



Telit Communications S.p.A.

LN920A6-NA (FCC ID RI7LN920NA) (IC ID 5131A-LN920NA)

FCC 22H:2026, FCC 24E:2026, FCC 27:2026, FCC 90

RSS-130 Issue 2:2019, RSS-132 Issue 4:2023

RSS-133 Issue 7:2024, RSS-139 Issue 4:2022

RSS-195 Issue 3:2026, RSS-199 Issue 4:2023

RSS-Gen Issue 5:2018+A1:2019+A2:2021

Cellular

Report: PCTE0094.0 Rev. 01, Issue Date: May 12, 2026



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CERTIFICATE OF TEST

Last Date of Test: April 10, 2026
Telit Communications S.p.A.
EUT: LN920A6-NA (FCC ID RI7LN920NA)

Radio Equipment Testing

Standards

Specification	Method
FCC 22H:2026	ANSI C63.26:2015
FCC 24E:2026	
FCC 27:2026	
FCC 90	
RSS-130 Issue 2:2019	
RSS-132 Issue 4:2023	
RSS-133 Issue 7:2024	
RSS-139 Issue 4:2022	
RSS-195 Issue 3:2026	
RSS-199 Issue 4:2023	
RSS-Gen Issue 5:2018+A1:2019+A2:2021	

Results

Test Description	Result	FCC Section(s)	RSS Section(s)	ANSI C63.26 Section(s)	Comments
Conducted Output Power	Pass	2.1046	RSS-130 – 4.6, RSS-132 – 5.4, RSS-133 – 5.5, RSS-139 – 5.5, RSS-195 – 5.6, RSS-199 – 5.5	5.2.4.2	
Frequency Stability	N/A	2.1055, 22.355, 24.235, 27.54	RSS-130 – 4.5, RSS-132 – 5.3, RSS-133 – 5.4, RSS-139 – 5.4, RSS-195 – 5.5, RSS-199 – 5.4	5.6	Not included for a C2PC based on component changes
Occupied Bandwidth Emission Mask	N/A	2.1049, 22.917, 24.238, 27.53	RSS-130 – 3.3, RSS-132 – 3.4, RSS-133 – 3.4, RSS-139 – 3.4, RSS-195 – 3.4, RSS-199 – 3.4	5.4	Not included for a C2PC based on component changes
Out of Band Emissions - LTE Band 2 25	Pass	2.1053, 24.238	N/A	5.5	
Out of Band Emissions - LTE Band 4 66	Pass	2.1053, 27.53(h)	N/A	5.5	

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

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Out of Band Emissions - LTE Band 5 26	Pass	2.1053, 22.917	N/A	5.5	
Out of Band Emissions - LTE Band 7	Pass	2.1053, 27.53(m)(4,6)	N/A	5.5	
Out of Band Emissions - LTE Band 12	Pass	2.1053, 27.53 (g)	N/A	5.5	
Out of Band Emissions - LTE Band 13	Pass	2.1053, 27.53 (c)	N/A	5.5	
Out of Band Emissions - LTE Band 29	N/A	N/A	N/A	N/A	Not required as this is an uplink band only.
Out of Band Emissions - LTE Band 30	Pass	2.1053, 27.53(a)(4)	N/A	5.5	
Out of Band Emissions - LTE Band 41	Pass	2.1053, 27.53(m)(4,6)	N/A	5.5	
Spurious Emissions at the Antenna Terminals	N/A	2.1051	RSS-130 – 4.7, RSS-132 – 5.5, RSS-133 – 5.6, RSS-139 – 5.6, RSS-195 – 5.7, RSS-199 – 5.6	5.7	Not included for a C2PC based on component changes
EIRP of the Fundamental - LTE Band 2 25	Pass	2.1053(a), 24.232(c), 24.229(c)	N/A	5.2.7	
EIRP of the Fundamental - LTE Band 4 66	Pass	2.1053(a), 27.50(d)(4)	N/A	5.2.7	
ERP of the Fundamental - LTE Band 5 26	Pass	2.1053(a), 22.913(a), 90.635(b)	N/A	5.2.7	
ERP of the Fundamental - LTE Band 7	Pass	2.1053(a), 27.50(h)(2)	N/A	5.2.7	
ERP of the Fundamental - LTE Band 12	Pass	2.1053(a), 27.50(c)(10)	N/A	5.2.7	
ERP of the Fundamental - LTE Band 13	Pass	2.1053(a), 27.50(b)(10)	N/A	5.2.7	
ERP of the Fundamental - LTE Band 29	N/A	2.1053(a), 27.50(c)(12)	N/A	N/A	
ERP of the Fundamental - LTE Band 30	Pass	2.1053(a), 27.50(a)(3)	N/A	5.2.7	
ERP of the Fundamental - LTE Band 41	Pass	2.1053(a), 27.50(h)(2)	N/A	5.2.7	

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Powerline Conducted Emissions	N/A	N/A	RSS-130 – 3.3, RSS-132 – 3.4, RSS-133 – 3.4, RSS-139 – 3.4, RSS-195 – 3.4, RSS-199 – 3.4	6.2	Not required. Receiver requirements only apply to standalone receivers operating in the 30-960 MHz band.
Receiver Spurious Emissions	N/A	N/A	N/A	5.5	Not required. Receiver requirements only apply to standalone receivers operating in the 30-960 MHz band.

Deviations From Test Standards

None

Approved By:

Brian Fahey, Certification Engineer
Signed for and on behalf of Element

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REVISION HISTORY



Revision Number	Description	Date (yyyy-mm-dd)	Page Number
01	Updated RSS Sections	2026-05-07	3, 4, 5

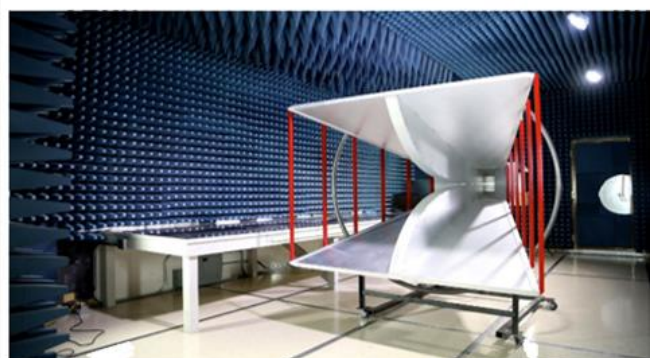
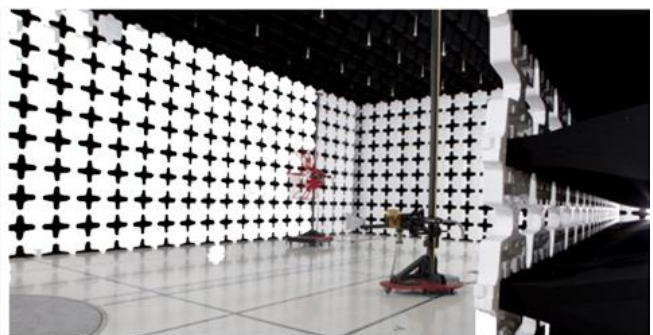
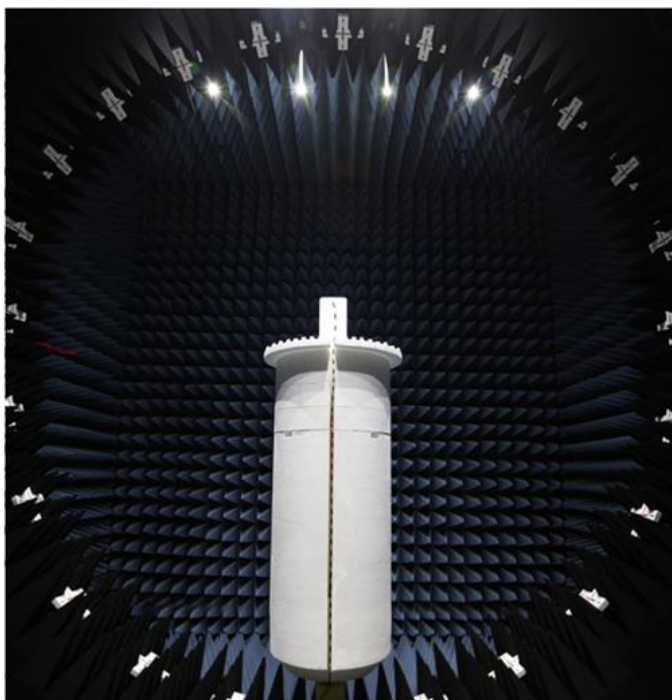
FACILITIES

Testing was performed at the following location(s)

	Location	Labs ⁽¹⁾	Address	A2LA ⁽²⁾	ISED ⁽³⁾	BSMI ⁽⁴⁾	VCCI ⁽⁵⁾	CAB	FDA ⁽⁶⁾
☒	California	OC01-17	41 Tesla Irvine, CA 92618 (949) 861-8918	3310.04	2834B	SL2-IN-E-1154R	A-0029	US0158	TL-55
☐	Minnesota	MN01-11	9349 W Broadway Ave. Brooklyn Park, MN 55445 (612) 638-5136	3310.05	2834E	SL2-IN-E-1152R	A-0109	US0175	TL-57
☐	Oregon	EV01-12	6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	3310.02	2834D	SL2-IN-E-1017	A-0108	US0017	TL-56
☐	Washington	NC01-05	19201 120th Ave NE Bothell, WA 98011 (425) 984-6600	3310.06	2834F	SL2-IN-E-1153R	A-0110	US0157	TL-67
☐	Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- (1) The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
- (2) A2LA Certificate No.
- (3) ISED Company No.
- (4) BSMI No.
- (5) VCCI Site Filing No.
- (6) FDA ASCA No.



MEASUREMENT UNCERTAINTY

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation reported is based on statistical analysis that was performed by the laboratory. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty ($k=2$) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable) and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Various Measurements

Test	All Labs (+/-)
Frequency Accuracy (%)	0.0007
Amplitude Accuracy (dB)	1.2
Conducted Power (dB)	1.2
Radiated Power via Substitution (dB)	0.7
Temperature (degrees C)	0.7
Humidity (% RH)	2.5
Voltage (AC) (%)	1
Voltage (DC) (%)	0.7
Near-field Measurement of E-Field (dB)	1.89
Near-field Measurement of H-Field (dB)	2.65

Field Strength Measurements (dB)

Range	OC10 (+/-)
9kHz-30MHz	1.8
30MHz-1GHz 3m	4.6
1GHz-6GHz	5
6GHz-40GHz	5.1
40GHz-220GHz	4.9

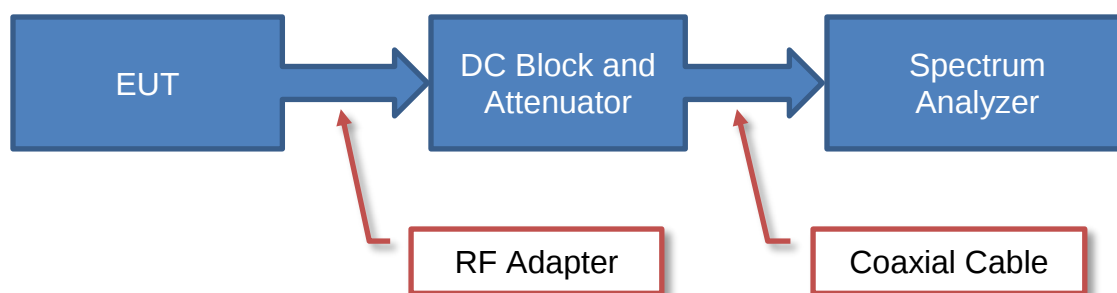
TEST SETUP BLOCK DIAGRAMS

Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

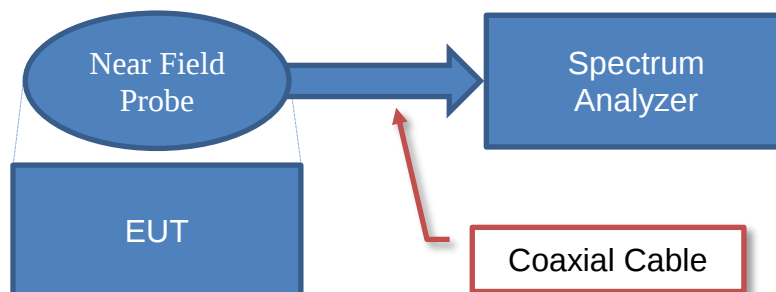
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

Measured Value		Measured Level		Reference Level Offset
71.2	=	42.6	+	28.6

Near Field Test Fixture Measurements

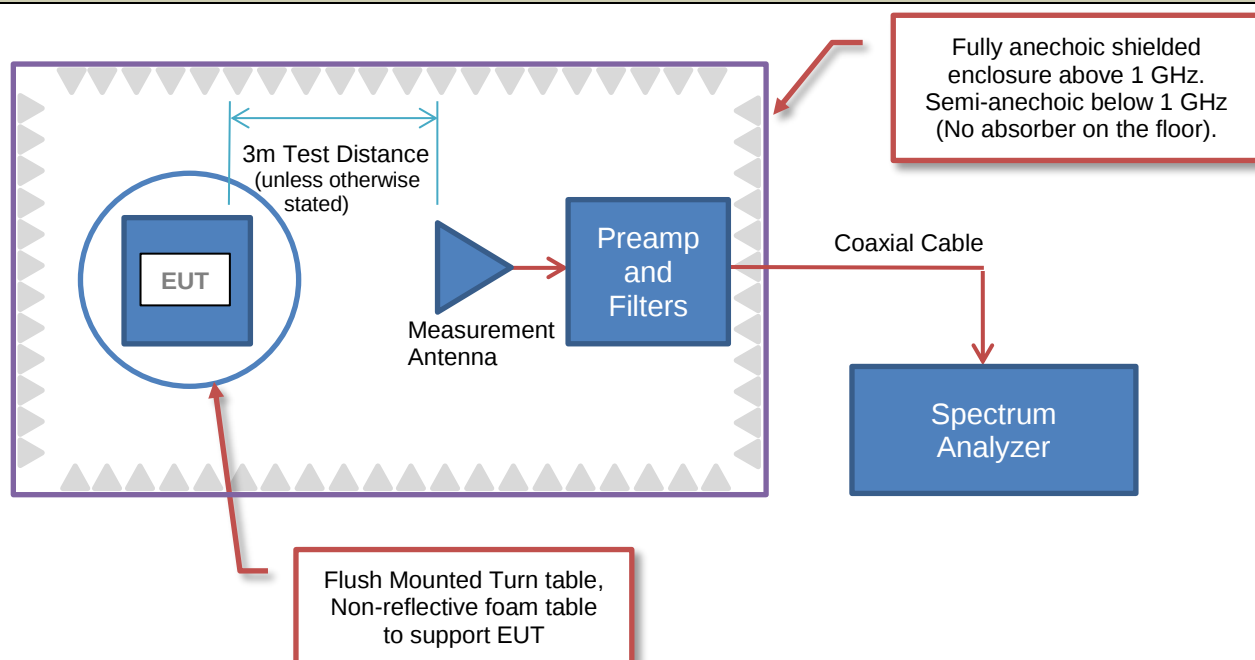


Sample Calculation (logarithmic units)

Measured Value		Measured Level		Reference Level Offset
71.2	=	42.6	+	28.6

TEST SETUP BLOCK DIAGRAMS

Emissions Measurements



Sample Calculation (logarithmic units)

Radiated Emissions:

