

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)
1567.375	Vertical	-57.22	-13	-44.22
1567.375	Horizontal	-57.16	-13	-44.16
2347.25	Vertical	-53.93	-13	-40.93
2347.25	Horizontal	-53.80	-13	-40.8

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	-58.38	-13	-45.38
1575.25	Horizontal	-58.41	-13	-45.41
2362.25	Vertical	-54.26	-13	-41.26
2362.25	Horizontal	-54.42	-13	-41.42

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	-57.24	-13	-44.24
1577.375	Horizontal	-57.27	-13	-44.27
2362.25	Vertical	-54.09	-13	-41.09
2362.25	Horizontal	-53.86	-13	-40.86

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	-54.37	-13	-41.37
3699.625	Horizontal	-54.15	-13	-41.15
5522.88	Vertical	-52.73	-13	-39.73
5522.88	Horizontal	-51.78	-13	-38.78

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	-54.59	-13	-41.59
3699.625	Horizontal	-53.86	-13	-40.86
5520.75	Vertical	-51.47	-13	-38.47
5520.75	Horizontal	-51.45	-13	-38.45

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	-54.59	-13	-41.59
3699.625	Horizontal	-53.86	-13	-40.86
5522.88	Vertical	-54.21	-13	-41.21
5522.88	Horizontal	-53.88	-13	-40.88

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	-51.78	-13	-38.78
3699.625	Horizontal	-51.76	-13	-38.76
5522.88	Vertical	-51.93	-13	-38.93
5518.63	Horizontal	-52.67	-13	-39.67

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	-51.53	-13	-38.53
3708.125	Horizontal	-52.45	-13	-39.45
5529.25	Vertical	-52.74	-13	-39.74
5529.25	Horizontal	-52.04	-13	-39.04

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	-52.66	-13	-39.66
3697.5	Horizontal	-51.94	-13	-38.94
5522.88	Vertical	-53.32	-13	-40.32
5518.63	Horizontal	-52.99	-13	-39.99

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	-54.23	-13	-41.23
3764.625	Horizontal	-54.01	-13	-41.01
5647.375	Vertical	-52.59	-13	-39.59
5647.375	Horizontal	-51.64	-13	-38.64

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)
3764.625	Vertical	-54.45	-13	-41.45
3764.625	Horizontal	-53.72	-13	-40.72
5645.25	Vertical	-51.33	-13	-38.33
5645.25	Horizontal	-51.31	-13	-38.31

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)
3764.625	Vertical	-54.45	-13	-41.45
3764.625	Horizontal	-53.72	-13	-40.72
5647.375	Vertical	-54.07	-13	-41.07
5647.375	Horizontal	-53.74	-13	-40.74

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)
3764.625	Vertical	-51.64	-13	-38.64
3764.625	Horizontal	-51.62	-13	-38.62
5647.375	Vertical	-51.79	-13	-38.79
5643.125	Horizontal	-52.53	-13	-39.53

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	-51.39	-13	-38.39
3773.125	Horizontal	-52.31	-13	-39.31
5653.75	Vertical	-52.60	-13	-39.6
5653.75	Horizontal	-51.90	-13	-38.9

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)
3771	Vertical	-52.52	-13	-39.52
3762.5	Horizontal	-51.80	-13	-38.8
5647.375	Vertical	-53.18	-13	-40.18
5643.125	Horizontal	-52.85	-13	-39.85

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	-54.25	-13	-41.25
3829.625	Horizontal	-54.12	-13	-41.12
5717.875	Vertical	-52.75	-13	-39.75
5717.875	Horizontal	-51.7	-13	-38.7

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	-54.47	-13	-41.47
3829.625	Horizontal	-53.83	-13	-40.83
5715.75	Vertical	-51.49	-13	-38.49
5715.75	Horizontal	-51.37	-13	-38.37

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	-54.47	-13	-41.47
3829.625	Horizontal	-53.83	-13	-40.83
5717.875	Vertical	-54.23	-13	-41.23
5717.875	Horizontal	-53.8	-13	-40.8

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	-51.66	-13	-38.66
3829.625	Horizontal	-51.73	-13	-38.73
5717.875	Vertical	-51.95	-13	-38.95
5713.625	Horizontal	-52.59	-13	-39.59

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	-51.41	-13	-38.41
3838.125	Horizontal	-52.42	-13	-39.42
5724.25	Vertical	-52.76	-13	-39.76
5724.25	Horizontal	-51.96	-13	-38.96

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	-52.54	-13	-39.54
3827.5	Horizontal	-51.91	-13	-38.91
5717.875	Vertical	-53.34	-13	-40.34
5713.625	Horizontal	-52.91	-13	-39.91

