

TEST REPORT

Reference No...... : WTD25D02032206W002
FCC ID : KE3-3003818
Applicant..... : Radio Systems Corporation
Address..... : 10427 PetSafe Way, Knoxville, TN 37932, United States
Manufacturer : Radio Systems Corporation
Address..... : 10427 PetSafe Way, Knoxville, TN 37932, United States
Product..... : PetSafe Guardian GPS 2.0 Dog Fence & Tracking
Invisible Fence GPS Flex Fence
Model(s)..... : RFA-669, RIF00-18101
Standards..... : FCC CFR47 Part 22 Subpart H
FCC CFR47 Part 24 Subpart E
FCC CFR47 Part 27
FCC CFR47 Part 90
Date of Receipt sample : 2025-03-06
Date of Test : 2025-03-11 to 2025-03-17
Date of Issue..... : 2025-03-24
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD25D02032206W002	2025-03-06	2025-03-11 to 2025-03-17	2025-03-24	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	PetSafe Guardian GPS 2.0 Dog Fence & Tracking Invisible Fence GPS Flex Fence
Model(s):	RFA-669, RIF00-18101
Model Description:	Only the product name, model name, appearance and battery are different. The other respects are same. The model name of PetSafe Guardian GPS 2.0 Dog Fence & Tracking is RFA-669. The model name of Invisible Fence GPS Flex Fence is RIF00-18101.
Test Sample No.:	1-1/1
LTE Band(s):	FDD Band 2/5/12/13/14/66/71
Hardware Version:	Collar PCBA rev #006 Collar PCB rev #003
Software Version:	R001

4.2 Details of E.U.T.

Operation Frequency:	LTE Band 2: 1850~1910MHz LTE Band 5: 824~849MHz LTE Band 12: 699~716MHz LTE Band 13: 777~787MHz LTE Band 14: 788~798MHz LTE Band 66: 1701~1780MHz LTE Band 71: 663~698MHz
Max. RF output power:	LTE Band 2: 23.17dBm LTE Band 5: 23.48dBm LTE Band 12: 23.97dBm LTE Band 13: 23.84dBm LTE Band 14: 23.48dBm LTE Band 66: 23.41dBm LTE Band 71: 23.78dBm
EIRP/ERP	LTE Band 2: 27.29dBm LTE Band 5: 23.92dBm LTE Band 12: 24.26dBm LTE Band 13: 24.13dBm LTE Band 14: 23.77dBm LTE Band 66: 27.53dBm LTE Band 71: 22.58dBm
Type of Modulation:	LTE: QPSK, 16QAM
Antenna installation:	LTE: FPC ANT
Antenna Gain:	LTE Band 2: 4.12dBi

LTE Band 5: 2.59dBi
LTE Band 12: 2.44dBi
LTE Band 13: 2.44dBi
LTE Band 14: 2.44dBi
LTE Band 66: 4.12dBi
LTE Band 71: 0.95dBi

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Ratings: DC 3.7V for battery

Type of Emission: LTE Band 2 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)
LTE Band 2 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
LTE Band 2 5MHz: 4M51G7D(QPSK), 4M52W7D(16QAM)
LTE Band 2 10 MHz: 9M00G7D(QPSK), 4M65W7D(16QAM)
LTE Band 2 15MHz: 13M5G7D(QPSK), 4M75W7D(16QAM)
LTE Band 2 20MHz: 17M9G7D(QPSK), 4M83W7D(16QAM)
LTE Band 5 1.4MHz: 1M09G7D(QPSK), 1M08W7D(16QAM)
LTE Band 5 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
LTE Band 5 5MHz: 4M51G7D(QPSK), 4M51W7D(16QAM)
LTE Band 5 10 MHz: 9M01G7D(QPSK), 4M69W7D(16QAM)
LTE Band 12 1.4MHz: 1M09G7D(QPSK), 1M08W7D(16QAM)
LTE Band 12 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
LTE Band 12 5MHz: 4M52G7D(QPSK), 4M51W7D(16QAM)
LTE Band 12 10MHz: 9M03G7D(QPSK), 4M69W7D(16QAM)
LTE Band 13 5MHz: 4M52G7D(QPSK), 4M52W7D(16QAM)
LTE Band 13 10 MHz: 8M99G7D(QPSK), 4M63W7D(16QAM)
LTE Band 14 5MHz: 4M52G7D(QPSK), 4M51W7D(16QAM)
LTE Band 14 10 MHz: 9M00G7D(QPSK), 4M65W7D(16QAM)
LTE Band 66 1.4MHz: 1M09G7D(QPSK), 1M08W7D(16QAM)
LTE Band 66 3MHz: 2M69G7D(QPSK), 2M69W7D(16QAM)
LTE Band 66 5MHz: 4M51G7D(QPSK), 4M51W7D(16QAM)
LTE Band 66 10 MHz: 8M99G7D(QPSK), 4M66W7D(16QAM)
LTE Band 66 15MHz: 13M5G7D(QPSK), 4M68W7D(16QAM)
LTE Band 66 20MHz: 18M0G7D(QPSK), 4M84W7D(16QAM)
LTE Band 71 5MHz: 4M51G7D(QPSK), 5M50W7D(16QAM)
LTE Band 71 10 MHz: 9M00G7D(QPSK), 4M67W7D(16QAM)
LTE Band 71 15 MHz: 13M5G7D(QPSK), 4M70W7D(16QAM)
LTE Band 71 20 MHz: 17M9G7D(QPSK), 4M86W7D(16QAM)

4.3 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

Support Band	Test Mode BW(MHz)	Channel Frequency	Channel Number
LTE Band 2	1.4	1850.7 MHz	18607
		1880.0 MHz	18900
		1909.3 MHz	19193
	3	1851.5 MHz	18615
		1880.0 MHz	18900
		1908.5 MHz	19185
	5	1852.5 MHz	18625
		1880.0 MHz	18900
		1907.5 MHz	19175
	10	1855.0 MHz	18650
		1880.0 MHz	18900
		1905.0 MHz	19150
	15	1857.5 MHz	18675
		1880.0 MHz	18900
		1902.5 MHz	19125
LTE Band 5	1.4	1860.0 MHz	18700
		1880.0 MHz	18900
		1900.0 MHz	19100
	3	824.7 MHz	20407
		836.5 MHz	20525
		848.3 MHz	20643
	5	825.5 MHz	20415
		836.5 MHz	20525
		847.5 MHz	20635
	10	826.5 MHz	20425
		836.5 MHz	20525
		846.5 MHz	20625
LTE Band 12	1.4	829.0 MHz	20450
		836.5 MHz	20525
		844.0 MHz	20600
	3	699.7 MHz	23017
		707.5 MHz	23095
		715.3 MHz	23173
	5	700.5 MHz	23025
		707.5 MHz	23095
		714.5 MHz	23165
		701.5 MHz	23035
		707.5 MHz	23095
		707.5 MHz	23095