Measured Level (Amplitude)	Factor			Distance Adjustment Factor	External Attenuation	Field Strength
	Antenna Factor	Cable Factor	Amplifier Gain			
42.6	28.6	3.1	40.8	0.0	0.0	33.5

Conducted Emissions:

Measured Level (Amplitude)	Factor		External Attenuation	Adjusted Level
	Transducer Factor	Cable Factor		
26.7	0.3	0.1	20.0	47.1

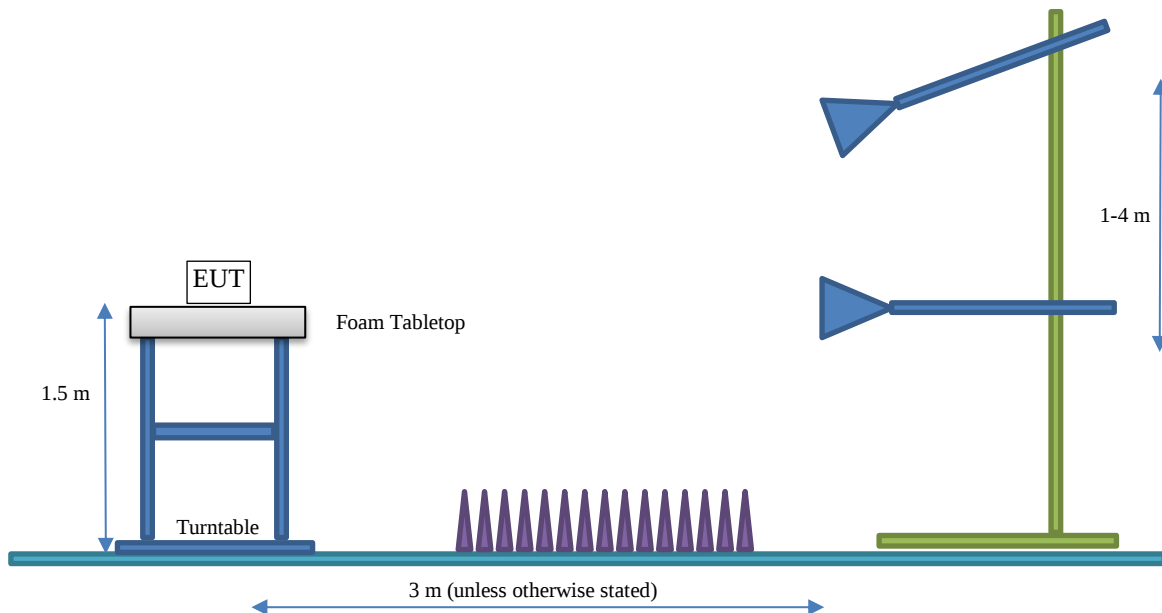
Radiated Power (ERP/EIRP) – Substitution Method:

Measured Level into Substitution Antenna (Amplitude dBm)	Substitution Antenna Factor (dBi)	EIRP to ERP (if applicable)	Measured power (dBm ERP/EIRP)
10.0	6.0	2.15	13.9/16.0

TEST SETUP BLOCK DIAGRAMS

Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



PRODUCT DESCRIPTION

Client and Equipment under Test (EUT) Information

Company Name:	Telit Communications S.p.A.
Address:	Viale Stazione di Prosecco 5/bTrieste
City, State, Zip:	Sgonico 34010 Italy
Test Requested By:	Paolomaria Schiratti
EUT:	LN920A6-NA (FCC ID RI7LN920NA)
Firmware Version:	M0L.031005
Hardware Version:	1.30
First Date of Test:	February 25, 2026
Last Date of Test:	April 10, 2026
Receipt Date of Samples:	February 25, 2026
Equipment Design Stage:	Prototype
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Cellular modem supporting bands 2, 4, 5, 7, 12, 13, 25, 26, 29, 30, 41, 66
Testing Objective:
To demonstrate compliance of the Cellular radio to FCC and ISED requirements

CONFIGURATIONS

Configuration PCTE0094-1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Telit LN920A6-NA	Telit Communications S.p.A.	LN920A6-NA	IMEI: 351363120164568

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Transition Board (TLB)	Telit Communications S.p.A.	2429-587585	N/A
Interface Board (IFBD)	Telit Communications S.p.A.	2431-587588	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Power Cable	No	1.5 m	No	Interface Board	DC Power

MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2026-02-25	Out of Band Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2026-02-27	Out of Band Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2026-04-09	Conducted Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2026-04-10	Out of Band Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

POWER SETTINGS AND ANTENNAS



The antenna gain value(s) and cable loss (if applicable) used for the testing contained in this report were provided by the customer and will affect the validity of the results. Element assumes no responsibility for the accuracy of this information. The power settings below reflect the maximum power that the EUT is allowed to transmit at during normal operation.

ANTENNA GAIN (dBi)

Type	Model No.	Manufacturer:	Frequency Range (MHz)
Monopole	TG.55.8113	Taoglas	600 - 6000

Band	UL Frequency Range (MHz)	DL Frequency Range (MHz)	Peak Antenna Gain (dBi)
LTE B2	1850-1910	1930-1990	3.05
LTE B4	1710-1755	2110-2155	3.4
LTE B5	824-849	869-894	3.2
LTE B7	2500-2570	2620-2690	3.12
LTE B12	699-716	729-746	2.51
LTE B13	777-787	746-756	2.51
LTE B25	1850-1915	1930-1995	3.05
LTE B26	824-849	859-894	2.51
LTE B26 (Part 90)	814-824	859-894	3.2
LTE B30	2305-2315	2350-2360	3.12
LTE B41	2496-2690	2496-2690	3.12
LTE B66	1710-1780	2110-2200	3.4

The EUT was tested using the power settings provided by the manufacturer which were based upon:

- ☒ Test software settings Software / firmware used for testing: Firmware M0L.031005
☐ Rated power settings

INSERTION LOSS OF RF CABLE

The RF cable of TLB has insertion loss according to frequency.

Band	Peak Antenna Gain (dBi)
600 ~ 1000	0.2
1400 ~ 2200	0.3
2300 ~ 2700	0.5
3400 ~ 3700	0.6
5000 ~ 6000	0.8

CONDUCTED OUTPUT POWER

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a RF Power Sensor capable of 1 million samples per second, which only measures across the high time of the burst of the carrier. The measured level was offset by the cable loss, attenuator, and directional coupler that was used between the power sensor and EUT. This offset was determined prior to testing using a signal generator and spectrum analyzer.

The RF output power was measured with the EUT set to the channels and modes called out in the data sheets.

The observed duty cycle was noted but not needed to calculate the EIRP.

$EIRP = \text{Max Measured Power} + \text{Antenna gain (dBi)}$

$ERP = \text{Max Measured Power} + \text{Antenna gain (dBi)} - 2.15$

The measurements were made under normal test.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E8257D	TGU	2023-11-08	2026-11-08
Cellular Base Station Simulator	Anritsu	MT8000A	BSZ	NCR	NCR
Meter - Power	ETS-Lindgren	7002-008	SRU	2025-09-10	2026-09-10
Analyzer - Spectrum Analyzer	Agilent	E4443A	AAR	2024-11-07	2026-11-07
Cable	Micro-Coax	UFD150A-1-0720-200200	OCA	2025-10-21	2026-10-21
Attenuator	Fairview Microwave	SA18E-10	TKT	2025-12-08	2026-12-08
Power Supply	Tekpower	TP3005P	TSP	NCR	NCR
Directional Coupler	Fairview Microwave	MC2047-10	RHY	2026-03-25	2027-03-25

CONDUCTED OUTPUT POWER

EUT:	LN920A6-NA (FCC ID R17LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-04-20
Customer:	Element Materials Technology Washington DC, LLC	Temperature:	22.8°C
Attendees:	None	Relative Humidity:	54.4%
Customer Project:	None	Bar. Pressure (PMSL):	1012 mbar
Tested By:	Nolan De Ramos	Job Site:	OC13
Power:	3.3 VDC	Configuration:	PCTE0094-1

COMMENTS

Only screen captures for band/ch which transmits less than 100% duty cycle are shown.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



Tested By

TEST RESULTS

	Avg Cond Pwr (dBm)	Duty Cycle (%)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Results
B2 - Mid Ch, 1880 MHz						
1.4 MHz BW, 1RB, pos.3	23.05	100	3.05	26.1	33	Pass
3 MHz BW, 1RB, pos.8	23.02	100	3.05	26.1	33	Pass
5 MHz BW, 1RB, pos.13	23.10	100	3.05	26.2	33	Pass
10 MHz BW, 1RB, pos.25	23.01	100	3.05	26.1	33	Pass
15 MHz BW, 1RB, pos.38	23.05	100	3.05	26.1	33	Pass
20 MHz BW, 1RB, pos.50	23.05	100	3.05	26.1	33	Pass
B4 - Mid Ch, 1732.5 MHz						
1.4 MHz BW, 1RB, pos.3	23.04	100	3.40	26.4	30	Pass
3 MHz BW, 1RB, pos.8	23.03	100	3.40	26.4	30	Pass
5 MHz BW, 1RB, pos.13	23.12	100	3.40	26.5	30	Pass
10 MHz BW, 1RB, pos.25	23.04	100	3.40	26.4	30	Pass
15 MHz BW, 1RB, pos.38	23.06	100	3.40	26.5	30	Pass
20 MHz BW, 1RB, pos.50	23.04	100	3.40	26.4	30	Pass
B7 - Mid Ch, 2535 MHz						
5 MHz BW, 1RB, pos.13	22.73	100	3.12	25.9	33	Pass
10 MHz BW, 1RB, pos.25	22.67	100	3.12	25.8	33	Pass
15 MHz BW, 1RB, pos.38	22.71	100	3.12	25.8	33	Pass
20 MHz BW, 1RB, pos.50	22.65	100	3.12	25.8	33	Pass
B25 - Mid Ch, 1882.5 MHz						
1.4 MHz BW, 1RB, pos.3	22.97	100	3.05	26.0	33	Pass
3 MHz BW, 1RB, pos.8	23.04	100	3.05	26.1	33	Pass
5 MHz BW, 1RB, pos.13	23.11	100	3.05	26.2	33	Pass
10 MHz BW, 1RB, pos.25	23.03	100	3.05	26.1	33	Pass

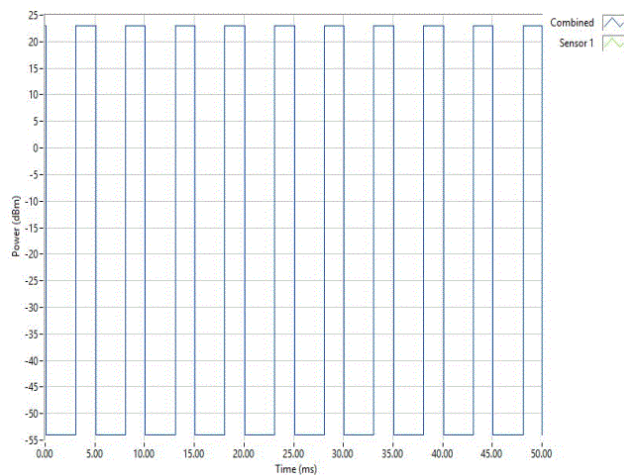
CONDUCTED OUTPUT POWER

	Avg Cond Pwr (dBm)	Duty Cycle (%)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Results
15 MHz BW, 1RB, pos.38	23.04	100	3.05	26.1	33	Pass
20 MHz BW, 1RB, pos.50	23.04	100	3.05	26.1	33	Pass
B30 - Mid Ch, 2310 MHz						
5 MHz BW, 1RB, pos.13	20.49	100	3.12	23.6	24	Pass
10 MHz BW, 1RB, pos.25	20.41	100	3.12	23.5	24	Pass
B41 - Mid Ch, 2593 MHz						
5 MHz BW, 1RB, pos.13	23.06	39.974	3.12	26.2	33	Pass
10 MHz BW, 1RB, pos.25	23.02	39.976	3.12	26.1	33	Pass
15 MHz BW, 1RB, pos.38	22.97	39.974	3.12	26.1	33	Pass
20 MHz BW, 1RB, pos.50	22.97	39.975	3.12	26.1	33	Pass
B41 - Mid Ch, 2593 MHz (HPUE)						
5 MHz BW, 1RB, pos.13	26.05	39.978	3.12	29.2	33	Pass
10 MHz BW, 1RB, pos.25	26.05	39.978	3.12	29.2	33	Pass
15 MHz BW, 1RB, pos.38	25.98	39.977	3.12	29.1	33	Pass
20 MHz BW, 1RB, pos.50	25.97	39.975	3.12	29.1	33	Pass
B66 - Mid Ch, 1745 MHz						
1.4 MHz BW, 1RB, pos.3	23.00	100	3.40	26.4	30	Pass
3 MHz BW, 1RB, pos.8	23.00	100	3.40	26.4	30	Pass
5 MHz BW, 1RB, pos.13	23.09	100	3.40	26.5	30	Pass
10 MHz BW, 1RB, pos.25	23.03	100	3.40	26.4	30	Pass
15 MHz BW, 1RB, pos.38	23.05	100	3.40	26.5	30	Pass
20 MHz BW, 1RB, pos.50	23.04	100	3.40	26.4	30	Pass

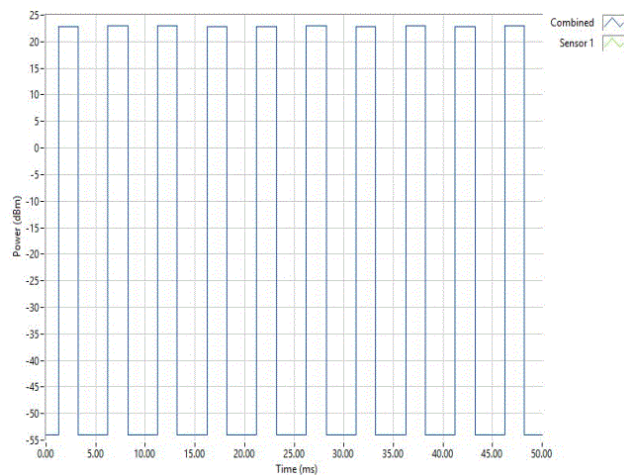
CONDUCTED OUTPUT POWER

	Avg Cond Pwr (dBm)	Duty Cycle (%)	Antenna Gain (dBi)	ERP (dBm)	Limit (dBm)	Results
B5 - Mid Ch, 836.5 MHz						
1.4 MHz BW, 1RB, pos.3	23.01	100	3.20	24.1	38.5	Pass
3 MHz BW, 1RB, pos.8	22.99	100	3.20	24.0	38.5	Pass
5 MHz BW, 1RB, pos.13	23.07	100	3.20	24.1	38.5	Pass
10 MHz BW, 1RB, pos.25	22.98	100	3.20	24.0	38.5	Pass
B12 - Mid Ch, 707.5 MHz						
1.4 MHz BW, 1RB, pos.3	22.84	100	2.51	23.2	34.77	Pass
3 MHz BW, 1RB, pos.8	22.82	100	2.51	23.2	34.77	Pass
5 MHz BW, 1RB, pos.13	22.88	100	2.51	23.2	34.77	Pass
10 MHz BW, 1RB, pos.25	22.83	100	2.51	23.2	34.77	Pass
B13 - Mid Ch. 782 MHz						
5 MHz BW, 1RB, pos.13	22.96	100	2.51	23.3	34.77	Pass
10 MHz BW, 1RB, pos.25	22.93	100	2.51	23.3	34.77	Pass
B26 - Mid Ch, 831.5 MHz						
1.4 MHz BW, 1RB, pos.3	22.88	100	2.51	23.2	38.45	Pass
3 MHz BW, 1RB, pos.8	22.89	100	2.51	23.3	38.45	Pass
5 MHz BW, 1RB, pos.13	22.95	100	2.51	23.3	38.45	Pass
10 MHz BW, 1RB, pos.25	22.91	100	2.51	23.3	38.45	Pass
15 MHz BW, 1RB, pos.38	22.90	100	2.51	23.3	38.45	Pass

