

Radiates Spurious Emission

LTE Band 13 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1559.7	-57.62	1.70	8.70	Vertical	-52.77	-40.00	12.77	45
Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
3	2339.3	-53.48	1.70	8.70	Vertical	-48.63	-13.00	35.63	0
4	3118.0	-61.71	1.70	8.70	Vertical	-56.86	-13.00	43.86	0
5	3897.0	-53.18	1.70	8.70	Vertical	-48.33	-13.00	35.33	90
6	4677.0	-58.00	1.70	8.70	Vertical	-53.15	-13.00	40.15	90
7	5456.5	-55.22	1.70	8.70	Vertical	-50.37	-13.00	37.37	0
8	6236.0	-59.22	1.70	8.70	Vertical	-54.37	-13.00	41.37	135
9	7015.5	-55.78	1.70	8.70	Vertical	-50.93	-13.00	37.93	135
10	7795.0	-54.57	1.70	8.70	Vertical	-49.72	-13.00	36.72	45
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 Vertical position.									

LTE Band 13 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1555.1	-59.76	1.70	8.70	Vertical	-54.91	-13.00	41.91	90
3	2332.7	-60.08	2.10	12.00	Vertical	-52.33	-13.00	39.33	90
4	3108.0	-64.37	2.30	13.10	Vertical	-55.72	-13.00	42.72	0
5	3887.7	-52.52	2.90	12.50	Vertical	-45.07	-13.00	32.07	180
6	4662.0	-60.37	3.10	12.50	Vertical	-53.12	-13.00	40.12	0
7	5439.0	-58.44	3.30	12.50	Vertical	-51.39	-13.00	38.39	90
8	6216.0	-60.00	3.50	12.80	Vertical	-52.85	-13.00	39.85	315
9	6993.0	-59.34	4.20	11.80	Vertical	-53.89	-13.00	40.89	0
10	7770.0	-55.08	4.40	12.30	Vertical	-49.33	-13.00	36.33	0
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 Vertical position.									

Main Test Instruments

Date of Testing (variant): November 16, 2021

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Signal Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
TRILOG Broadband Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2021-12-16
Software	R&S	EMC32	10.35.10	/	/