

Radiates Spurious Emission

NB-IoT Band 13 15 kHz QPSK CH- Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1563.8	-64.26	1.70	8.70	Horizontal	-59.41	-40.00	19.41	180
Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
3	2346.4	-66.48	2.10	12.00	Horizontal	-56.58	-13.00	43.58	0
4	3128.0	-67.43	2.30	13.10	Horizontal	-56.63	-13.00	43.63	315
5	3910.0	-66.00	2.90	12.50	Horizontal	-56.40	-13.00	43.40	135
6	4692.0	-63.73	3.10	12.50	Horizontal	-54.33	-13.00	41.33	45
7	5474.0	-63.51	3.30	12.50	Horizontal	-54.31	-13.00	41.31	270
8	6256.0	-63.04	3.50	12.80	Horizontal	-53.74	-13.00	40.74	90
9	7038.0	-60.15	4.20	11.80	Horizontal	-52.55	-13.00	39.55	0
10	7820.0	-59.58	4.40	12.30	Horizontal	-51.68	-13.00	38.68	225
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

Main Test Instruments

Date of Testing: January 16, 2022~ January 17, 2022

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Signal Analyzer	R&S	FSV30	100815	2021-12-12	2022-12-11
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	01439	2021-06-30	2024-06-29
Horn Antenna	Schwarzbeck	BBHA 9120D	01799	2019-09-21	2022-09-20
Software	R&S	EMC32	9.26.0	/	/