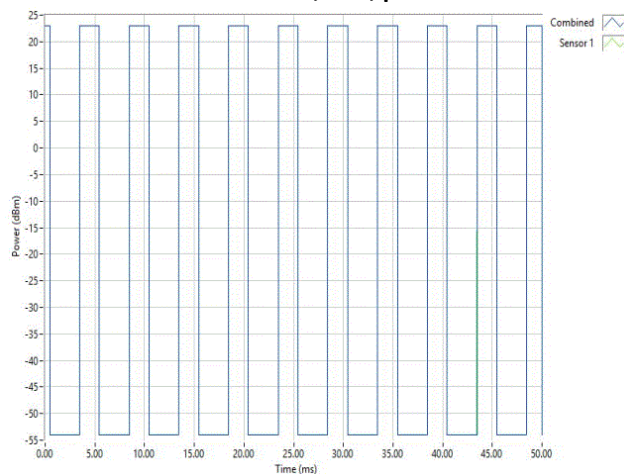
CONDUCTED OUTPUT POWER



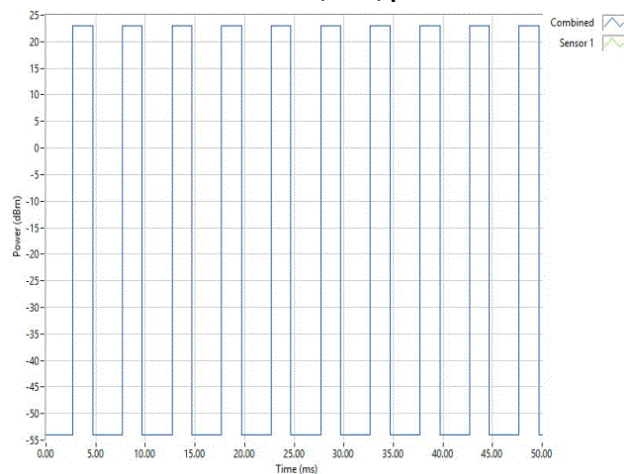
**B41 - Mid Ch, 2593 MHz
5 MHz BW, 1RB, pos.13**



**B41 - Mid Ch, 2593 MHz
10 MHz BW, 1RB, pos.25**

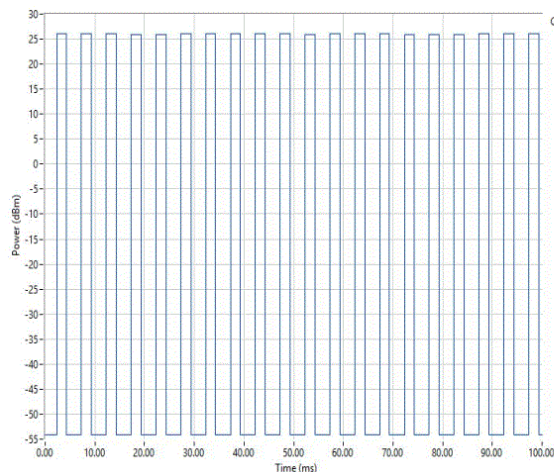


**B41 - Mid Ch, 2593 MHz
15 MHz BW, 1RB, pos.38**

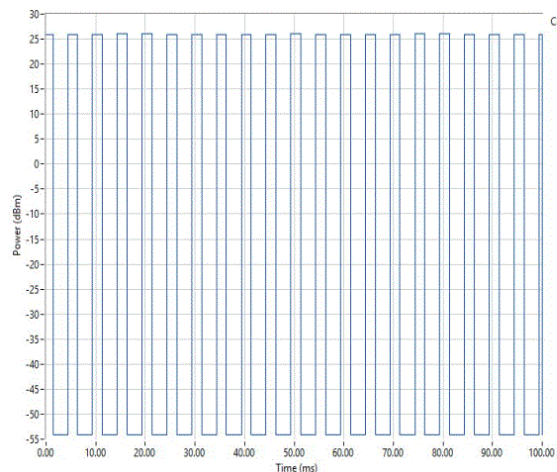


**B41 - Mid Ch, 2593 MHz
20 MHz BW, 1RB, pos.50**

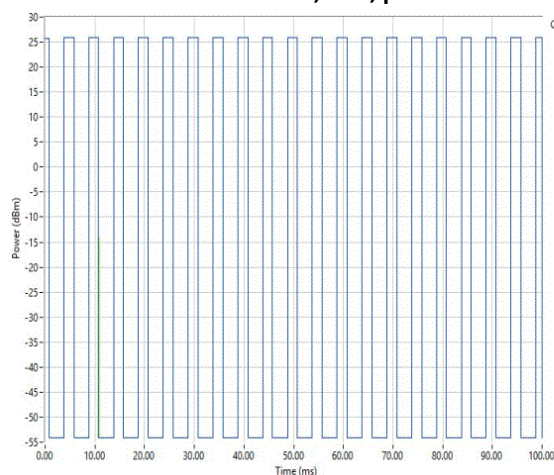
CONDUCTED OUTPUT POWER



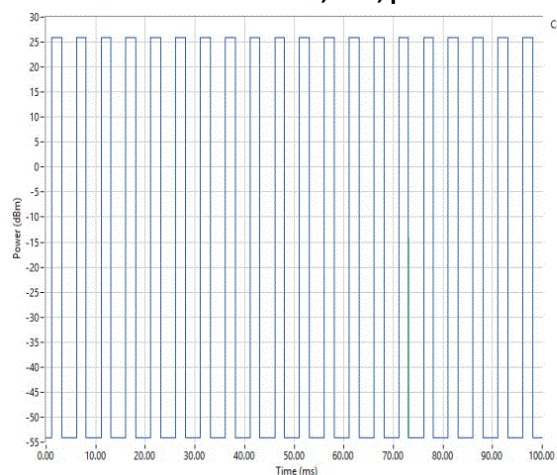
B41 - Mid Ch, 2593 MHz (HPUE)
5 MHz BW, 1RB, pos.13



B41 - Mid Ch, 2593 MHz (HPUE)
10 MHz BW, 1RB, pos.25



B41 - Mid Ch, 2593 MHz (HPUE)
15 MHz BW, 1RB, pos.38



B41 - Mid Ch, 2593 MHz (HPUE)
20 MHz BW, 1RB, pos.50

OUT OF BAND EMISSIONS

TEST DESCRIPTION

At an approved test site, the transmitter was placed on a remotely controlled turntable, and the measurement antenna was placed 3 meters from the transmitter. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes. The turntable azimuth was varied to maximize the level of spurious emissions. The height of the measurement antenna was also varied from 1 to 4 meters. A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity. The amplitude and frequency of the highest emissions was noted.

The transmitter was then replaced with a $\frac{1}{2}$ wave dipole that was successively tuned to each of the highest spurious emissions for emissions below 1 GHz, and a horn antenna for emissions above 1 GHz. A signal generator was connected to the dipole (horn antenna for frequencies above 1 GHz), and its output was adjusted to match the level previously noted for each frequency. The output of the signal generator was recorded, and by factoring in the cable loss to the antenna and its gain, the power (dBm) was determined for each radiated spurious emission.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIR	2024-07-23	2026-07-23
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	2025-04-30	2026-04-30
Amplifier - Pre-Amplifier	Cernex	CBL01084020-xx	PAX	2025-04-30	2026-04-30
Attenuator	Fairview Microwave	SA18H-20	TKQ	2025-05-01	2026-05-01
Filter - High Pass	Micro-Tronics	HPM50111	HHX	2025-04-30	2026-04-30
Antenna - Standard Gain	ETS Lindgren	3160-07	AHR	2025-12-02	2026-12-02
Cable	Northwest EMC	8-18GHz RE Cables	OCO	2025-03-18	2026-03-18
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	2025-03-18	2026-03-18
Antenna - Standard Gain	ETS Lindgren	3160-08	AHT	2025-12-02	2026-12-02
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOF	2025-03-18	2026-03-18
Filter - High Pass	Micro-Tronics	HPM50108	HHW	2025-05-01	2026-05-01
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	2025-03-03	2026-03-03

FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

POWER INVESTIGATED

3.3 VDC

CONFIGURATIONS INVESTIGATED

PCTE0094-1

MODES INVESTIGATED

Connected to callbox via 4G LTE B2, uplink mid ch, 1880 MHz, bandwidths: 1.4, 5, and 20 MHz
Connected to callbox via 4G LTE B4, uplink mid ch, 1732.5 MHz, bandwidths: 1.4 and 20 MHz
Connected to callbox via 4G LTE B5, uplink mid ch, 836.5 MHz, bandwidths: 1.4 and 10 MHz
Connected to callbox via 4G LTE B7, uplink mid ch, 2535 MHz, bandwidths: 5 and 20 MHz
Connected to callbox via 4G LTE B12, uplink mid ch, 707.5 MHz, bandwidths: 1.4 and 10 MHz
Connected to callbox via 4G LTE B13, uplink mid ch, 782 MHz, bandwidths: 5 and 10 MHz
Connected to callbox via 4G LTE B25, uplink mid ch, 1882.5 MHz, bandwidths: 1.4 and 20 MHz
Connected to callbox via 4G LTE B26, uplink mid ch, 831.5 MHz, bandwidths: 1.4 and 15 MHz
Connected to callbox via 4G LTE B30, uplink mid ch, 2310 MHz, bandwidths: 5 and 10 MHz
Connected to callbox via 4G LTE B41, uplink mid ch, 2593 MHz, bandwidths: 5 and 20 MHz
Connected to callbox via 4G LTE B66, uplink mid ch, 1745 MHz, bandwidths: 1.4 and 20 MHz

OUT OF BAND EMISSIONS

LTE B2

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	20.6°C
Attendees:	None	Relative Humidity:	49.6%
Customer Project:	None	Bar. Pressure (PMSL):	1018 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	4	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

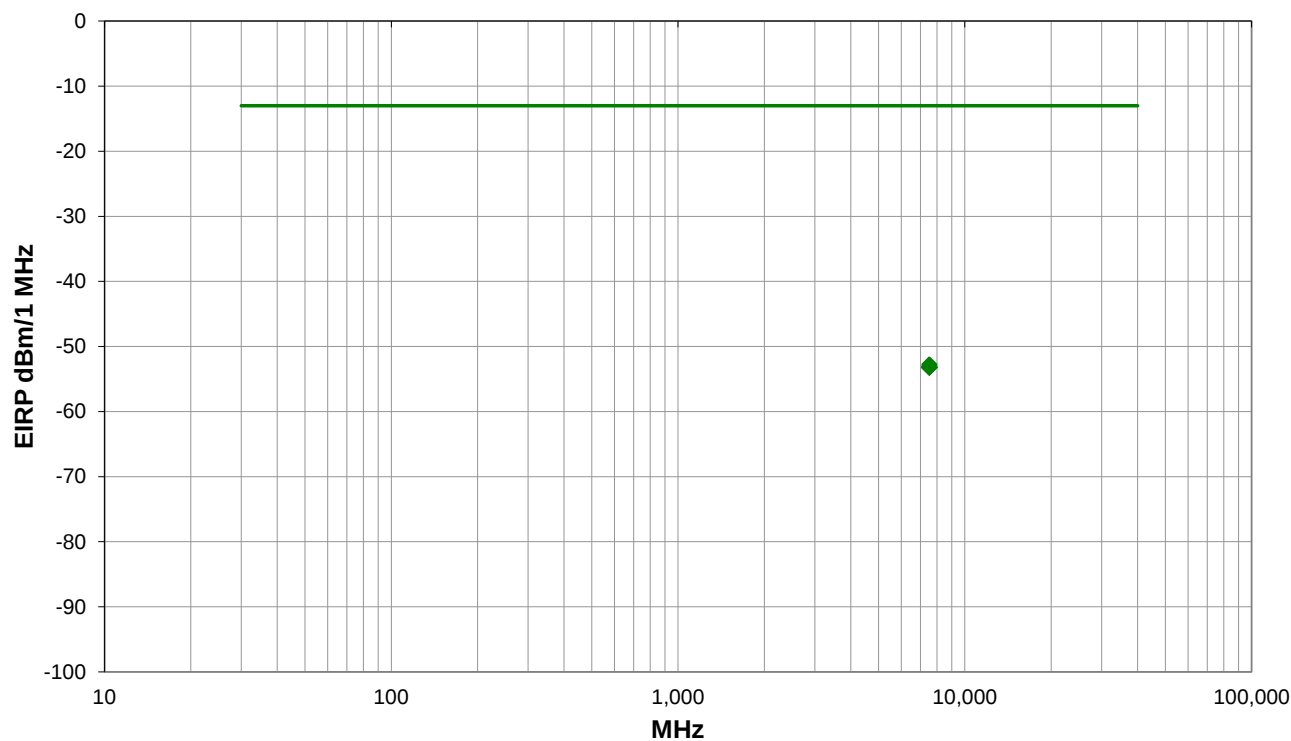
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B2, uplink mid ch, 1880 MHz, bandwidths: 1.4, 5, and 20 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 4

PK AV QP

OUT OF BAND EMISSIONS

LTE B2

RESULTS - Run #4

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
7518.575	2.0	28.0	Horz	AV	5.3E-9	-52.7	-13.0	-39.7	Tx 1880 MHz, 5 MHz BW, Full RB, EUT Horz
7517.783	1.5	17.0	Vert	AV	5.1E-9	-52.9	-13.0	-39.9	Tx 1880 MHz, 5 MHz BW, Full RB, EUT Horz
7519.025	1.5	290.0	Horz	AV	4.9E-9	-53.1	-13.0	-40.1	Tx 1880 MHz, 5 MHz BW, Full RB, EUT Vert
7519.150	1.5	356.0	Vert	AV	4.9E-9	-53.1	-13.0	-40.1	Tx 1880 MHz, 5 MHz BW, Full RB, EUT Vert
7518.875	2.73	276.0	Horz	AV	4.9E-9	-53.1	-13.0	-40.1	Tx 1880 MHz, 20 MHz BW, Full RB, EUT Horz
7519.700	1.5	265.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 5 MHz BW, Full RB, EUT on Side
7522.250	1.5	250.0	Vert	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 5 MHz BW, Full RB, EUT on Side
7517.592	1.5	349.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 1.4 MHz BW, 1RB, Pos.3, EUT on Side
7519.267	1.5	346.0	Vert	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 1.4 MHz BW, 1RB, Pos.3, EUT on Side
7519.425	2.39	152.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 1.4 MHz BW, 1RB, Pos.3, EUT Horz
7517.808	1.5	296.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 1.4 MHz BW, Full RB, EUT Horz
7520.108	2.73	276.0	Horz	AV	4.8E-9	-53.2	-13.0	-40.2	Tx 1880 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz