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	-56.92	-13	-43.92
1663	Horizontal	-56.93	-13	-43.93
2493.875	Vertical	-54.87	-13	-41.87
2493.875	Horizontal	-53.15	-13	-40.15

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	-56.30	-13	-43.3
1663	Horizontal	-56.32	-13	-43.32
2493.875	Vertical	-54.62	-13	-41.62
2493.875	Horizontal	-53.30	-13	-40.3

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	-56.57	-13	-43.57
1660.875	Horizontal	-56.71	-13	-43.71
2496	Vertical	-54.67	-13	-41.67
2493.875	Horizontal	-54.30	-13	-41.3

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	-57.23	-13	-44.23
1667.25	Horizontal	-57.37	-13	-44.37
2491.75	Vertical	-53.87	-13	-40.87
2491.75	Horizontal	-53.87	-13	-40.87

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	-55.92	-13	-42.92
1663	Horizontal	-55.94	-13	-42.94
2493.875	Vertical	-54.17	-13	-41.17
2489.625	Horizontal	-54.29	-13	-41.29

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	-56.92	-13	-43.92
1663	Horizontal	-56.93	-13	-43.93
2493.875	Vertical	-54.87	-13	-41.87
2493.875	Horizontal	-53.15	-13	-40.15

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	-56.30	-13	-43.3
1663	Horizontal	-56.32	-13	-43.32
2493.875	Vertical	-54.62	-13	-41.62
2493.875	Horizontal	-53.30	-13	-40.3

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	-56.57	-13	-43.57
1660.875	Horizontal	-56.71	-13	-43.71
2496	Vertical	-54.67	-13	-41.67
2493.875	Horizontal	-54.30	-13	-41.3

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	-57.23	-13	-44.23
1667.25	Horizontal	-57.37	-13	-44.37
2491.75	Vertical	-53.87	-13	-40.87
2491.75	Horizontal	-53.87	-13	-40.87

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)
1663	Vertical	-55.92	-13	-42.92
1663	Horizontal	-55.94	-13	-42.94
2493.875	Vertical	-54.17	-13	-41.17
2489.625	Horizontal	-54.29	-13	-41.29

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	-56.94	-13	-43.94
1698	Horizontal	-57.04	-13	-44.04
2546.375	Vertical	-55.03	-13	-42.03
2546.375	Horizontal	-53.21	-13	-40.21

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	-56.32	-13	-43.32
1698	Horizontal	-56.43	-13	-43.43
2546.375	Vertical	-54.78	-13	-41.78
2546.375	Horizontal	-53.36	-13	-40.36

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	-56.59	-13	-43.59
1695.875	Horizontal	-56.82	-13	-43.82
2548.5	Vertical	-54.83	-13	-41.83
2546.375	Horizontal	-54.36	-13	-41.36

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	-57.25	-13	-44.25
1702.25	Horizontal	-57.48	-13	-44.48
2544.25	Vertical	-54.03	-13	-41.03
2544.25	Horizontal	-53.93	-13	-40.93

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	-55.94	-13	-42.94
1698	Horizontal	-56.05	-13	-43.05
2546.375	Vertical	-54.33	-13	-41.33
2542.125	Horizontal	-54.35	-13	-41.35

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	-55.17	-13	-42.17
3439.625	Horizontal	-53.05	-13	-40.05
5159.875	Vertical	-53.08	-13	-40.08
5159.875	Horizontal	-54.76	-13	-41.76

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	-55.17	-13	-42.17
3439.625	Horizontal	-54.06	-13	-41.06
5159.875	Vertical	-55.47	-13	-42.47
5159.875	Horizontal	-54.06	-13	-41.06

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	-53.84	-13	-40.84
3441.75	Horizontal	-53.78	-13	-40.78
5157.75	Vertical	-54.03	-13	-41.03
5157.75	Horizontal	-54.03	-13	-41.03

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	-53.38	-13	-40.38
3443.875	Horizontal	-53.33	-13	-40.33
5155.625	Vertical	-53.59	-13	-40.59
5162	Horizontal	-52.62	-13	-39.62

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	-53.33	-13	-40.33
3437.5	Horizontal	-53.26	-13	-40.26
5159.875	Vertical	-54.22	-13	-41.22
5153.5	Horizontal	-53.08	-13	-40.08

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	-53.2	-13	-40.2
3441.75	Horizontal	-53.29	-13	-40.29
5153.5	Vertical	-53.73	-13	-40.73
5155.625	Horizontal	-53.43	-13	-40.43

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	-55.03	-13	-42.03
3509.625	Horizontal	-52.91	-13	-39.91
5264.875	Vertical	-52.94	-13	-39.94
5264.875	Horizontal	-54.62	-13	-41.62

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	-55.03	-13	-42.03
3509.625	Horizontal	-53.92	-13	-40.92
5264.875	Vertical	-55.33	-13	-42.33
5264.875	Horizontal	-53.92	-13	-40.92