		713.5 MHz	23155
	10	704.0 MHz	23060
		707.5 MHz	23095
		711.0 MHz	23130
LTE Band 13	5	779.5 MHz	23205
		782.0 MHz	23230
		784.5 MHz	23255
	10	782.0 MHz	23230
LTE Band 14	5	790.5 MHz	23305
		793.0 MHz	23330
		795.5 MHz	23355
	10	793.0 MHz	23330
LTE Band 66	1.4	1701.7MHz	131979
		1745 MHz	132322
		1779.3 MHz	132665
	3	1711.5 MHz	131987
		1745 MHz	132322
		1778.5MHz	132657
	5	1712.5 MHz	131997
		1745 MHz	132322
		1777.5 MHz	132647
	10	1715.0 MHz	132022
		1745 MHz	132322
		1775 MHz	132622
	15	1717.5 MHz	132047
		1745 MHz	132322
		1772.5 MHz	132597
	20	1720.0 MHz	132072
		1745 MHz	132322
		1770 MHz	132572
LTE Band 71	5	665.5 MHz	133147
		680.5 MHz	133297
		695.5 MHz	133447
	10	668 MHz	133172
		680.5MHz	133297
		693 MHz	133422
	15	670.5 MHz	133197
		680.5 MHz	133297
		690.5 MHz	133397
	20	673 MHz	133222
		683 MHz	133322
		688 MHz	133372
Remark: All mode(s) were tested and the worst data was recorded.			

4.4 Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files.

Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration number 523476, September 10, 2019.

5 Test Summary

Test Items	Test Requirement	Result
RF Output Power	2.1046 22.913 (a) 24.232 (c) 27.50(h.2) 27.50(d.4) Part 90.542(a)	PASS*
ERP/EIRP Power	22.913(a) 24.232(c) 27.50(b) 27.50(c) 27.50(d) 27.50(h) Part 90.542(a)	PASS
Peak-to-Average Ratio	24.232 (d) 27.50(d)	PASS*
Bandwidth	2.1049 22.905 22.917 24.238 27.53(a)	PASS*
Spurious Emissions at Antenna Terminal	2.1051 22.917 (a) 24.238 (a) 27.53(h) 27.53(m)(4) Part 90.543(e)	PASS*
Field Strength of Spurious Radiation	2.1053 22.917 (a) 24.238 (a) 27.53(h) 27.53(m)(4) Part 90.543(e)	PASS
Out of band emission	22.917 (a) 24.238 (a) 27.53(h) 27.53(m)(4) Part 90.543(e)	PASS*

Frequency Stability	2.1055	PASS*
	22.355	
	24.235	
	27.5(h)	
	27.54	
Maximum Permissible Exposure (SAR)	1.1307	PASS*
	2.1091	
*: The test result refer to the report (FCC ID: XPYUBX23AD01).		

6 Equipment Used during Test

6.1 Equipments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date	Calibration Due Date
3m Semi-anechoic Chamber for Radiation Emissions 1#						
1	Spectrum Analyzer	R&S	FSP30	100091	2024-04-22	2025-04-21
2	Amplifier	Agilent	8447D	2944A10178	2024-07-18	2025-07-17
3	Tri-log Broadband Antenna	SCHWARZBECK	VULB9163	336	2024-07-21	2025-07-20
4	Coaxial Cable	Top	TYPE16(13M)	-	2024-04-22	2025-04-21
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120D	667	2025-01-17	2026-01-16
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2024-07-18	2025-07-17
7	Broadband Preamplifier	COMPLIANCE	PAP-1G18	2004	2024-07-18	2025-07-17
8	Coaxial Cable	Top	ZT26-NJ-NJ-8M/FA	-	2024-04-22	2025-04-21
9	Microwave Amplifier	SCHWARZBECK	BBV 9721	100472	2024-07-18	2025-07-17
10	Coaxial Cable	Top	ZT40-2.92J-2.92J-2.0M	17100919	2024-04-22	2025-04-21
3m Semi-anechoic Chamber for Radiation Emissions 2#						
1	Test Receiver	R&S	ESCI	101296	2024-04-22	2025-04-21
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2024-11-04	2025-11-03
3	Active Loop Antenna	Com-Power	AL-130R	10160007	2024-04-27	2025-04-26
4	Amplifier	ANRITSU	MH648A	M43381	2024-04-22	2025-04-21
5	Cable	HUBER+SUHNER	CBL2	525178	2024-04-22	2025-04-21
RF Conducted Testing						
1	EMC Analyzer (9k~26.5GHz)	Agilent	E7405A	MY45114943	2024-04-22	2025-04-21
2	Spectrum Analyzer (9k-6GHz)	R&S	FSL6	100959	2024-04-22	2025-04-21
3.	Universal Radio Communication Tester	R&S	CMU 200	121315	2024-04-22	2025-04-21
4	Signal Analyzer (9k~26.5GHz)	Agilent	N9010A	MY50520207	2024-04-22	2025-04-21
5	Universal Radio Communication Tester	R&S	CMW 500	127818	2024-04-22	2025-04-21

Test Software:

Test Item	Software name	Software version
Radiated Emission(3m)	EZ-EMC	EZ-EMC(RA-03A1-1)

6.2 Measurement Uncertainty

Parameter	Uncertainty
Conducted Emission	± 3.64 dB(AC mains 150KHz~30MHz)
Radiated Spurious Emissions	± 5.08 dB (Bilog antenna 30M~1000MHz)
	± 5.47 dB (Horn antenna 1000M~25000MHz)
Radio Frequency	± 1 x 10 ⁻⁷ Hz
RF Power	± 0.42 dB
RF Power Density	± 0.7dB
Conducted Spurious Emissions	± 2.76 dB (9kHz~26500MHz)
Confidence interval: 95%. Confidence factor:k=2	

7 ERP&EIRP

Test Requirement: 22.913(a),24.232(c),27.50(b),27.50(c),27.50(d),27.50(h),Part 90.542(a)