CONCLUSION

Pass



Tested By

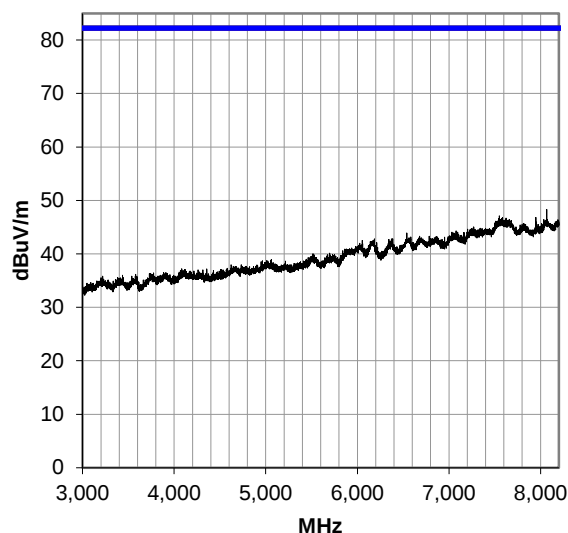
OUT OF BAND EMISSIONS

LTE B2

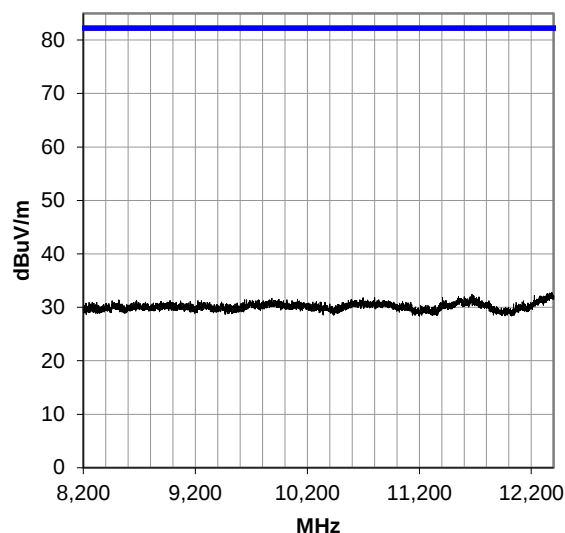
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

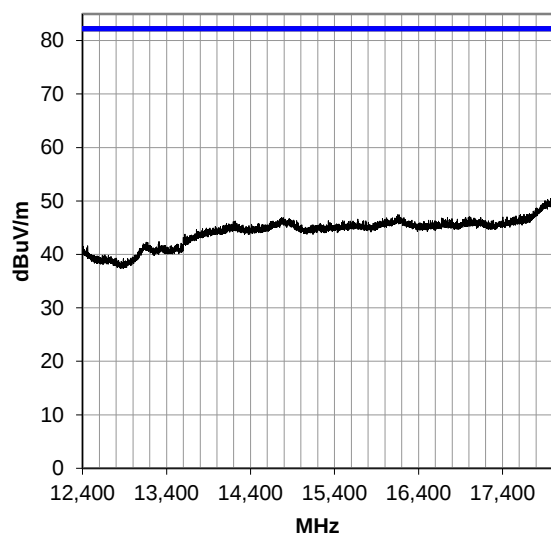
3000-8200 MHz, Run 2



8200-12400 MHz, Run 3



12400-18000 MHz, Run 4



OUT OF BAND EMISSIONS

LTE B4

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	52.2%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	11	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

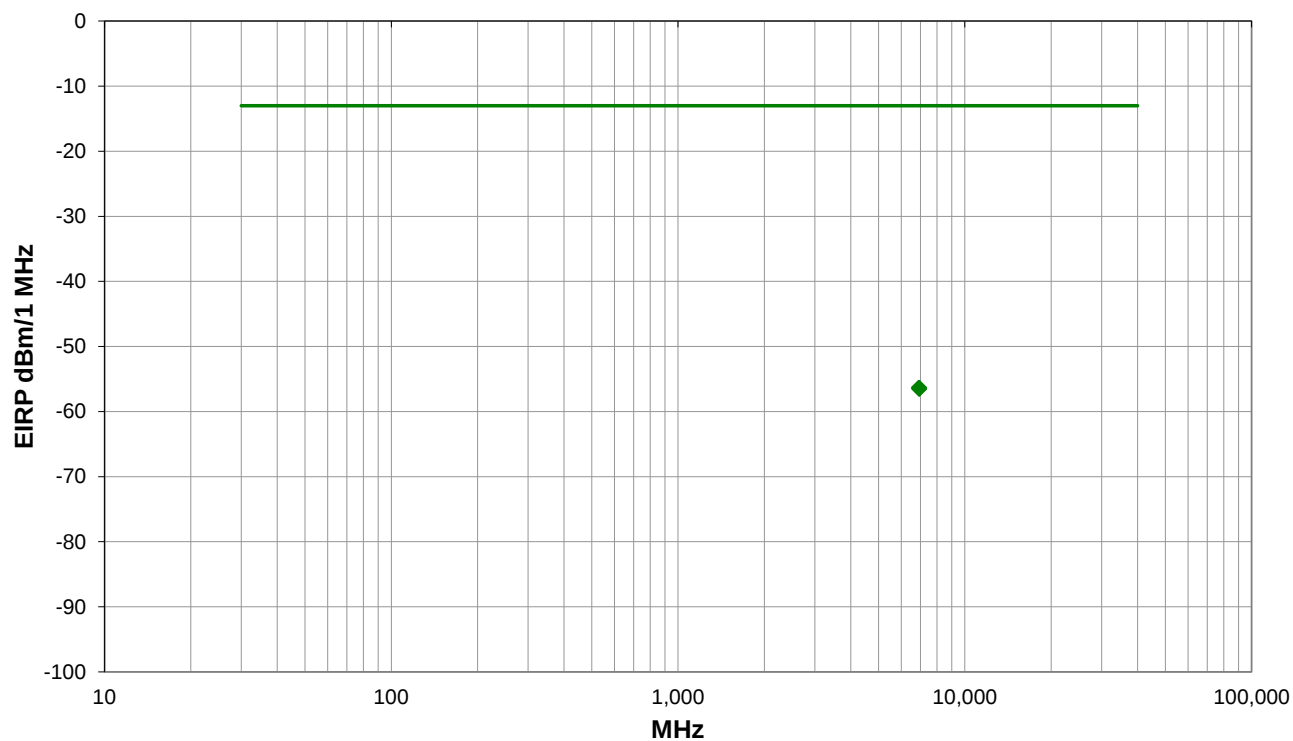
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B4, uplink mid ch, 1732.5 MHz. bandwidths: 1.4 and 20 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 11

PK AV QP

OUT OF BAND EMISSIONS

LTE B4

RESULTS - Run #11

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
6918.167	1.5	157.0	Horz	AV	2.3E-9	-56.3	-13.0	-43.3	Tx 1732.5 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz
6918.250	1.5	157.0	Horz	AV	2.3E-9	-56.3	-13.0	-43.3	Tx 1732.5 MHz, 20 MHz BW, Full RB, EUT Horz
6930.042	1.5	157.0	Horz	AV	2.2E-9	-56.5	-13.0	-43.5	Tx 1732.5 MHz, 1.4 MHz BW, Full RB, EUT Horz

CONCLUSION

Pass



Tested By

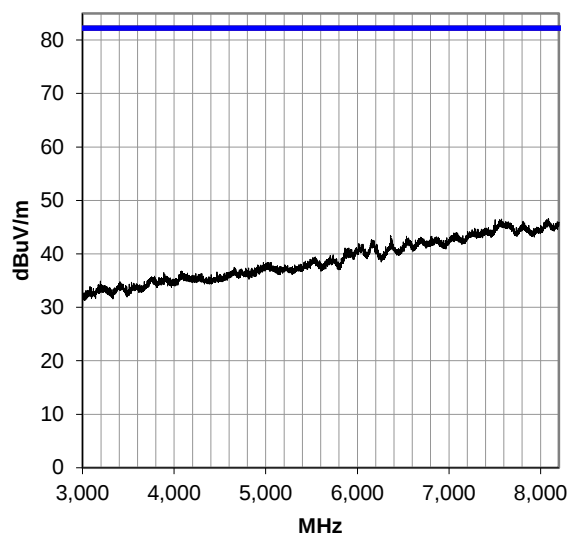
OUT OF BAND EMISSIONS

LTE B4

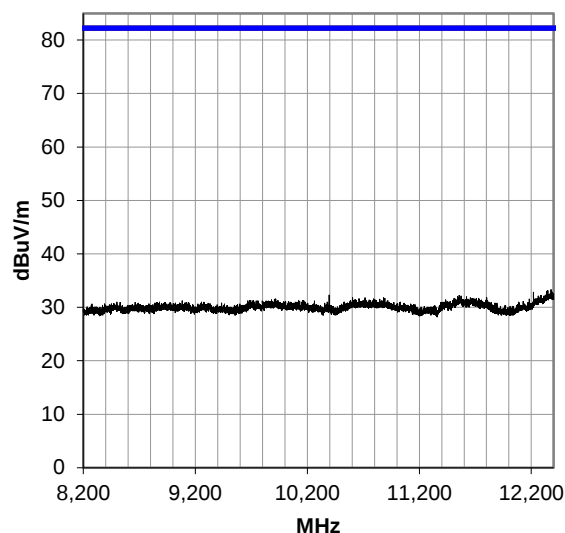
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

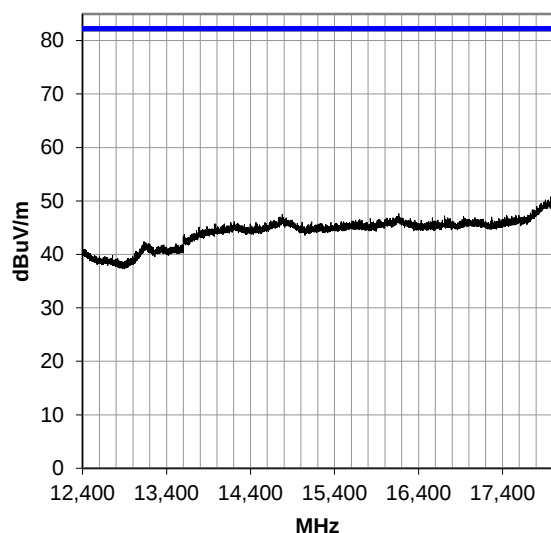
3000-8200 MHz, Run 9



8200-12400 MHz, Run 10



12400-18000 MHz, Run 11



OUT OF BAND EMISSIONS

LTE B5

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	21.9°C
Attendees:	None	Relative Humidity:	53.4%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	14	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

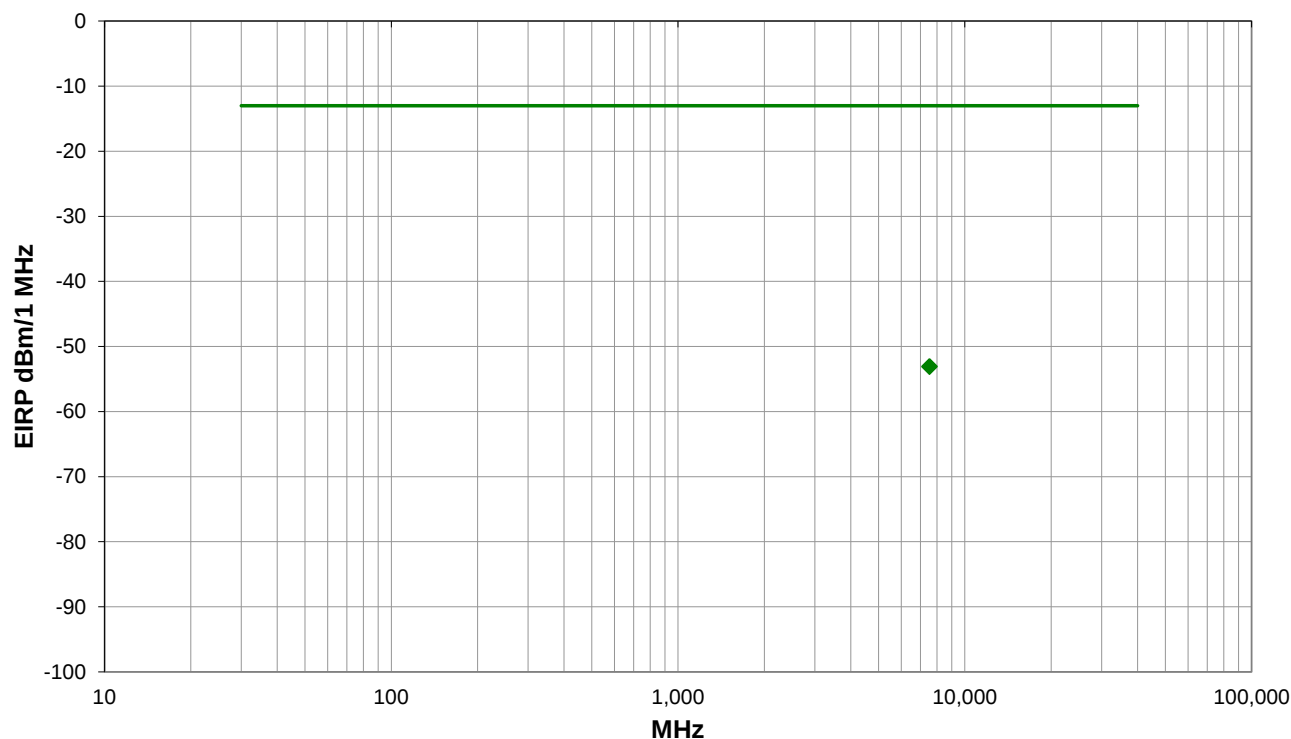
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B5, uplink mid ch, 836.5 MHz, bandwidths: 1.4 and 10 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 14

PK AV QP

OUT OF BAND EMISSIONS

LTE B5

RESULTS - Run #14

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
7527.233	1.5	215.0	Horz	AV	5.0E-9	-53.0	-13.0	-40.0	Tx 836.5 MHz, 10 MHz BW, 1RB, Pos.25, EUT Horz
7527.300	1.5	215.0	Horz	AV	5.0E-9	-53.0	-13.0	-40.0	Tx 836.5 MHz, 10 MHz BW, Full RB, EUT Horz
7526.325	1.5	215.0	Horz	AV	4.9E-9	-53.1	-13.0	-40.1	Tx 836.5 MHz, 1.4 MHz BW, Full RB, EUT Horz
7526.008	1.5	215.0	Horz	AV	4.9E-9	-53.1	-13.0	-40.1	Tx 836.5 MHz, 1.4 MHz BW, 1RB, Pos.3, EUT Horz