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)
3511.75	Vertical	-53.70	-13	-40.7
3511.75	Horizontal	-53.64	-13	-40.64
5262.75	Vertical	-53.89	-13	-40.89
5262.75	Horizontal	-53.89	-13	-40.89

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)
3513.875	Vertical	-53.24	-13	-40.24
3513.875	Horizontal	-53.19	-13	-40.19
5260.625	Vertical	-53.45	-13	-40.45
5267	Horizontal	-52.48	-13	-39.48

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	-53.19	-13	-40.19
3507.5	Horizontal	-53.12	-13	-40.12
5264.875	Vertical	-54.08	-13	-41.08
5258.5	Horizontal	-52.94	-13	-39.94

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)
3516	Vertical	-53.06	-13	-40.06
3511.75	Horizontal	-53.15	-13	-40.15
5258.5	Vertical	-53.59	-13	-40.59
5260.625	Horizontal	-53.29	-13	-40.29

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	-55.05	-13	-42.05
3579.625	Horizontal	-53.02	-13	-40.02
5369.875	Vertical	-53.1	-13	-40.1
5369.875	Horizontal	-54.68	-13	-41.68

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	-55.05	-13	-42.05
3579.625	Horizontal	-54.03	-13	-41.03
5369.875	Vertical	-55.49	-13	-42.49
5369.875	Horizontal	-53.98	-13	-40.98

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	-53.72	-13	-40.72
3581.75	Horizontal	-53.75	-13	-40.75
5367.75	Vertical	-54.05	-13	-41.05
5367.75	Horizontal	-53.95	-13	-40.95

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	-53.26	-13	-40.26
3583.875	Horizontal	-53.3	-13	-40.3
5365.625	Vertical	-53.61	-13	-40.61
5372	Horizontal	-52.54	-13	-39.54

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	-53.21	-13	-40.21
3577.5	Horizontal	-53.23	-13	-40.23
5369.875	Vertical	-54.24	-13	-41.24
5363.5	Horizontal	-53	-13	-40

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	-53.08	-13	-40.08
3581.75	Horizontal	-53.26	-13	-40.26
5363.5	Vertical	-53.75	-13	-40.75
5365.625	Horizontal	-53.35	-13	-40.35

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	-55.34	-13	-42.34
3698.25	Horizontal	-55.33	-13	-42.33
5548.875	Vertical	-53.36	-13	-40.36
5548.875	Horizontal	-53.34	-13	-40.34

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	-55.20	-13	-42.2
3758.25	Horizontal	-55.19	-13	-42.19
5638.875	Vertical	-53.22	-13	-40.22
5638.875	Horizontal	-53.20	-13	-40.2

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	-55.22	-13	-42.22
3818.25	Horizontal	-55.3	-13	-42.3
5728.875	Vertical	-53.38	-13	-40.38
5728.875	Horizontal	-53.26	-13	-40.26

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	-56.79	-13	-43.79
3422.125	Horizontal	-56.05	-13	-43.05
5266.5	Vertical	-57.12	-13	-44.12
5199	Horizontal	-56.48	-13	-43.48
6930.875	Vertical	-56.98	-13	-43.98
6930.875	Horizontal	-55.92	-13	-42.92

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	Vertical	-56.65	-13	-43.65
3467.125	Horizontal	-55.91	-13	-42.91
5199	Vertical	-56.98	-13	-43.98
5199	Horizontal	-56.34	-13	-43.34
6930.875	Vertical	-56.84	-13	-43.84
6930.875	Horizontal	-55.78	-13	-42.78

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	-56.67	-13	-43.67
3512.125	Horizontal	-56.02	-13	-43.02
5266.5	Vertical	-57.14	-13	-44.14
5199	Horizontal	-56.4	-13	-43.4
6930.875	Vertical	-56.86	-13	-43.86
6930.875	Horizontal	-55.89	-13	-42.89

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	-52.94	-13	-39.94
1646.5	Horizontal	-55.52	-13	-42.52
2473.375	Vertical	-53.49	-13	-40.49
2473.375	Horizontal	-53.58	-13	-40.58
3296	Vertical	-43.14	-13	-30.14
3296	Horizontal	-43.19	-13	-30.19

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	-52.80	-13	-39.8
1671.5	Horizontal	-55.38	-13	-42.38
2510.875	Vertical	-53.35	-13	-40.35
2510.875	Horizontal	-53.44	-13	-40.44
3346	Vertical	-43.00	-13	-30
3346	Horizontal	-43.05	-13	-30.05