7.1 EUT Operation

Operating Environment :

Temperature: 25.4 °C

Humidity: 52.1 % RH

Atmospheric Pressure: 101.2kPa

7.2 Test Procedure

EIRP(dBm)= average power +antenna gain

Band	Antenna Gain (dBi)	Max average power (dBm)	EIRP (dBm)	Limit (dBm)
LTE B2	4.12	23.17	27.29	33.01
LTE B66	4.12	23.41	27.53	30.00

ERP(dBm)= average power +antenna gain-2.15(db)

Band	Antenna Gain (dBi)	Max average power (dBm)	ERP (dBm)	Limit (dBm)
LTE B5	2.59	23.48	23.92	38.45
LTE B12	2.44	23.97	24.26	34.77
LTE B13	2.44	23.84	24.13	34.77
LTE B14	2.44	23.48	23.77	34.77
LTE B71	0.95	23.78	22.58	34.77

Note: Max average power (dBm) refer to the report FCC ID: XPYUBX23AD01

8 Spurious Radiated Emissions

Test Requirement: 22.913(a),24.232(c),27.50(b),27.50(c),27.50(d),27.50(h),Part 90.542(a)

Test Method: ANSI C63.26:2015
ANSI/TIA-603-E:2016

Test Mode: TX transmitting

8.1 EUT Operation

Operating Environment :

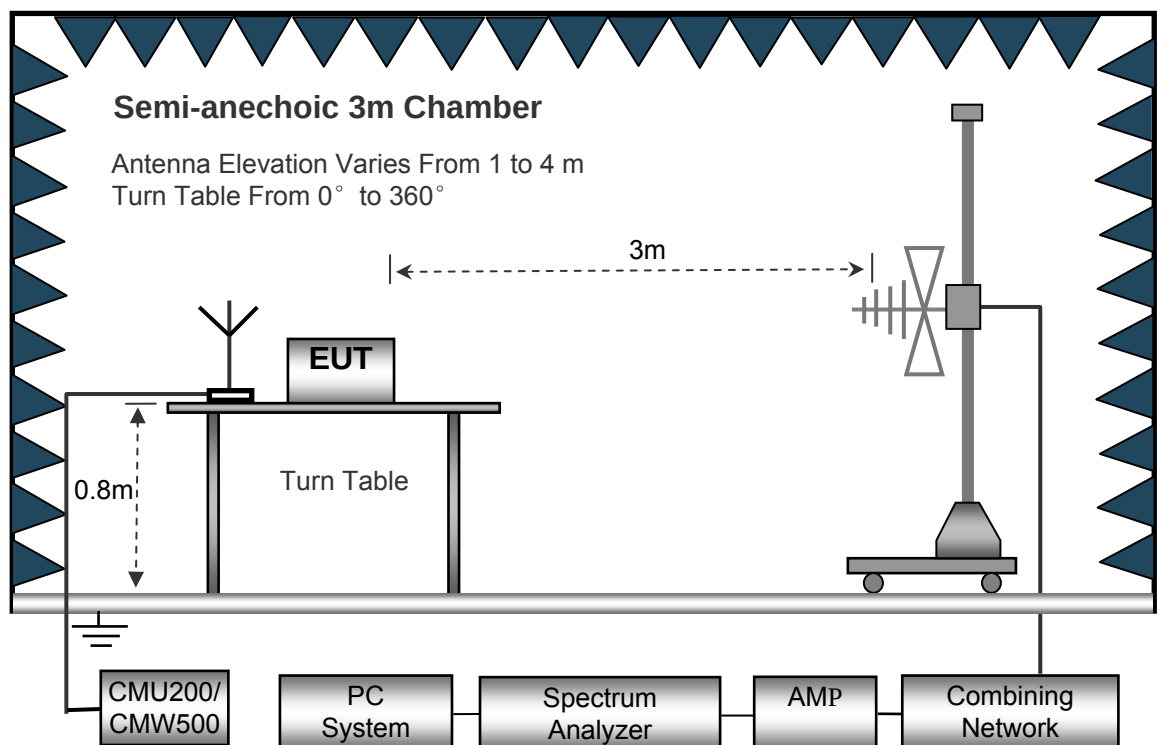
Temperature: 25.8 °C

Humidity: 54.3 % RH

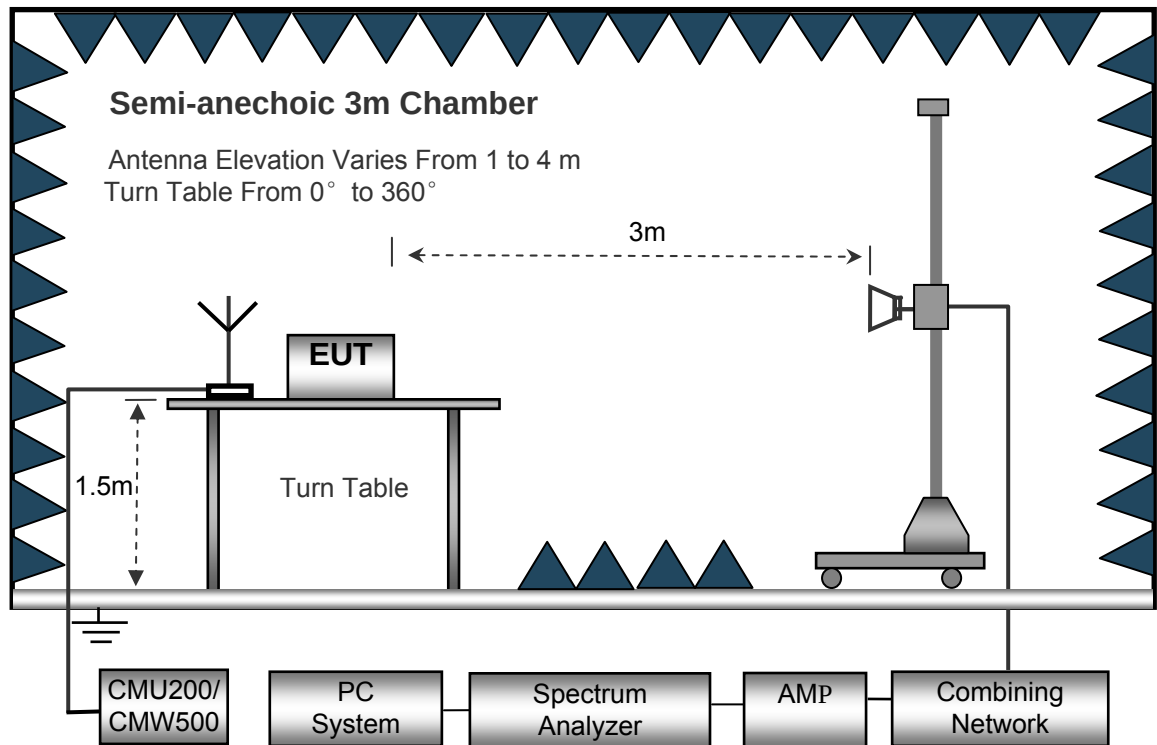
Atmospheric Pressure: 101.1kPa

8.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site.
The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