CONCLUSION

Pass



Tested By

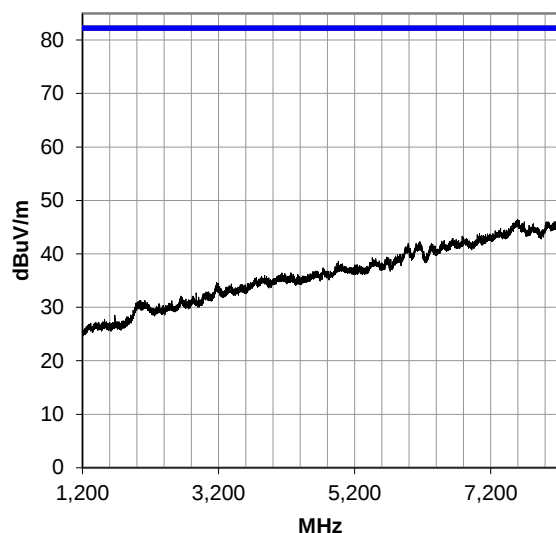
OUT OF BAND EMISSIONS

LTE B5

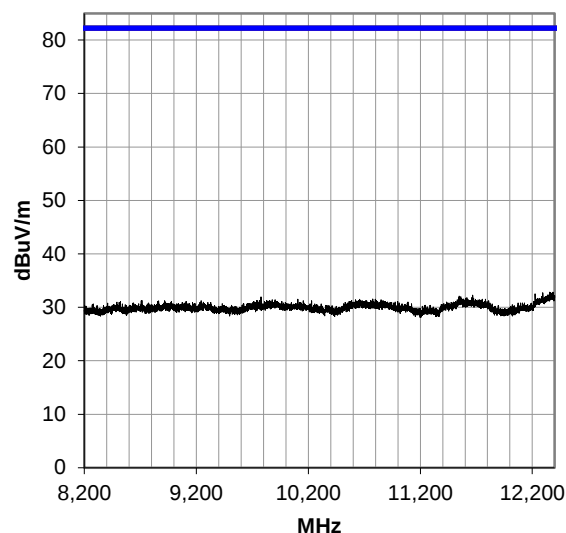
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

1200-8200 MHz, Run 12



8200-12400 MHz, Run 13



OUT OF BAND EMISSIONS

LTE B7

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	22.4°C
Attendees:	None	Relative Humidity:	54.8%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	17	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

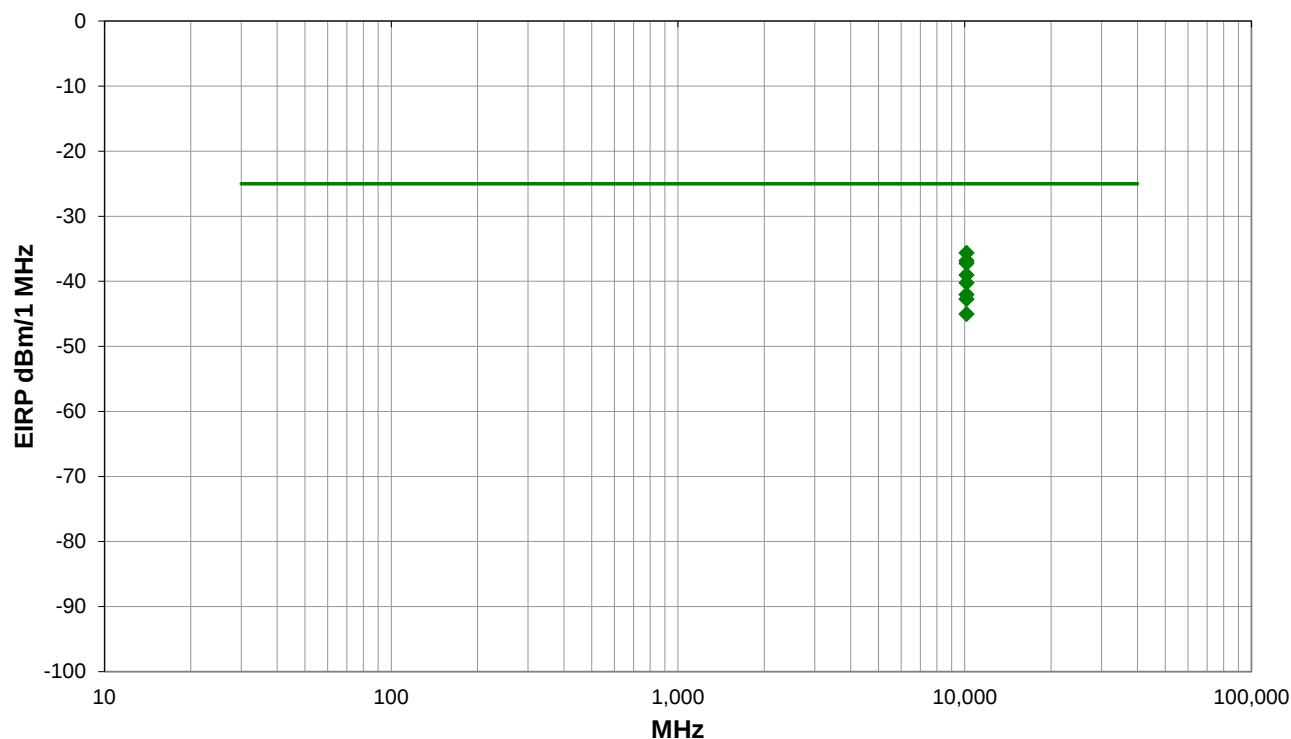
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B7, uplink mid ch, 2535 MHz, bandwidths: 5 and 20 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 17

PK AV QP

OUT OF BAND EMISSIONS

LTE B7

RESULTS - Run #17

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
10140.360	1.46	60.0	Horz	AV	273.6E-9	-35.6	-25.0	-10.6	Tx 2535 MHz, 20 MHz BW, 1RB, Pos.50, EUT on Side
10140.360	2.14	71.0	Vert	AV	207.5E-9	-36.8	-25.0	-11.8	Tx 2535 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz
10140.330	1.98	74.0	Vert	AV	189.3E-9	-37.2	-25.0	-12.2	Tx 2535 MHz, 20 MHz BW, 1RB, Pos.50, EUT Vert
10140.360	1.41	67.0	Vert	AV	125.1E-9	-39.0	-25.0	-14.0	Tx 2535 MHz, 20 MHz BW, 1RB, Pos.50, EUT on Side
10140.290	1.49	75.0	Horz	AV	94.9E-9	-40.2	-25.0	-15.2	Tx 2535 MHz, 20 MHz BW, 1RB, Pos.50, EUT Vert
10140.360	2.4	313.0	Horz	AV	62.7E-9	-42.0	-25.0	-17.0	Tx 2535 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz
10140.010	1.46	60.0	Horz	AV	53.3E-9	-42.7	-25.0	-17.7	Tx 2535 MHz, 5 MHz BW, Full RB, EUT on Side
10140.050	1.46	60.0	Horz	AV	31.4E-9	-45.0	-25.0	-20.0	Tx 2535 MHz, 20 MHz BW, Full RB, EUT on Side

CONCLUSION

Pass



Tested By

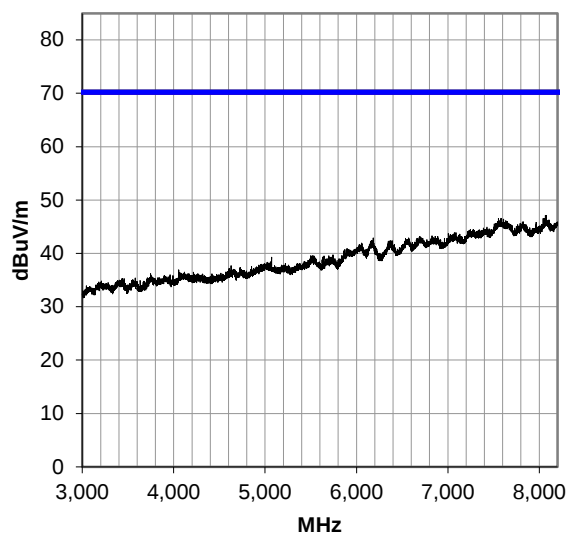
OUT OF BAND EMISSIONS

LTE B7

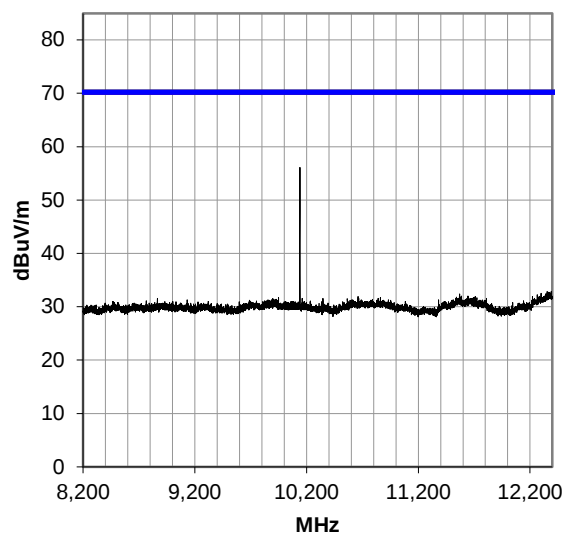
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

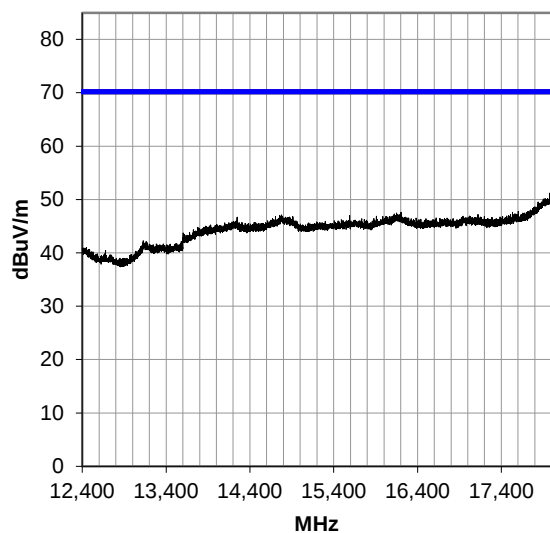
3000-8200 MHz, Run 15



8200-12400 MHz, Run 16



12400-18000 MHz, Run 17



OUT OF BAND EMISSIONS

LTE B12

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	23.1°C
Attendees:	None	Relative Humidity:	54.8%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	20	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

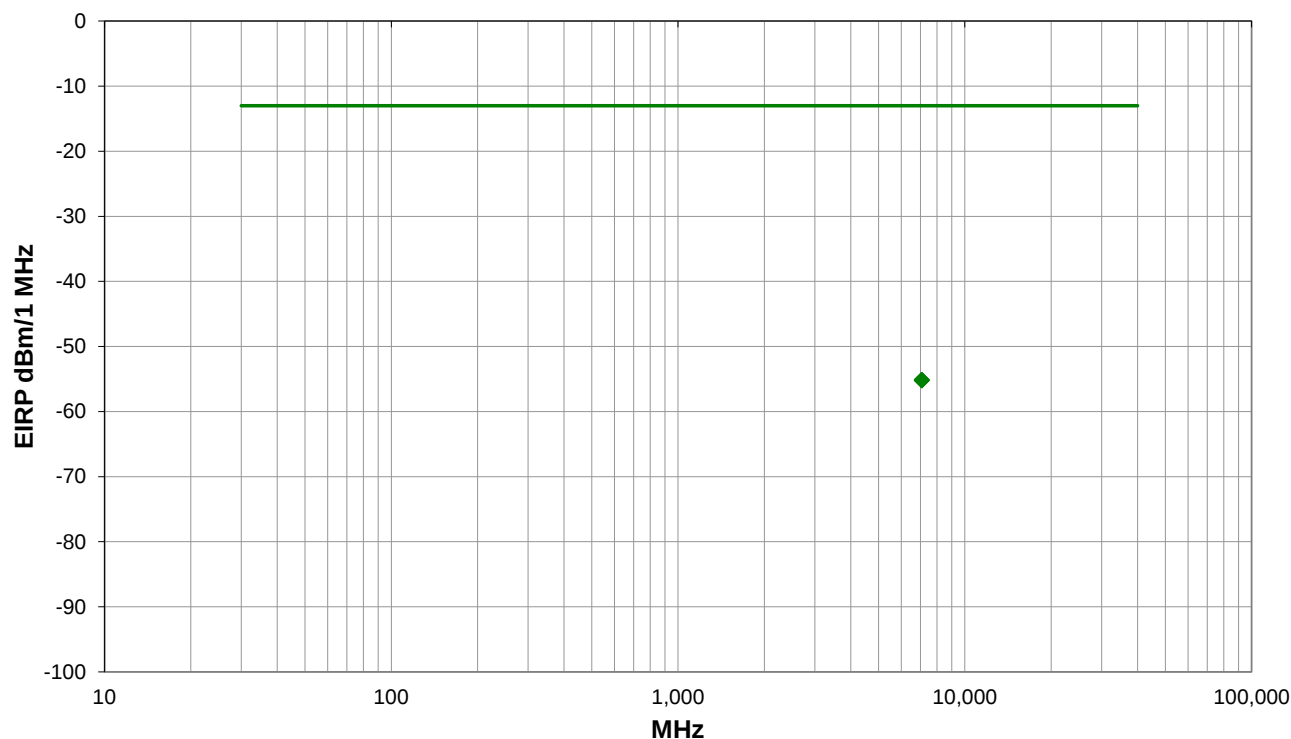
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B12, uplink mid ch, 707.5 MHz, bandwidths: 1.4 and 10 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 20

PK AV QP

OUT OF BAND EMISSIONS

LTE B12

RESULTS - Run #20

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
7072.792	1.33	118.0	Horz	AV	3.1E-9	-55.1	-13.0	-42.1	Tx 707.5 MHz, 10 MHz BW, 1RB, Pos.25, EUT on Side
7076.858	1.33	118.0	Horz	AV	3.1E-9	-55.1	-13.0	-42.1	Tx 707.5 MHz, 10 MHz BW, Full RB, EUT on Side
7076.467	1.33	118.0	Horz	AV	3.0E-9	-55.2	-13.0	-42.2	Tx 707.5 MHz, 1.4 MHz BW, Full RB, EUT on Side

CONCLUSION

Pass



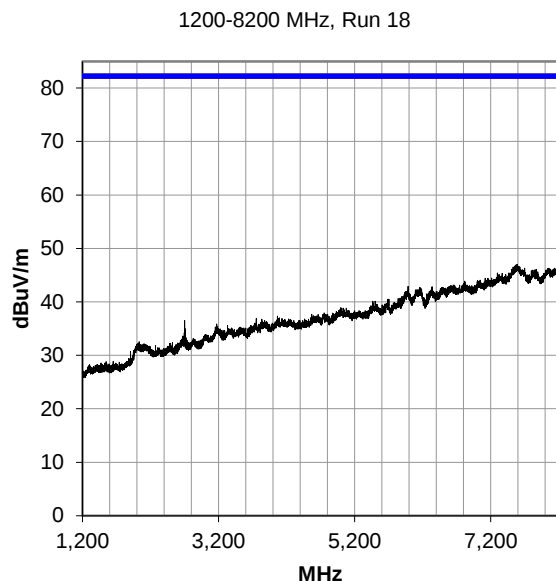
Tested By

OUT OF BAND EMISSIONS

LTE B12

PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.



