58
3512.125	Horizontal	-56.13	-13	-43.13
5266.5	Vertical	-56.78	-13	-43.78
5199	Horizontal	-55.89	-13	-42.89
6930.875	Vertical	-56.77	-13	-43.77
6930.875	Horizontal	-56	-13	-43

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	-52.85	-13	-39.85
1646.5	Horizontal	-55.63	-13	-42.63
2473.375	Vertical	-53.13	-13	-40.13
2473.375	Horizontal	-53.07	-13	-40.07
3296	Vertical	-43.05	-13	-30.05
3296	Horizontal	-43.3	-13	-30.3

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	-38.22	-13	-25.22
1671.5	Horizontal	-38.25	-13	-25.25
2508.75	Vertical	-51.63	-13	-38.63
2508.75	Horizontal	-51.70	-13	-38.7
3343.875	Vertical	-47.10	-13	-34.1
3343.875	Horizontal	-47.15	-13	-34.15

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	-52.73	-13	-39.73
1696.5	Horizontal	-55.6	-13	-42.6
2548.375	Vertical	-53.15	-13	-40.15
2548.375	Horizontal	-52.99	-13	-39.99
3396	Vertical	-42.93	-13	-29.93
3396	Horizontal	-43.27	-13	-30.27

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	-49.39	-13	-36.39
1397.375	Horizontal	-49.51	-13	-36.51
2094.875	Vertical	-51.05	-13	-38.05
2097	Horizontal	-48.52	-13	-35.52

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	-38.99	-13	-25.99
1414.375	Horizontal	-42.26	-13	-29.26
2119.875	Vertical	-49.41	-13	-36.41
2122	Horizontal	-52.94	-13	-39.94

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	-49.27	-13	-36.27
1431.375	Horizontal	-49.48	-13	-36.48
2145.375	Vertical	-51.07	-13	-38.07
2147.5	Horizontal	-48.44	-13	-35.44

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	-57.56	-13	-44.56
1553.125	Horizontal	-57.75	-13	-44.75
2328	Vertical	-54.61	-13	-41.61
2330.125	Horizontal	-52.22	-13	-39.22
3107.125	Vertical	-53.53	-13	-40.53
3109.25	Horizontal	-53.51	-13	-40.51

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	-46.31	-13	-33.31
1563.125	Horizontal	-48.18	-13	-35.18
2345.125	Vertical	-50.86	-13	-37.86
2345.125	Horizontal	-51.76	-13	-38.76
3127.125	Vertical	-52.95	-13	-39.95
3127.125	Horizontal	-52.43	-13	-39.43

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	-57.44	-13	-44.44
1573.125	Horizontal	-57.72	-13	-44.72
2358	Vertical	-54.63	-13	-41.63
2360.125	Horizontal	-52.14	-13	-39.14
3147.125	Vertical	-53.41	-13	-40.41
3149.25	Horizontal	-53.48	-13	-40.48

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	-49.16	-13	-36.16
1406.625	Horizontal	-49.3	-13	-36.3
2110.375	Vertical	-49.25	-13	-36.25
2110.375	Horizontal	-47.97	-13	-34.97

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	-39.62	-13	-26.62
1418.625	Horizontal	-43.28	-13	-30.28
2128.375	Vertical	-50.44	-13	-37.44
2128.375	Horizontal	-51.27	-13	-38.27

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	-49.04	-13	-36.04
1430.625	Horizontal	-49.27	-13	-36.27
2146.375	Vertical	-49.27	-13	-36.27
2146.375	Horizontal	-47.89	-13	-34.89

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	-56.84	-13	-43.84
3699.625	Horizontal	-54.7	-13	-41.7
5522.875	Vertical	-52.39	-13	-39.39
5522.875	Horizontal	-51.88	-13	-38.88

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	-39.91	-13	-26.91
3764.625	Horizontal	-35.18	-13	-22.18
5645.25	Horizontal	-49.00	-13	-36
5647.375	Vertical	-50.65	-13	-37.65

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	-56.72	-13	-43.72
3829.625	Horizontal	-54.67	-13	-41.67
5717.875	Vertical	-52.41	-13	-39.41
5717.875	Horizontal	-51.8	-13	-38.8

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	-54.91	-13	-41.91
1625.875	Horizontal	-55.44	-13	-42.44
2441.375	Vertical	-55.17	-13	-42.17
2443.5	Horizontal	-54.85	-13	-41.85
3254.75	Vertical	-43.56	-13	-30.56
3254.75	Horizontal	-43.82	-13	-30.82

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	-41.48	-13	-28.48
1660.875	Horizontal	-44.12	-13	-31.12
2496	Vertical	-55.66	-13	-42.66
2496	Horizontal	-54.86	-13	-41.86
3324.75	Vertical	-50.89	-13	-37.89
3324.75	Horizontal	-50.95	-13	-37.95

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	-54.79	-13	-41.79
1695.875	Horizontal	-55.41	-13	-42.41
2546.375	Vertical	-55.19	-13	-42.19
2548.5	Horizontal	-54.77	-13	-41.77
3394.75	Vertical	-43.44	-13	-30.44
3394.75	Horizontal	-43.79	-13	-30.79

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	-56.61	-13	-43.61
3420.5	Horizontal	-57.06	-13	-44.06
5042.25	Vertical	-56.37	-13	-43.37
5042.25	Horizontal	-54.49	-13	-41.49

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	-56.05	-13	-43.05
3492.625	Horizontal	-54.41	-13	-41.41
5235.125	Vertical	-54.70	-13	-41.7
5233	Horizontal	-54.49	-13	-41.49

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	-56.49	-13	-43.49
3560.5	Horizontal	-57.03	-13	-44.03
5252.25	Vertical	-56.39	-13	-43.39
5252.25	Horizontal	-54.41	-13	-41.41

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