8.3 Spectrum Analyzer Setup

30MHz ~ 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth..... 100kHz
Video Bandwidth..... 300kHz

Above 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth..... 1MHz
Video Bandwidth..... 3MHz
Detector Ave.
Resolution Bandwidth..... 1MHz
Video Bandwidth..... 10Hz

8.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m for below 1GHz and 1.5m for above 1GHz above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from 30MHz up to the tenth harmonic of the highest fundamental frequency.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the Z position. So the data shown was the Z position only.
7. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg (\text{TXpwr in Watts}/0.001)$ – the absolute level
Spurious attenuation limit in dB = $43 + 10 \lg (\text{power out in Watts})$
8. Repeat above procedures until the measurements for all frequencies are completed.

8.5 Summary of Test Results

Remark: Test performed from 30MHz to 10th harmonics with low/middle/high channels, only the worst data were recorded.

Model RFA-669

LTE Band 2

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 2 Channel 18607										
183.64	54.48	46	1.8	H	-56.03	0.15	0.00	-56.18	-13.00	-43.18
183.64	58.78	241	1.3	V	-48.81	0.15	0.00	-48.96	-13.00	-35.96
3701.40	61.86	66	1.1	H	-49.68	2.37	12.50	-39.55	-13.00	-26.55
3701.40	63.50	308	1.8	V	-46.31	2.37	12.50	-36.18	-13.00	-23.18
5552.10	50.85	48	1.6	H	-58.76	2.86	12.90	-48.72	-13.00	-35.72
5552.10	55.28	307	1.5	V	-53.60	2.86	12.90	-43.56	-13.00	-30.56
LTE BAND 2 Channel 18900										
183.64	53.82	79	2.1	H	-56.69	0.15	0.00	-56.84	-13.00	-43.84
183.64	59.07	86	1.7	V	-48.52	0.15	0.00	-48.67	-13.00	-35.67
3760.00	54.66	352	1.1	H	-56.88	2.37	12.50	-46.75	-13.00	-33.75
3760.00	57.21	164	1.4	V	-52.60	2.37	12.50	-42.47	-13.00	-29.47
5640.00	43.97	334	2.0	H	-65.64	2.86	12.90	-55.60	-13.00	-42.60
5640.00	47.92	296	1.6	V	-60.96	2.86	12.90	-50.92	-13.00	-37.92
LTE BAND 2 Channel 19193										
183.64	54.07	306	2.0	H	-56.44	0.15	0.00	-56.59	-13.00	-43.59
183.64	59.78	24	1.9	V	-47.81	0.15	0.00	-47.96	-13.00	-34.96
3818.60	47.18	58	1.3	H	-63.67	2.37	12.60	-53.44	-13.00	-40.44
3818.60	50.35	207	1.4	V	-58.96	2.37	12.60	-48.73	-13.00	-35.73
5727.90	36.24	14	1.7	H	-73.11	2.86	12.90	-63.07	-13.00	-50.07
5727.90	41.40	45	2.0	V	-67.10	2.86	12.90	-57.06	-13.00	-44.06

LTE Band 5

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 5 Channel 20407										
235.16	59.08	114	1.5	H	-51.43	0.15	0.00	-51.58	-13.00	-38.58
235.16	65.29	250	1.5	V	-42.30	0.15	0.00	-42.45	-13.00	-29.45
1649.40	66.01	145	1.9	H	-47.04	2.34	12.40	-36.98	-13.00	-23.98
1649.40	60.65	196	1.8	V	-50.50	2.34	12.40	-40.44	-13.00	-27.44
2474.10	53.59	72	1.3	H	-55.82	2.79	12.70	-45.91	-13.00	-32.91
2474.10	45.64	291	1.1	V	-63.13	2.79	12.70	-53.22	-13.00	-40.22
LTE BAND 5 Channel 20525										
235.16	60.04	302	1.0	H	-50.47	0.15	0.00	-50.62	-13.00	-37.62
235.16	64.92	255	1.6	V	-42.67	0.15	0.00	-42.82	-13.00	-29.82
1673.00	58.86	52	2.2	H	-54.19	2.37	12.50	-44.06	-13.00	-31.06
1673.00	54.40	178	1.6	V	-56.75	2.37	12.50	-46.62	-13.00	-33.62
2509.50	46.30	288	1.3	H	-63.11	2.79	12.70	-53.20	-13.00	-40.20
2509.50	39.10	68	2.1	V	-69.67	2.79	12.70	-59.76	-13.00	-46.76
LTE BAND 5 Channel 20643										
235.16	60.48	177	1.7	H	-50.03	0.15	0.00	-50.18	-13.00	-37.18
235.16	64.76	205	1.9	V	-42.83	0.15	0.00	-42.98	-13.00	-29.98
1696.60	51.69	87	1.6	H	-60.95	2.37	12.50	-50.82	-13.00	-37.82
1696.60	47.00	339	1.4	V	-63.73	2.37	12.50	-53.60	-13.00	-40.60
2544.90	39.17	115	1.6	H	-70.41	2.81	12.80	-60.42	-13.00	-47.42
2544.90	32.25	276	1.2	V	-76.55	2.81	12.80	-66.56	-13.00	-53.56