OUT OF BAND EMISSIONS

LTE B13

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	23.4°C
Attendees:	None	Relative Humidity:	54.5%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	23	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

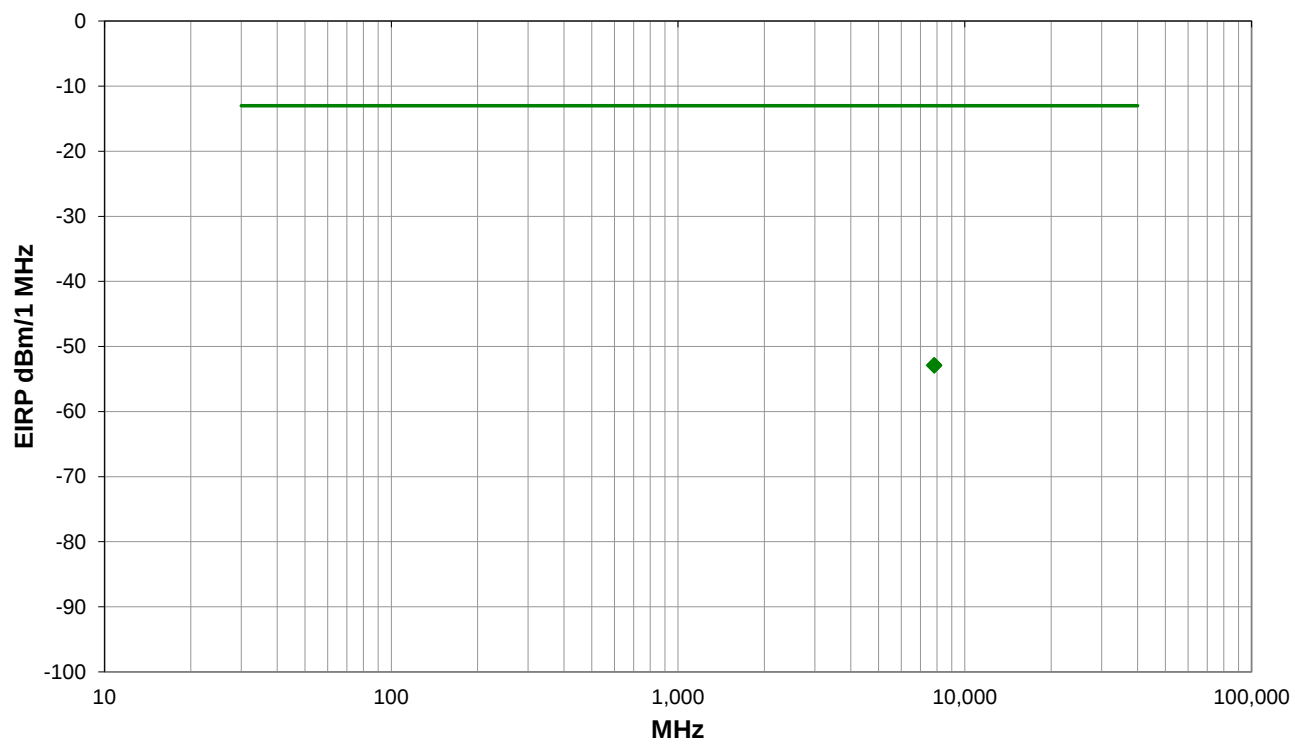
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B13, uplink mid ch, 782 MHz. bandwidths: 5 and 10 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 23

PK AV QP

OUT OF BAND EMISSIONS

LTE B13

RESULTS - Run #23

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
7818.492	1.23	136.0	Horz	AV	5.2E-9	-52.8	-13.0	-39.8	Tx 782 MHz, 10 MHz BW, 1RB, Pos.25, EUT on Side
7818.767	1.23	136.0	Horz	AV	5.1E-9	-52.9	-13.0	-39.9	Tx 782 MHz, 10 MHz BW, Full RB, EUT on Side
7819.325	1.23	136.0	Horz	AV	5.1E-9	-52.9	-13.0	-39.9	Tx 782 MHz, 5 MHz BW, Full RB, EUT on Side

CONCLUSION

Pass



Tested By

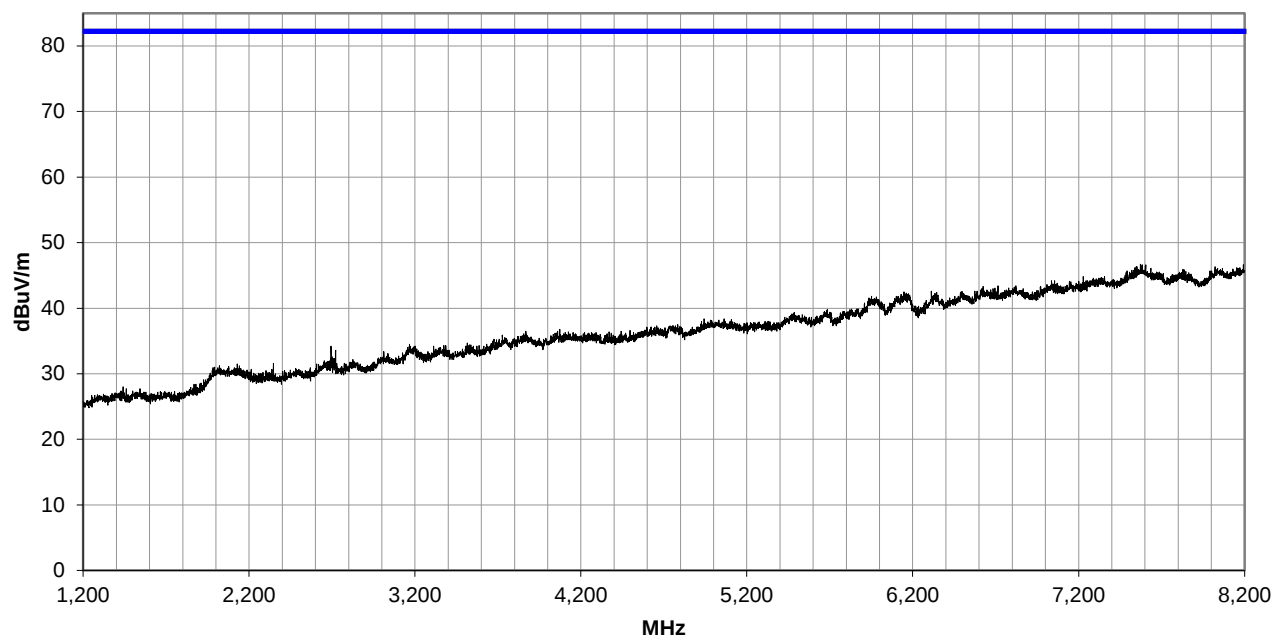
OUT OF BAND EMISSIONS

LTE B13

PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

1200-8200 MHz, Run 21



OUT OF BAND EMISSIONS

LTE B25



EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Element Materials Technology Washington DC, LLC	Temperature:	20.6°C
Attendees:	None	Relative Humidity:	49.6%
Customer Project:	None	Bar. Pressure (PMSL):	1018 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	8	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

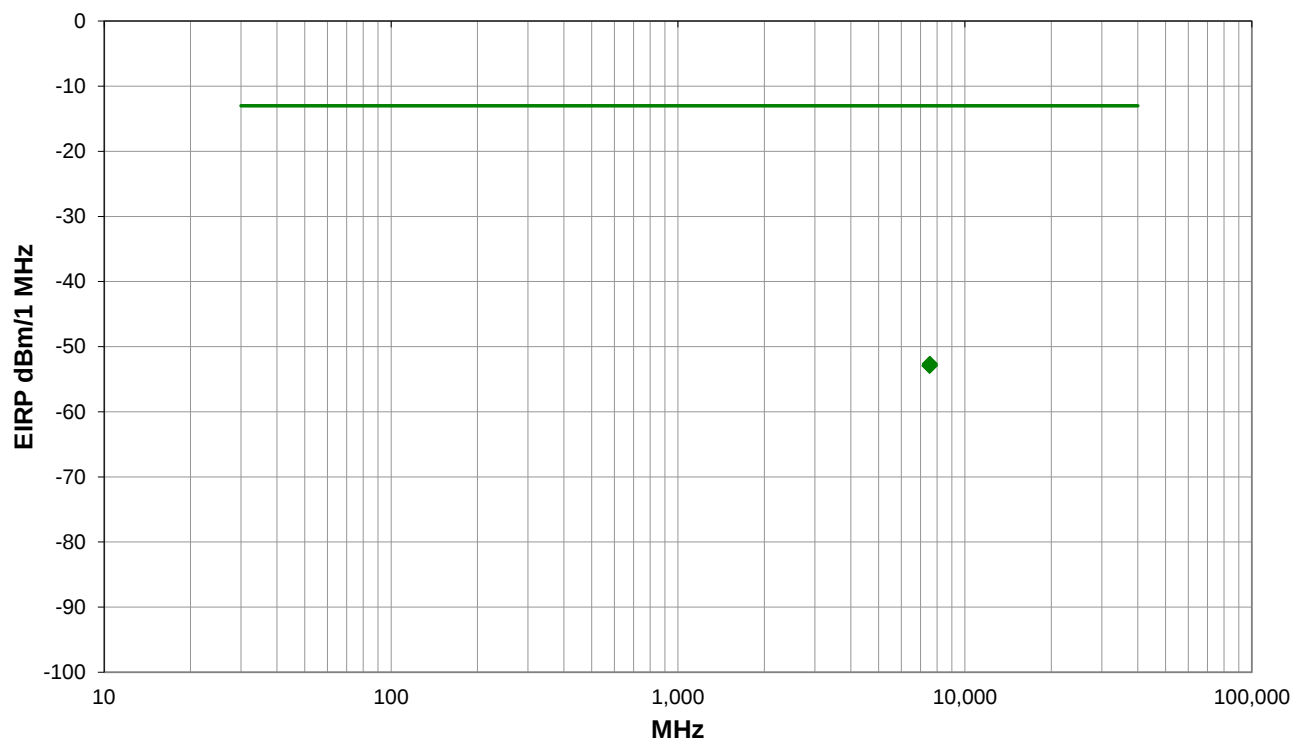
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B25, uplink mid ch, 1882.5 MHz. bandwidths: 1.4 and 20 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 8

PK AV QP

OUT OF BAND EMISSIONS

LTE B25

RESULTS - Run #8

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
7542.042	3.15	345.0	Horz	AV	5.5E-9	-52.6	-13.0	-39.6	Tx 1882.5 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz
7537.250	3.15	345.0	Horz	AV	5.2E-9	-52.8	-13.0	-39.8	Tx 1882.5 MHz, 20 MHz BW, Full RB, EUT Horz
7529.958	3.15	345.0	Horz	AV	5.1E-9	-52.9	-13.0	-39.9	Tx 1882.5 MHz, 1.4 MHz BW, 1RB, Pos.3, EUT Horz
7528.775	3.15	345.0	Horz	AV	5.1E-9	-52.9	-13.0	-39.9	Tx 1882.5 MHz, 1.4 MHz BW, Full RB, EUT Horz

CONCLUSION

Pass



Tested By

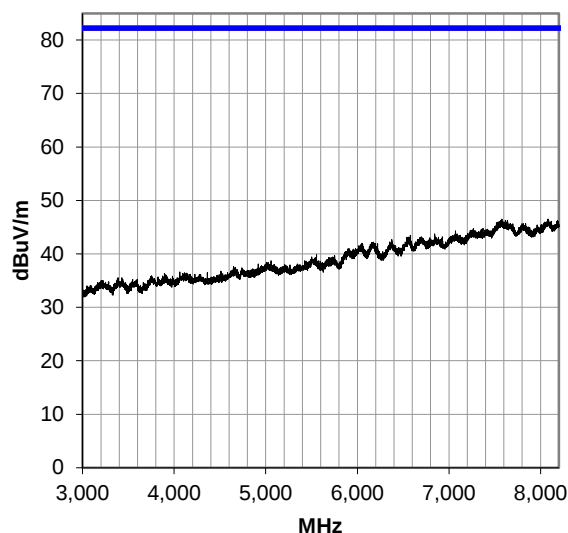
OUT OF BAND EMISSIONS

LTE B25

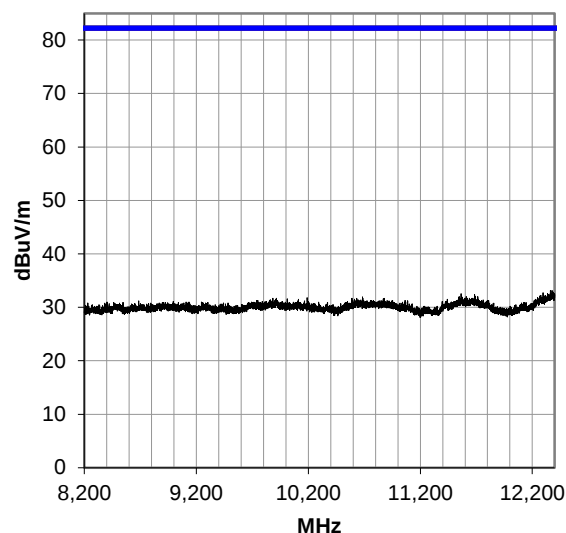
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

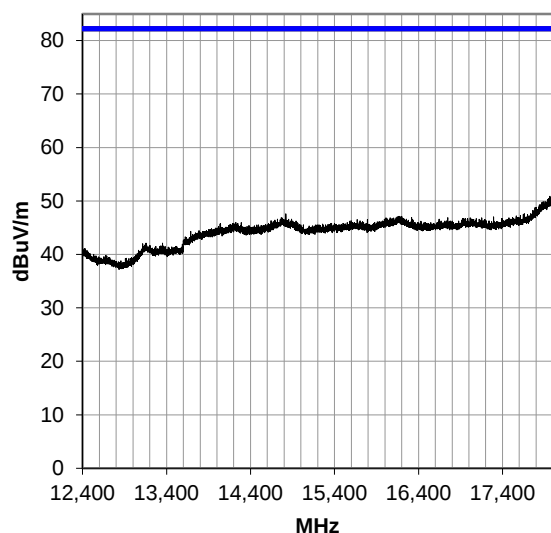
3000-8200 MHz, Run 6



8200-12400 MHz, Run 7



12400-18000 MHz, Run 8



OUT OF BAND EMISSIONS

LTE B26

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-25
Customer:	Telit Communications S.p.A.	Temperature:	23.8°C
Attendees:	None	Relative Humidity:	53.4%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	26	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

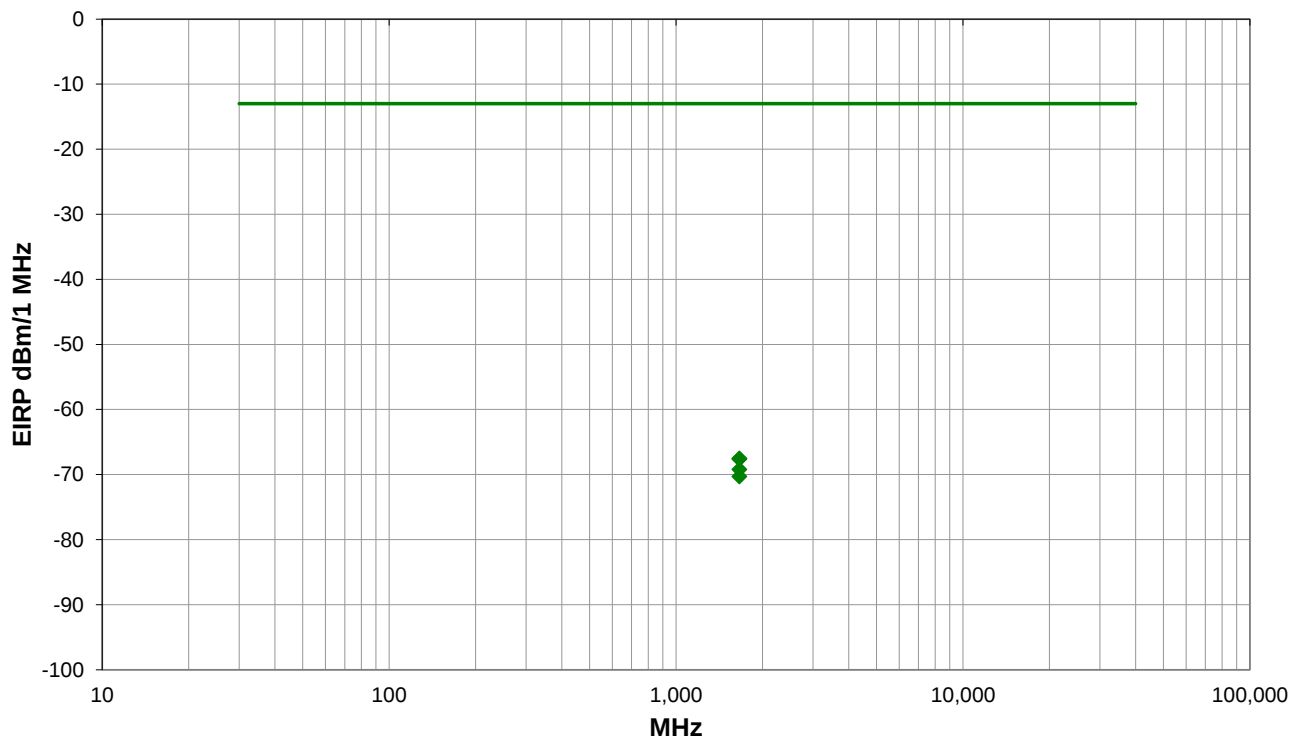
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B26, uplink mid ch, 831.5 MHz. bandwidths: 1.4 and 15 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 26

