

## 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	/	/