LTE Band 12

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 12 Channel 23017										
234.16	60.51	214	1.2	H	-50.00	0.15	0.00	-50.15	-13.00	-37.15
234.16	63.23	172	2.2	V	-44.36	0.15	0.00	-44.51	-13.00	-31.51
1399.40	66.43	327	1.7	H	-46.62	2.34	12.40	-36.56	-13.00	-23.56
1399.40	68.11	320	2.0	V	-43.04	2.34	12.40	-32.98	-13.00	-19.98
2099.10	53.72	70	1.5	H	-55.69	2.79	12.70	-45.78	-13.00	-32.78
2099.10	58.88	237	1.8	V	-49.89	2.79	12.70	-39.98	-13.00	-26.98
LTE BAND 12 Channel 23095										
234.16	60.48	115	1.8	H	-50.03	0.15	0.00	-50.18	-13.00	-37.18
234.16	62.39	255	1.9	V	-45.20	0.15	0.00	-45.35	-13.00	-32.35
1415.00	59.39	88	1.6	H	-53.66	2.37	12.50	-43.53	-13.00	-30.53
1415.00	61.86	176	1.6	V	-49.29	2.37	12.50	-39.16	-13.00	-26.16
2122.50	46.55	234	2.0	H	-62.86	2.79	12.70	-52.95	-13.00	-39.95
2122.50	51.64	146	2.0	V	-57.13	2.79	12.70	-47.22	-13.00	-34.22
LTE BAND 12 Channel 23173										
234.16	59.97	131	1.3	H	-50.54	0.15	0.00	-50.69	-13.00	-37.69
234.16	63.37	280	1.6	V	-44.22	0.15	0.00	-44.37	-13.00	-31.37
1430.60	53.00	308	1.6	H	-59.64	2.37	12.50	-49.51	-13.00	-36.51
1430.60	55.48	207	1.9	V	-55.25	2.37	12.50	-45.12	-13.00	-32.12
2145.90	40.51	121	2.0	H	-69.07	2.81	12.80	-59.08	-13.00	-46.08
2145.90	45.64	358	1.7	V	-63.16	2.81	12.80	-53.17	-13.00	-40.17

LTE Band 13

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 13 Channel 23205										
273.17	60.28	57	1.7	H	-50.23	0.15	0.00	-50.38	-13.00	-37.38
273.17	66.94	218	2.1	V	-40.65	0.15	0.00	-40.80	-13.00	-27.80
1559.00	66.20	60	1.8	H	-50.85	2.34	12.40	-40.79	-13.00	-27.79
1559.00	65.67	276	1.8	V	-45.48	2.34	12.40	-35.42	-13.00	-22.42
2338.50	53.83	247	1.2	H	-55.58	2.79	12.70	-45.67	-13.00	-32.67
2338.50	59.35	215	1.1	V	-49.42	2.79	12.70	-39.51	-13.00	-26.51
LTE BAND 13 Channel 23230										
273.17	60.04	130	1.3	H	-50.47	0.15	0.00	-50.62	-13.00	-37.62
273.17	66.64	82	2.2	V	-40.95	0.15	0.00	-41.10	-13.00	-28.10
1564.00	59.65	130	1.6	H	-53.40	2.37	12.50	-43.27	-13.00	-30.27
1564.00	58.91	102	1.7	V	-52.24	2.37	12.50	-42.11	-13.00	-29.11
2346.00	46.82	77	1.8	H	-62.59	2.79	12.70	-52.68	-13.00	-39.68
2346.00	52.97	340	1.6	V	-55.80	2.79	12.70	-45.89	-13.00	-32.89
LTE BAND 13 Channel 23255										
273.17	59.65	70	1.2	H	-50.86	0.15	0.00	-51.01	-13.00	-38.01
273.17	65.90	26	1.5	V	-41.69	0.15	0.00	-41.84	-13.00	-28.84
1569.00	52.78	2	1.2	H	-59.86	2.37	12.50	-49.73	-13.00	-36.73
1569.00	52.21	130	1.3	V	-58.52	2.37	12.50	-48.39	-13.00	-35.39
2353.50	39.89	111	1.2	H	-69.69	2.81	12.80	-59.70	-13.00	-46.70
2353.50	46.63	232	1.4	V	-62.17	2.81	12.80	-52.18	-13.00	-39.18

LTE Band 14

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 14 Channel 23305										
239.46	61.78	326	1.4	H	-48.73	0.15	0.00	-48.88	-13.00	-35.88
239.46	64.59	95	1.3	V	-43.00	0.15	0.00	-43.15	-13.00	-30.15
1581.00	52.69	86	2.1	H	-64.36	2.34	12.40	-54.30	-40.00	-14.30
1581.00	51.02	74	2.2	V	-60.13	2.34	12.40	-50.07	-40.00	-10.07
2371.50	53.99	55	2.0	H	-55.42	2.79	12.70	-45.51	-13.00	-32.51
2371.50	58.95	360	1.2	V	-49.82	2.79	12.70	-39.91	-13.00	-26.91
LTE BAND 14 Channel 23330										
239.46	61.02	125	1.8	H	-49.49	0.15	0.00	-49.64	-13.00	-36.64
239.46	64.52	340	2.0	V	-43.07	0.15	0.00	-43.22	-13.00	-30.22
1587.00	55.77	129	1.0	H	-57.28	2.37	12.50	-47.15	-40.00	-17.15
1587.00	44.99	328	1.2	V	-66.16	2.37	12.50	-56.03	-40.00	-16.03
2380.50	46.07	308	2.2	H	-63.34	2.79	12.70	-53.43	-13.00	-40.43
2380.50	51.40	202	1.7	V	-57.37	2.79	12.70	-47.46	-13.00	-34.46
LTE BAND 14 Channel 23355										
239.46	61.71	302	1.5	H	-48.80	0.15	0.00	-48.95	-13.00	-35.95
239.46	63.96	301	1.1	V	-43.63	0.15	0.00	-43.78	-13.00	-30.78
1591.00	48.96	16	1.7	H	-63.68	2.37	12.50	-53.55	-40.00	-13.55
1591.00	38.69	147	1.5	V	-72.04	2.37	12.50	-61.91	-40.00	-21.91
2386.50	38.42	312	1.1	H	-71.16	2.81	12.80	-61.17	-13.00	-48.17
2386.50	43.54	77	1.5	V	-65.26	2.81	12.80	-55.27	-13.00	-42.27