■ PK ◆ AV ● QP

OUT OF BAND EMISSIONS

LTE B26

RESULTS - Run #26

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
1663.367	1.0	88.0	Horz	AV	176.7E-12	-67.5	-13.0	-54.5	Tx 831.5 MHz, 15 MHz BW, 1RB, Pos38, EUT on Side
1663.183	1.0	88.0	Horz	AV	172.6E-12	-67.6	-13.0	-54.6	Tx 831.5 MHz, 1.4 MHz BW, 1RB, Pos3, EUT on Side
1663.075	1.0	88.0	Horz	AV	119.4E-12	-69.2	-13.0	-56.2	Tx 831.5 MHz, 1.4 MHz BW, Full RB, EUT on Side
1664.183	1.0	88.0	Horz	AV	92.7E-12	-70.3	-13.0	-57.3	Tx 831.5 MHz, 15 MHz BW, Full RB, EUT on Side

CONCLUSION

Pass



Tested By

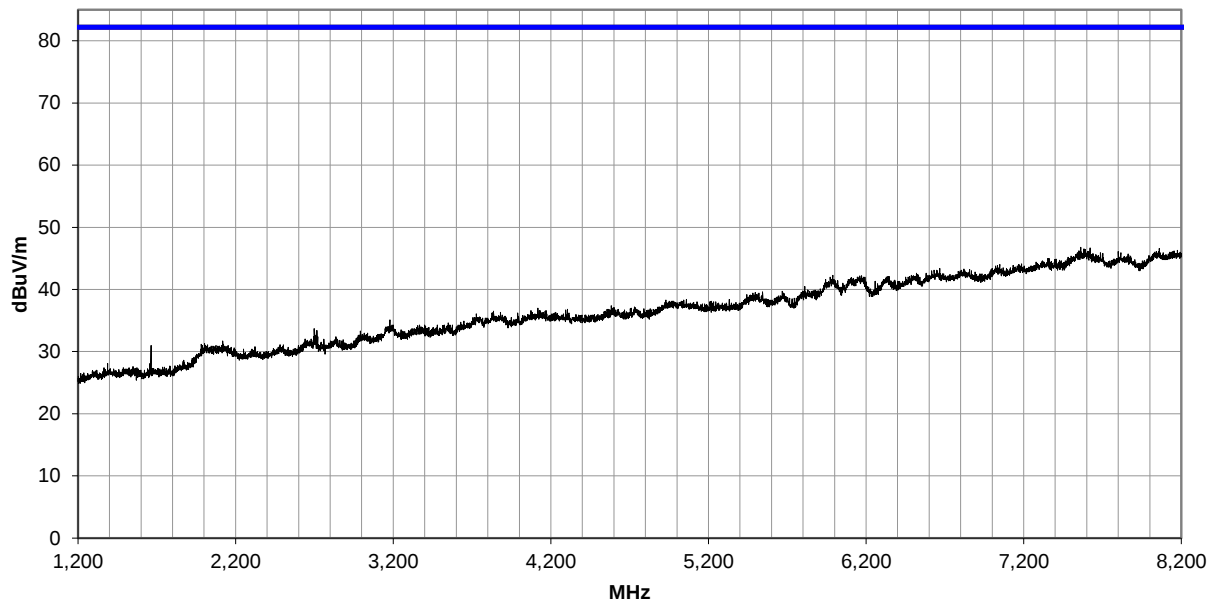
OUT OF BAND EMISSIONS

LTE B26

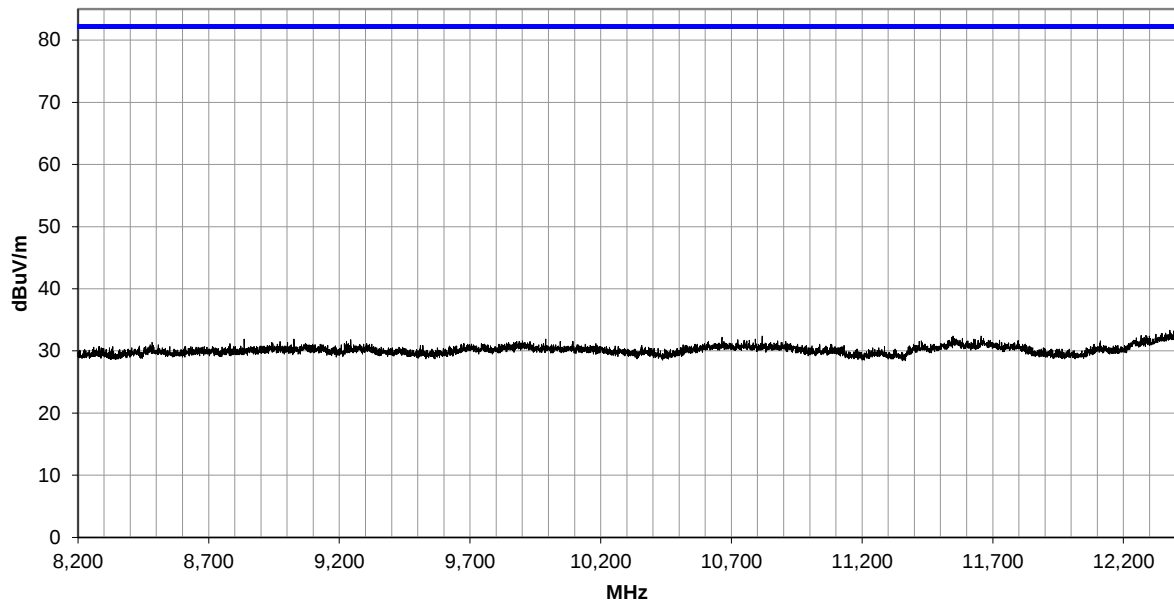
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

1200-8200 MHz, Run 24



8200-12400 MHz, Run 25



OUT OF BAND EMISSIONS

LTE B30

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-27
Customer:	Telit Communications S.p.A.	Temperature:	22°C
Attendees:	None	Relative Humidity:	55.4%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	29	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

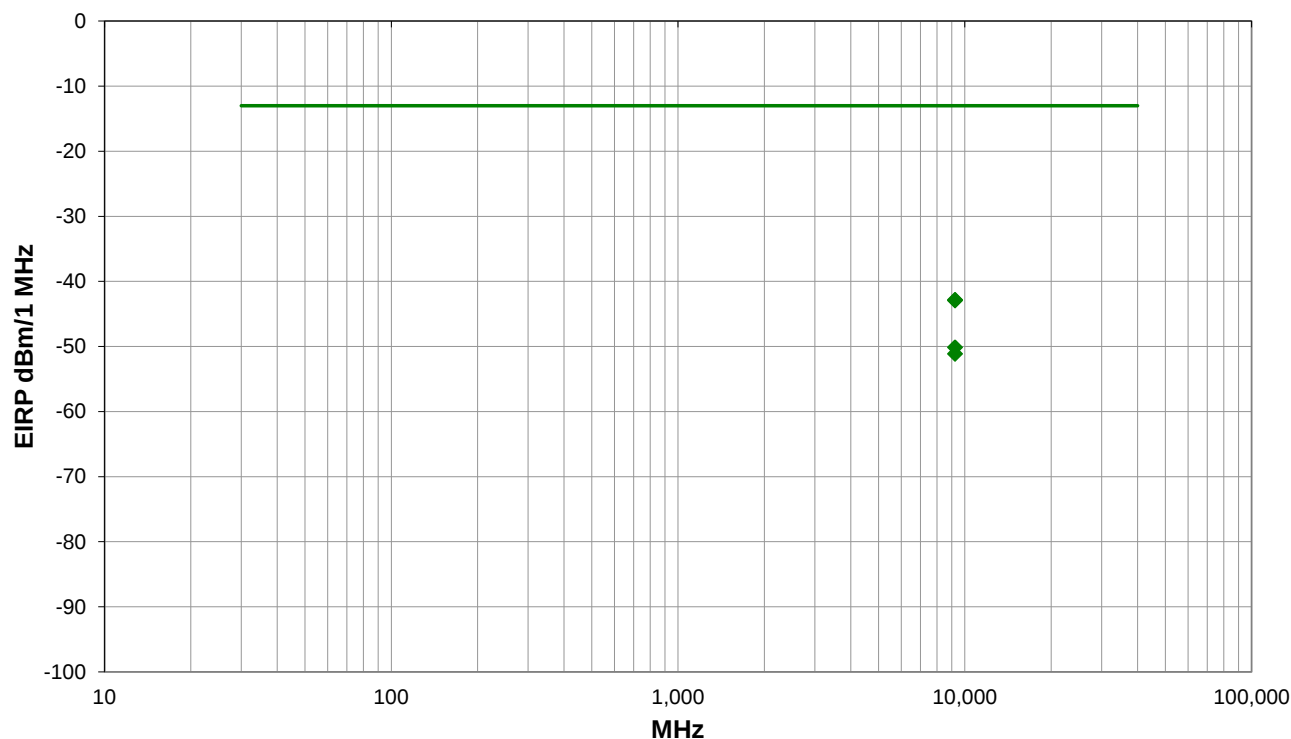
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B30, uplink mid ch, 2310 MHz, bandwidths: 5 and 10 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 29

PK AV QP

OUT OF BAND EMISSIONS

LTE B30

RESULTS - Run #29

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
9240.308	2.03	136.0	Horz	AV	52.1E-9	-42.8	-13.0	-29.8	Tx 2310 MHz, 10 MHz BW, 1RB, Pos.50, EUT on Side
9240.742	2.03	136.0	Horz	AV	50.9E-9	-42.9	-13.0	-29.9	Tx 2310 MHz, 5 MHz BW, 1 RB, Pos.13, EUT on Side
9240.025	2.03	136.0	Horz	AV	9.7E-9	-50.1	-13.0	-37.1	Tx 2310 MHz, 5 MHz BW, Full RB, EUT on Side
9240.083	2.03	136.0	Horz	AV	7.7E-9	-51.1	-13.0	-38.1	Tx 2310 MHz, 10 MHz BW, Full RB, EUT on Side

CONCLUSION

Pass



Tested By

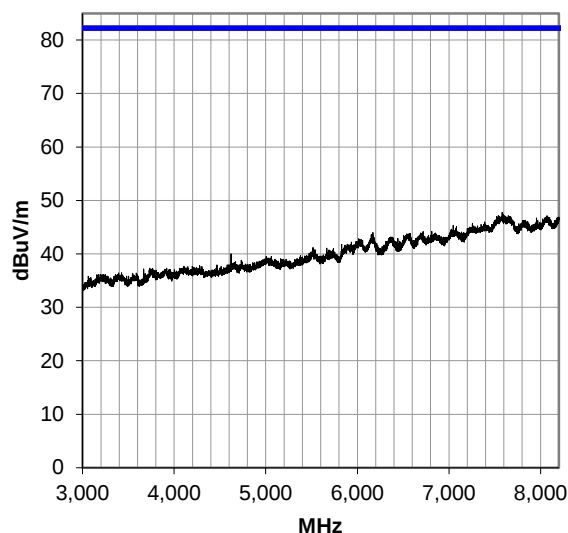
OUT OF BAND EMISSIONS

LTE B30

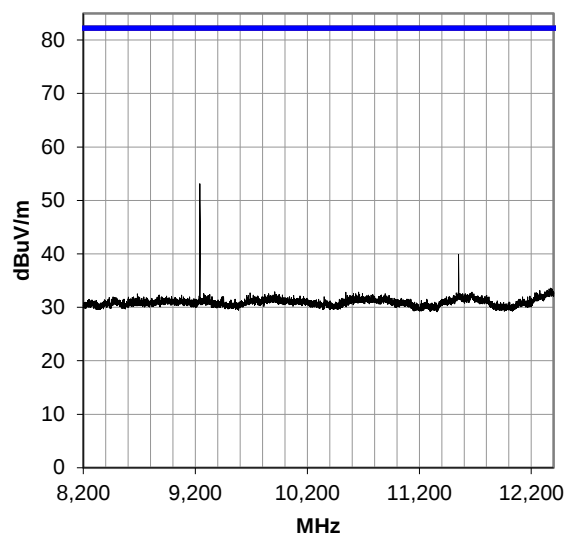
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

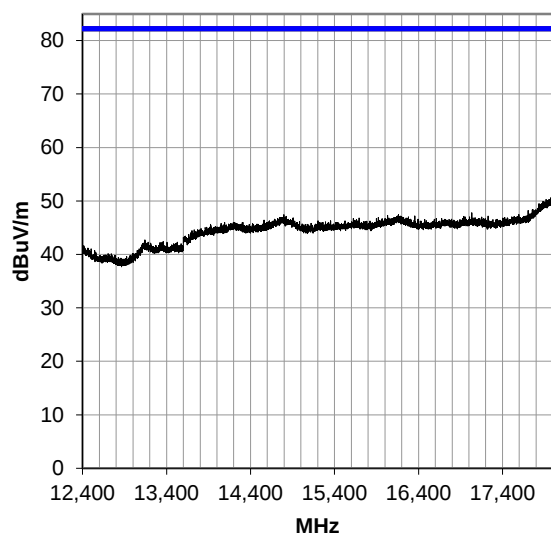
3000-8200 MHz, Run 27



8200-12400 MHz, Run 28



12400-18000 MHz, Run 29



OUT OF BAND EMISSIONS

LTE B41



EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-04-10
Customer:	Element Materials Technology Washington DC, LLC	Temperature:	21.7°C
Attendees:	None	Relative Humidity:	52.8%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	42	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