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	-52.82	-13	-39.82
1696.5	Horizontal	-55.49	-13	-42.49
2548.375	Vertical	-53.51	-13	-40.51
2548.375	Horizontal	-53.5	-13	-40.5
3396	Vertical	-43.02	-13	-30.02
3396	Horizontal	-43.16	-13	-30.16

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	-49.48	-13	-36.48
1397.375	Horizontal	-49.4	-13	-36.4
2094.875	Vertical	-51.41	-13	-38.41
2097	Horizontal	-49.03	-13	-36.03

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	-49.34	-13	-36.34
1414.375	Horizontal	-49.26	-13	-36.26
2119.875	Vertical	-51.27	-13	-38.27
2122	Horizontal	-48.89	-13	-35.89

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	-49.36	-13	-36.36
1431.375	Horizontal	-49.37	-13	-36.37
2145.375	Vertical	-51.43	-13	-38.43
2147.5	Horizontal	-48.95	-13	-35.95

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	-57.65	-13	-44.65
1553.125	Horizontal	-57.64	-13	-44.64
2328	Vertical	-54.97	-13	-41.97
2330.125	Horizontal	-52.73	-13	-39.73
3107.125	Vertical	-53.62	-13	-40.62
3109.25	Horizontal	-53.4	-13	-40.4

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	-57.51	-13	-44.51
1563.125	Horizontal	-57.50	-13	-44.5
2343	Vertical	-54.83	-13	-41.83
2345.125	Horizontal	-52.59	-13	-39.59
3127.125	Vertical	-53.48	-13	-40.48
3129.25	Horizontal	-53.26	-13	-40.26

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	-57.53	-13	-44.53
1573.125	Horizontal	-57.61	-13	-44.61
2358	Vertical	-54.99	-13	-41.99
2360.125	Horizontal	-52.65	-13	-39.65
3147.125	Vertical	-53.5	-13	-40.5
3149.25	Horizontal	-53.37	-13	-40.37

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	-49.25	-13	-36.25
1406.625	Horizontal	-49.19	-13	-36.19
2110.375	Vertical	-49.61	-13	-36.61
2110.375	Horizontal	-48.48	-13	-35.48

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	-49.11	-13	-36.11
1418.625	Horizontal	-49.05	-13	-36.05
2128.375	Vertical	-49.47	-13	-36.47
2128.375	Horizontal	-48.34	-13	-35.34

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	-49.13	-13	-36.13
1430.625	Horizontal	-49.16	-13	-36.16
2146.375	Vertical	-49.63	-13	-36.63
2146.375	Horizontal	-48.4	-13	-35.4

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	-56.93	-13	-43.93
3699.625	Horizontal	-54.59	-13	-41.59
5522.875	Vertical	-52.75	-13	-39.75
5522.875	Horizontal	-52.39	-13	-39.39

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	-56.79	-13	-43.79
3764.625	Horizontal	-54.45	-13	-41.45
5647.375	Vertical	-52.61	-13	-39.61
5647.375	Horizontal	-52.25	-13	-39.25

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	-56.81	-13	-43.81
3829.625	Horizontal	-54.56	-13	-41.56
5717.875	Vertical	-52.77	-13	-39.77
5717.875	Horizontal	-52.31	-13	-39.31

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	-55	-13	-42
1625.875	Horizontal	-55.33	-13	-42.33
2441.375	Vertical	-55.53	-13	-42.53
2443.5	Horizontal	-55.36	-13	-42.36
3254.75	Vertical	-43.65	-13	-30.65
3254.75	Horizontal	-43.71	-13	-30.71

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	-54.86	-13	-41.86
1660.875	Horizontal	-55.19	-13	-42.19
2493.875	Vertical	-55.39	-13	-42.39
2496	Horizontal	-55.22	-13	-42.22
3324.75	Vertical	-43.51	-13	-30.51
3324.75	Horizontal	-43.57	-13	-30.57

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	-54.88	-13	-41.88
1695.875	Horizontal	-55.3	-13	-42.3
2546.375	Vertical	-55.55	-13	-42.55
2548.5	Horizontal	-55.28	-13	-42.28
3394.75	Vertical	-43.53	-13	-30.53
3394.75	Horizontal	-43.68	-13	-30.68

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	-56.7	-13	-43.7
3420.5	Horizontal	-56.95	-13	-43.95
5042.25	Vertical	-56.73	-13	-43.73
5042.25	Horizontal	-55	-13	-42

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)
3488.375	Vertical	-56.56	-13	-43.56
3490.5	Horizontal	-56.81	-13	-43.81
5237.25	Vertical	-56.59	-13	-43.59
5237.25	Horizontal	-54.86	-13	-41.86

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	-56.58	-13	-43.58
3560.5	Horizontal	-56.92	-13	-43.92
5252.25	Vertical	-56.75	-13	-43.75
5252.25	Horizontal	-54.92	-13	-41.92

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