LTE Band 66

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 66 Channel 131979										
263.48	55.39	153	1.1	H	-55.12	0.15	0.00	-55.27	-13.00	-42.27
263.48	59.64	353	1.6	V	-47.95	0.15	0.00	-48.10	-13.00	-35.10
1559.00	69.85	199	2.1	H	-47.20	2.34	12.40	-37.14	-13.00	-24.14
1559.00	69.53	234	1.5	V	-41.62	2.34	12.40	-31.56	-13.00	-18.56
2338.50	51.91	70	2.0	H	-57.50	2.79	12.70	-47.59	-13.00	-34.59
2338.50	56.89	139	2.0	V	-51.88	2.79	12.70	-41.97	-13.00	-28.97
LTE BAND 66 Channel 132321										
263.48	55.37	109	1.7	H	-55.14	0.15	0.00	-55.29	-13.00	-42.29
263.48	60.28	288	1.6	V	-47.31	0.15	0.00	-47.46	-13.00	-34.46
1564.00	62.93	331	1.9	H	-50.12	2.37	12.50	-39.99	-13.00	-26.99
1564.00	61.97	242	1.0	V	-49.18	2.37	12.50	-39.05	-13.00	-26.05
2346.00	44.71	355	1.2	H	-64.70	2.79	12.70	-54.79	-13.00	-41.79
2346.00	50.59	184	1.3	V	-58.18	2.79	12.70	-48.27	-13.00	-35.27
LTE BAND 66 Channel 132664										
263.48	56.28	190	1.8	H	-54.23	0.15	0.00	-54.38	-13.00	-41.38
263.48	59.86	21	2.1	V	-47.73	0.15	0.00	-47.88	-13.00	-34.88
1569.00	55.09	354	2.1	H	-57.55	2.37	12.50	-47.42	-13.00	-34.42
1569.00	54.13	15	1.0	V	-56.60	2.37	12.50	-46.47	-13.00	-33.47
2353.50	43.14	158	1.7	H	-66.44	2.81	12.80	-56.45	-13.00	-43.45
2353.50	49.83	199	1.4	V	-58.97	2.81	12.80	-48.98	-13.00	-35.98

LTE Band 71

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 71 Channel 133147										
263.49	65.52	313	1.5	H	-44.99	0.15	0.00	-45.14	-13.00	-32.14
263.49	44.92	75	1.4	V	-62.67	0.15	0.00	-62.82	-13.00	-49.82
1331.00	69.42	5	1.9	H	-47.63	2.34	12.40	-37.57	-13.00	-24.57
1331.00	69.45	151	1.4	V	-41.70	2.34	12.40	-31.64	-13.00	-18.64
1996.50	51.79	213	1.1	H	-57.62	2.79	12.70	-47.71	-13.00	-34.71
1996.50	57.21	140	1.3	V	-51.56	2.79	12.70	-41.65	-13.00	-28.65
LTE BAND 71 Channel 133297										
263.49	65.58	34	1.7	H	-44.93	0.15	0.00	-45.08	-13.00	-32.08
263.49	44.24	158	1.8	V	-63.35	0.15	0.00	-63.50	-13.00	-50.50
1361.00	61.97	324	1.1	H	-51.08	2.37	12.50	-40.95	-13.00	-27.95
1361.00	62.05	133	1.1	V	-49.10	2.37	12.50	-38.97	-13.00	-25.97
2041.50	44.08	144	1.4	H	-65.33	2.79	12.70	-55.42	-13.00	-42.42
2041.50	50.69	89	1.2	V	-58.08	2.79	12.70	-48.17	-13.00	-35.17
LTE BAND 71 Channel 133447										
263.49	66.31	290	1.5	H	-44.20	0.15	0.00	-44.35	-13.00	-31.35
263.49	44.79	338	1.9	V	-62.80	0.15	0.00	-62.95	-13.00	-49.95
1391.00	54.46	131	2.1	H	-58.18	2.37	12.50	-48.05	-13.00	-35.05
1391.00	54.42	331	1.8	V	-56.31	2.37	12.50	-46.18	-13.00	-33.18
2086.50	43.87	198	1.8	H	-65.71	2.81	12.80	-55.72	-13.00	-42.72
2086.50	50.28	183	1.0	V	-58.52	2.81	12.80	-48.53	-13.00	-35.53

Model RIF00-18101

LTE Band 2

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 2 Channel 18607										
186.26	56.28	277	1.4	H	-54.23	0.15	0.00	-54.38	-13.00	-41.38
186.26	59.15	109	1.2	V	-48.44	0.15	0.00	-48.59	-13.00	-35.59
3701.40	61.67	58	2.0	H	-49.87	2.37	12.50	-39.74	-13.00	-26.74
3701.40	63.77	123	1.9	V	-46.04	2.37	12.50	-35.91	-13.00	-22.91
5552.10	51.42	173	1.1	H	-58.19	2.86	12.90	-48.15	-13.00	-35.15
5552.10	54.75	299	1.2	V	-54.13	2.86	12.90	-44.09	-13.00	-31.09
LTE BAND 2 Channel 18900										
186.26	57.14	28	1.8	H	-53.37	0.15	0.00	-53.52	-13.00	-40.52
186.26	58.87	117	1.6	V	-48.72	0.15	0.00	-48.87	-13.00	-35.87
3760.00	55.34	119	1.9	H	-56.20	2.37	12.50	-46.07	-13.00	-33.07
3760.00	57.07	296	1.4	V	-52.74	2.37	12.50	-42.61	-13.00	-29.61
5640.00	43.77	46	1.0	H	-65.84	2.86	12.90	-55.80	-13.00	-42.80
5640.00	47.67	92	1.7	V	-61.21	2.86	12.90	-51.17	-13.00	-38.17
LTE BAND 2 Channel 19193										
186.26	56.84	313	2.0	H	-53.67	0.15	0.00	-53.82	-13.00	-40.82
186.26	58.85	36	1.3	V	-48.74	0.15	0.00	-48.89	-13.00	-35.89
3818.60	49.32	309	1.1	H	-61.53	2.37	12.60	-51.30	-13.00	-38.30
3818.60	49.38	321	1.5	V	-59.93	2.37	12.60	-49.70	-13.00	-36.70
5727.90	36.57	357	1.6	H	-72.78	2.86	12.90	-62.74	-13.00	-49.74
5727.90	40.51	342	1.0	V	-67.99	2.86	12.90	-57.95	-13.00	-44.95