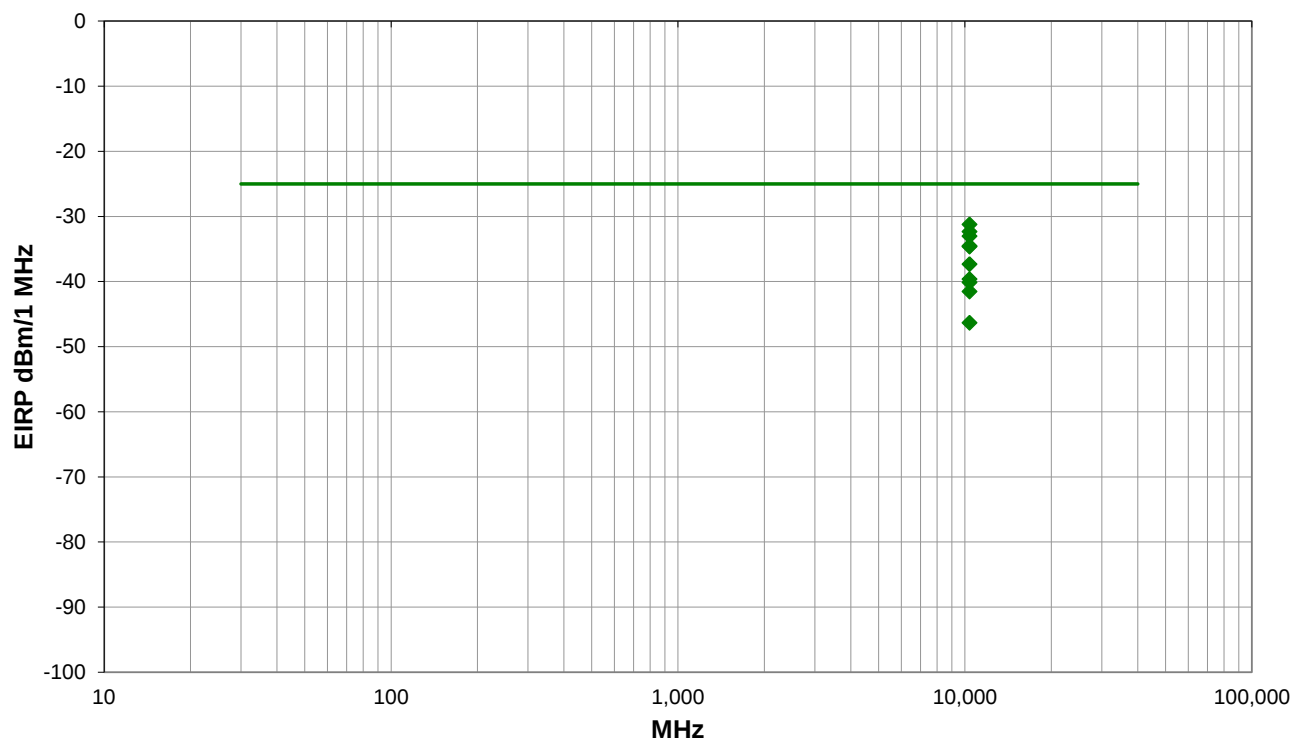
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B41, uplink mid ch, 2593 MHz, bandwidths: 5 and 20 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 42

PK AV QP

OUT OF BAND EMISSIONS

LTE B41

RESULTS - Run #42

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
10372.410	1.5	341.0	Horz	AV	753.6E-9	-31.2	-25.0	-6.2	Tx 2593 MHz, 20 MHz BW, 1RB, Pos.50, EUT on Side
10372.330	1.62	24.0	Vert	AV	585.0E-9	-32.3	-25.0	-7.3	Tx 2593 MHz, 20 MHz BW, 1RB, Pos.50, EUT Vert
10372.660	2.82	52.0	Horz	AV	497.9E-9	-33.0	-25.0	-8.0	Tx 2593 MHz, 5 MHz BW, 1RB, Pos.13, EUT on Side
10372.330	1.05	314.0	Vert	AV	352.5E-9	-34.5	-25.0	-9.5	Tx 2593 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz
10372.310	1.37	77.0	Horz	AV	344.4E-9	-34.6	-25.0	-9.6	Tx 2593 MHz, 20 MHz BW, 1RB, Pos.50, EUT Vert
10372.270	2.68	77.0	Vert	AV	185.0E-9	-37.3	-25.0	-12.3	Tx 2593 MHz, 20 MHz BW, 1RB, Pos.50, EUT on Side
10372.350	3.56	73.0	Horz	AV	108.9E-9	-39.6	-25.0	-14.6	Tx 2593 MHz, 20 MHz BW, 1RB, Pos.50, EUT Horz
10372.030	2.82	52.0	Horz	AV	97.1E-9	-40.1	-25.0	-15.1	Tx 2593 MHz, 5 MHz BW, Full RB, EUT on Side
10372.020	2.82	52.0	Horz	AV	70.3E-9	-41.5	-25.0	-16.5	Tx 2593 MHz, 20 MHz BW, Full RB, EUT on Side
10371.970	2.82	52.0	Horz	AV	23.3E-9	-46.3	-25.0	-21.3	Tx 2593 MHz, 20 MHz BW, Full RB, EUT Horz

CONCLUSION

Pass



Tested By

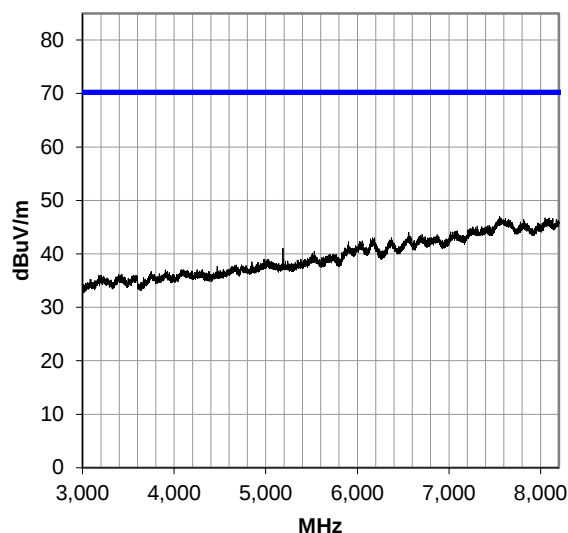
OUT OF BAND EMISSIONS

LTE B41

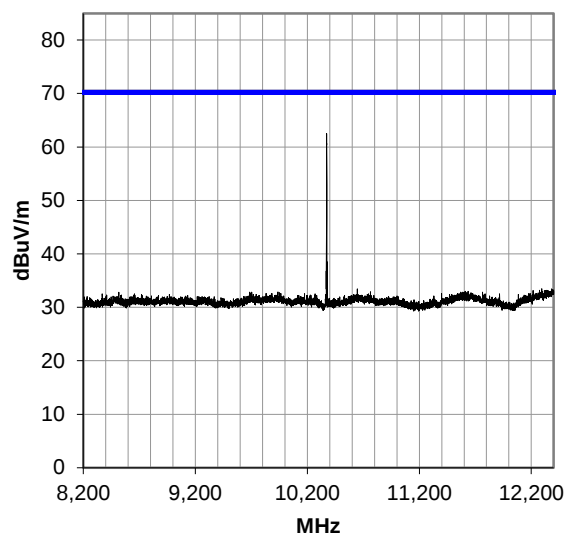
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

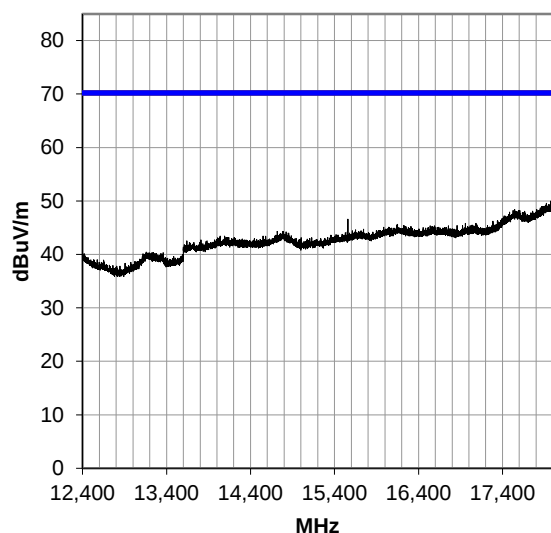
3000-8200 MHz, Run 40



8200-12400 MHz, Run 41



12400-18000 MHz, Run 42



OUT OF BAND EMISSIONS

LTE B66

EUT:	LN920A6-NA (FCC ID RI7LN920NA)	Work Order:	PCTE0094
Serial Number:	IMEI: 351363120164568	Date:	2026-02-27
Customer:	Telit Communications S.p.A.	Temperature:	23.8°C
Attendees:	None	Relative Humidity:	52.3%
Customer Project:	None	Bar. Pressure (PMSL):	1012 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	3.3 VDC	Configuration:	PCTE0094-1

TEST PARAMETERS

Run #:	37	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

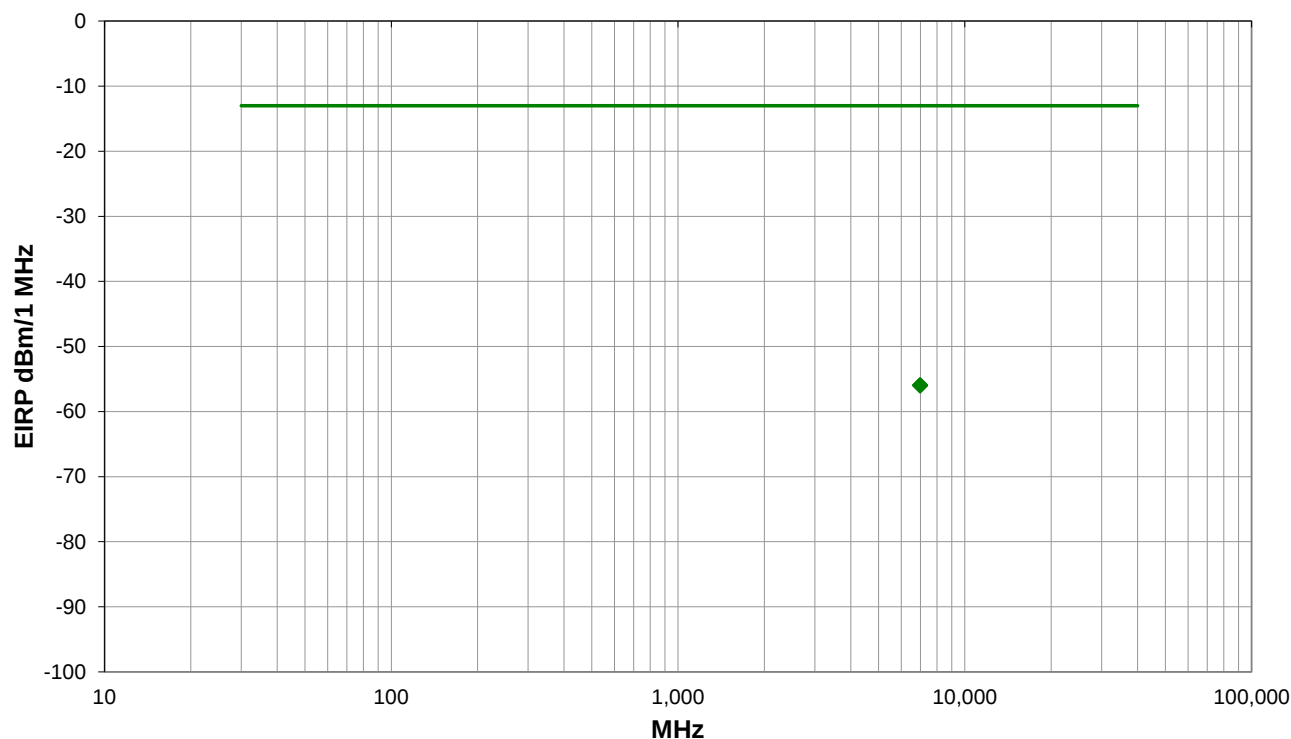
None

EUT OPERATING MODES

Connected to callbox via 4G LTE B66, uplink mid ch, 1745 MHz, bandwidths: 1.4 and 20 MHz

DEVIATIONS FROM TEST STANDARD

None



Run #: 37

PK AV QP

OUT OF BAND EMISSIONS

LTE B66

RESULTS - Run #37

Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
6982.475	1.5	266.0	Horz	AV	2.6E-9	-55.9	-13.0	-42.9	Tx 1745 MHz, 20 MHz BW, Full RB, EUT on Side
6977.500	1.5	266.0	Horz	AV	2.6E-9	-55.9	-13.0	-42.9	Tx 1745 MHz, 1.4 MHz BW, Full RB, EUT on Side
6982.242	1.5	266.0	Horz	AV	2.5E-9	-56.0	-13.0	-43.0	Tx 1745 MHz, 20 MHz BW, 1RB, Pos.50, EUT on Side

CONCLUSION

Pass



Tested By

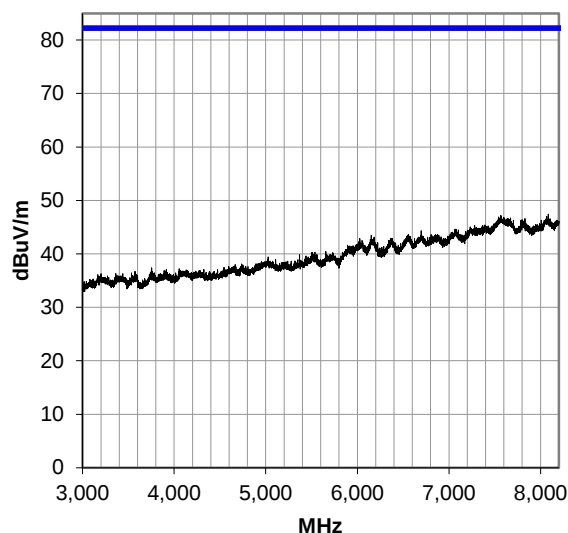
OUT OF BAND EMISSIONS

LTE B66

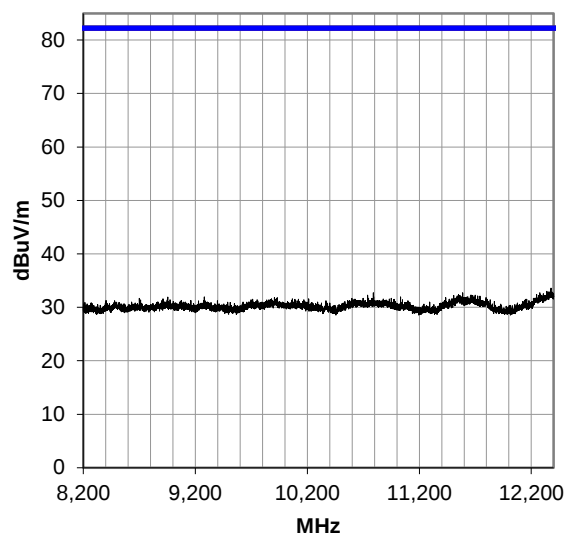
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

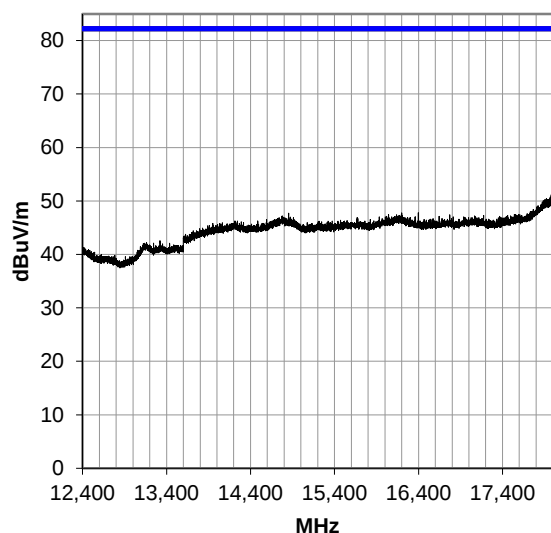
3000-8200 MHz, Run 35



8200-12400 MHz, Run 36



12400-18000 MHz, Run 37



End of Test Report