LTE Band 5

frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 5 Channel 20407										
236.92	60.70	252	1.4	H	-49.81	0.15	0.00	-49.96	-13.00	-36.96
236.92	65.82	286	1.5	V	-41.77	0.15	0.00	-41.92	-13.00	-28.92
1649.40	66.80	171	1.8	H	-46.25	2.34	12.40	-36.19	-13.00	-23.19
1649.40	60.09	156	1.8	V	-51.06	2.34	12.40	-41.00	-13.00	-28.00
2474.10	54.06	130	1.7	H	-55.35	2.79	12.70	-45.44	-13.00	-32.44
2474.10	45.06	163	1.6	V	-63.71	2.79	12.70	-53.80	-13.00	-40.80
LTE BAND 5 Channel 20525										
236.92	59.70	250	2.1	H	-50.81	0.15	0.00	-50.96	-13.00	-37.96
236.92	65.89	157	1.2	V	-41.70	0.15	0.00	-41.85	-13.00	-28.85
1673.00	58.94	277	2.2	H	-54.11	2.37	12.50	-43.98	-13.00	-30.98
1673.00	52.28	173	1.8	V	-58.87	2.37	12.50	-48.74	-13.00	-35.74
2509.50	46.69	149	1.9	H	-62.72	2.79	12.70	-52.81	-13.00	-39.81
2509.50	38.48	242	2.0	V	-70.29	2.79	12.70	-60.38	-13.00	-47.38
LTE BAND 5 Channel 20643										
236.92	58.91	32	1.2	H	-51.60	0.15	0.00	-51.75	-13.00	-38.75
236.92	66.51	126	1.3	V	-41.08	0.15	0.00	-41.23	-13.00	-28.23
1696.60	51.89	326	1.2	H	-60.75	2.37	12.50	-50.62	-13.00	-37.62
1696.60	45.61	115	1.7	V	-65.12	2.37	12.50	-54.99	-13.00	-41.99
2544.90	40.07	278	1.7	H	-69.51	2.81	12.80	-59.52	-13.00	-46.52
2544.90	31.26	322	1.1	V	-77.54	2.81	12.80	-67.55	-13.00	-54.55

LTE Band 12

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 12 Channel 23017										
233.64	59.98	247	1.2	H	-50.53	0.15	0.00	-50.68	-13.00	-37.68
233.64	64.72	256	1.6	V	-42.87	0.15	0.00	-43.02	-13.00	-30.02
1399.40	65.99	88	1.8	H	-47.06	2.34	12.40	-37.00	-13.00	-24.00
1399.40	68.81	9	1.1	V	-42.34	2.34	12.40	-32.28	-13.00	-19.28
2099.10	54.14	203	1.7	H	-55.27	2.79	12.70	-45.36	-13.00	-32.36
2099.10	59.52	124	1.9	V	-49.25	2.79	12.70	-39.34	-13.00	-26.34
LTE BAND 12 Channel 23095										
233.64	60.76	276	1.5	H	-49.75	0.15	0.00	-49.90	-13.00	-36.90
233.64	64.45	239	1.6	V	-43.14	0.15	0.00	-43.29	-13.00	-30.29
1415.00	59.43	171	1.9	H	-53.62	2.37	12.50	-43.49	-13.00	-30.49
1415.00	61.72	256	2.2	V	-49.43	2.37	12.50	-39.30	-13.00	-26.30
2122.50	47.93	341	1.3	H	-61.48	2.79	12.70	-51.57	-13.00	-38.57
2122.50	51.99	320	1.2	V	-56.78	2.79	12.70	-46.87	-13.00	-33.87
LTE BAND 12 Channel 23173										
233.64	60.16	249	2.1	H	-50.35	0.15	0.00	-50.50	-13.00	-37.50
233.64	64.40	215	1.7	V	-43.19	0.15	0.00	-43.34	-13.00	-30.34
1430.60	51.73	168	1.2	H	-60.91	2.37	12.50	-50.78	-13.00	-37.78
1430.60	54.16	304	1.6	V	-56.57	2.37	12.50	-46.44	-13.00	-33.44
2145.90	40.50	9	1.5	H	-69.08	2.81	12.80	-59.09	-13.00	-46.09
2145.90	44.07	296	1.6	V	-64.73	2.81	12.80	-54.74	-13.00	-41.74

LTE Band 13

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 13 Channel 23205										
276.19	62.22	258	1.9	H	-48.29	0.15	0.00	-48.44	-13.00	-35.44
276.19	66.56	60	1.1	V	-41.03	0.15	0.00	-41.18	-13.00	-28.18
1559.00	66.12	26	1.4	H	-50.93	2.34	12.40	-40.87	-13.00	-27.87
1559.00	65.07	99	1.7	V	-46.08	2.34	12.40	-36.02	-13.00	-23.02
2338.50	53.99	116	2.0	H	-55.42	2.79	12.70	-45.51	-13.00	-32.51
2338.50	58.79	97	1.3	V	-49.98	2.79	12.70	-40.07	-13.00	-27.07
LTE BAND 13 Channel 23230										
276.19	61.47	323	1.8	H	-49.04	0.15	0.00	-49.19	-13.00	-36.19
276.19	66.23	197	2.0	V	-41.36	0.15	0.00	-41.51	-13.00	-28.51
1564.00	58.45	239	1.8	H	-54.60	2.37	12.50	-44.47	-13.00	-31.47
1564.00	57.31	43	2.1	V	-53.84	2.37	12.50	-43.71	-13.00	-30.71
2346.00	46.84	238	1.7	H	-62.57	2.79	12.70	-52.66	-13.00	-39.66
2346.00	51.28	284	1.4	V	-57.49	2.79	12.70	-47.58	-13.00	-34.58
LTE BAND 13 Channel 23255										
276.19	61.37	177	1.6	H	-49.14	0.15	0.00	-49.29	-13.00	-36.29
276.19	66.38	180	1.8	V	-41.21	0.15	0.00	-41.36	-13.00	-28.36
1569.00	51.13	296	2.1	H	-61.51	2.37	12.50	-51.38	-13.00	-38.38
1569.00	51.18	42	1.8	V	-59.55	2.37	12.50	-49.42	-13.00	-36.42
2353.50	39.55	341	2.1	H	-70.03	2.81	12.80	-60.04	-13.00	-47.04
2353.50	43.60	255	2.2	V	-65.20	2.81	12.80	-55.21	-13.00	-42.21

LTE Band 14

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 14 Channel 23305										
236.61	61.33	355	1.1	H	-49.18	0.15	0.00	-49.33	-13.00	-36.33
236.61	64.50	246	1.7	V	-43.09	0.15	0.00	-43.24	-13.00	-30.24
1581.00	53.26	111	1.5	H	-63.79	2.34	12.40	-53.73	-40.00	-13.73
1581.00	50.36	330	1.8	V	-60.79	2.34	12.40	-50.73	-40.00	-10.73
2371.50	54.45	168	1.0	H	-54.96	2.79	12.70	-45.05	-13.00	-32.05
2371.50	58.78	176	1.7	V	-49.99	2.79	12.70	-40.08	-13.00	-27.08
LTE BAND 14 Channel 23330										
236.61	62.08	216	1.8	H	-48.43	0.15	0.00	-48.58	-13.00	-35.58
236.61	65.47	16	2.1	V	-42.12	0.15	0.00	-42.27	-13.00	-29.27
1587.00	46.69	247	1.1	H	-66.36	2.37	12.50	-56.23	-40.00	-16.23
1587.00	43.48	326	1.4	V	-67.67	2.37	12.50	-57.54	-40.00	-17.54
2380.50	48.39	188	1.2	H	-61.02	2.79	12.70	-51.11	-13.00	-38.11
2380.50	52.38	270	1.5	V	-56.39	2.79	12.70	-46.48	-13.00	-33.48
LTE BAND 14 Channel 23355										
236.61	61.40	283	1.2	H	-49.11	0.15	0.00	-49.26	-13.00	-36.26
236.61	65.04	109	1.8	V	-42.55	0.15	0.00	-42.70	-13.00	-29.70
1591.00	53.19	91	2.1	H	-59.45	2.37	12.50	-49.32	-40.00	-9.32
1591.00	50.55	242	1.2	V	-60.18	2.37	12.50	-50.05	-40.00	-10.05
2386.50	41.28	137	1.3	H	-68.30	2.81	12.80	-58.31	-13.00	-45.31
2386.50	45.49	153	1.6	V	-63.31	2.81	12.80	-53.32	-13.00	-40.32

LTE Band 66

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 66 Channel 131979										
266.99	56.31	145	1.8	H	-54.20	0.15	0.00	-54.35	-13.00	-41.35
266.99	59.93	83	2.1	V	-47.66	0.15	0.00	-47.81	-13.00	-34.81
1559.00	69.22	231	1.9	H	-47.83	2.34	12.40	-37.77	-13.00	-24.77
1559.00	69.03	314	2.0	V	-42.12	2.34	12.40	-32.06	-13.00	-19.06
2338.50	51.96	166	1.3	H	-57.45	2.79	12.70	-47.54	-13.00	-34.54
2338.50	57.10	328	2.1	V	-51.67	2.79	12.70	-41.76	-13.00	-28.76
LTE BAND 66 Channel 132321										
266.99	55.47	75	1.1	H	-55.04	0.15	0.00	-55.19	-13.00	-42.19
266.99	59.55	28	1.9	V	-48.04	0.15	0.00	-48.19	-13.00	-35.19
1564.00	62.23	91	2.1	H	-50.82	2.37	12.50	-40.69	-13.00	-27.69
1564.00	61.10	159	2.1	V	-50.05	2.37	12.50	-39.92	-13.00	-26.92
2346.00	45.52	332	1.1	H	-63.89	2.79	12.70	-53.98	-13.00	-40.98
2346.00	50.75	142	1.7	V	-58.02	2.79	12.70	-48.11	-13.00	-35.11
LTE BAND 66 Channel 132664										
266.99	54.94	115	2.1	H	-55.57	0.15	0.00	-55.72	-13.00	-42.72
266.99	58.90	276	1.3	V	-48.69	0.15	0.00	-48.84	-13.00	-35.84
1569.00	55.44	201	1.6	H	-57.20	2.37	12.50	-47.07	-13.00	-34.07
1569.00	55.01	218	1.1	V	-55.72	2.37	12.50	-45.59	-13.00	-32.59
2353.50	45.02	124	1.1	H	-64.56	2.81	12.80	-54.57	-13.00	-41.57
2353.50	50.29	256	1.8	V	-58.51	2.81	12.80	-48.52	-13.00	-35.52

LTE Band 71

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
LTE BAND 71 Channel 133147										
263.59	65.07	204	1.1	H	-45.44	0.15	0.00	-45.59	-13.00	-32.59
263.59	46.89	275	2.0	V	-60.70	0.15	0.00	-60.85	-13.00	-47.85
1331.00	69.36	245	1.3	H	-47.69	2.34	12.40	-37.63	-13.00	-24.63
1331.00	69.59	242	1.9	V	-41.56	2.34	12.40	-31.50	-13.00	-18.50
1996.50	52.12	16	1.5	H	-57.29	2.79	12.70	-47.38	-13.00	-34.38
1996.50	57.64	110	1.6	V	-51.13	2.79	12.70	-41.22	-13.00	-28.22
LTE BAND 71 Channel 133297										
263.59	64.25	281	1.3	H	-46.26	0.15	0.00	-46.41	-13.00	-33.41
263.59	47.44	144	2.1	V	-60.15	0.15	0.00	-60.30	-13.00	-47.30
1361.00	61.45	218	1.7	H	-51.60	2.37	12.50	-41.47	-13.00	-28.47
1361.00	63.31	30	1.7	V	-47.84	2.37	12.50	-37.71	-13.00	-24.71
2041.50	45.92	199	1.2	H	-63.49	2.79	12.70	-53.58	-13.00	-40.58
2041.50	51.20	256	1.2	V	-57.57	2.79	12.70	-47.66	-13.00	-34.66
LTE BAND 71 Channel 133447										
263.59	65.14	349	2.0	H	-45.37	0.15	0.00	-45.52	-13.00	-32.52
263.59	47.35	297	1.8	V	-60.24	0.15	0.00	-60.39	-13.00	-47.39
1391.00	54.20	66	2.0	H	-58.44	2.37	12.50	-48.31	-13.00	-35.31
1391.00	57.05	83	1.5	V	-53.68	2.37	12.50	-43.55	-13.00	-30.55
2086.50	44.29	131	1.4	H	-65.29	2.81	12.80	-55.30	-13.00	-42.30
2086.50	49.88	326	1.1	V	-58.92	2.81	12.80	-48.93	-13.00	-35.93

Note: 1) Absolute Level = SG Level - Cable loss + Antenna Gain

2) Margin = Absolute Level - Limit

9 RF Exposure

Remark: Please refer to RF exposure report: WTD25D02032206W003.

10 Photographs of test setup and EUT.

Note: Please refer to Appendix- RFA-669 and RIF00-18101-Photos.

===== End of Report =====