

Test Report No:
2550615R-RFUSV24S-A

TEST REPORT

FCC Rules&Regulations

Product Name	Maverick 220
Brand Name	
Model No.	EDM-XDLTEG
FCC ID	2AXTDEDMXDLTEG
Applicant's Name / Address	Ubiik Inc. 19F., No. 17, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103, Taiwan (R.O.C.)
Manufacturer's Name / Address	Ubiik Inc. 19F., No. 17, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103, Taiwan (R.O.C.)
Test Method Requested, Standard	FCC CFR Title 47 Part 27 Subpart P ANSI/TIA-603-E-2016 ANSI C63.26-2015
Verdict Summary	IN COMPLIANCE
Documented By	 Jennie She
Approved By	 Allen Lin
Date of Receipt	May 21, 2025
Date of Issue	Jul. 16, 2025
Report Version	V1.0

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Appendix A. Test Result of RF Output Power & Power Spectral Density

Appendix B. Test Result of Occupied Bandwidth

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Appendix E. Test Result of Conducted Band Edge

Appendix F. Test Result of Frequency Stability

Appendix G. Test Setup Photograph

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Jul. 16, 2025

Summary of Test Result

Report Clause	Test Items	Band	Ref Std. Clause	Limit	Result (PASS/FAIL)	Remark
3	RF Output Power	106	§2.1046 §27.1507	Mobile stations < 10 Watts ERP Power	PASS	-
4	Occupied Bandwidth	106	§2.1049	N/A	PASS	-
5	Peak to Average Power Ratio	106	§27.1507	$\leq$ 13 dB	PASS	-
6	Spurious Emission	106	§2.1053 §27.1509	< -13 dBm	PASS	-
7	Conducted Band Edge	106	§2.1051 §27.1509	< -13 dBm	PASS	-
8	Frequency Stability	106	§2.1055 §27.54	$\pm$ 2.5 ppm	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

Uplink Frequency Range (MHz)	LTE Band 106: 897.5 ~ 900.5
Downlink Frequency Range (MHz)	LTE Band 106: 936.5 ~ 939.5
Bandwidth (MHz)	LTE Band 106: 1.4
Type of Modulation	QPSK / 16QAM
IMEI No.	358984960000027

Antenna Information				
Ant.	Brand Name	Part No.	Type	Antenna Gain (dBi)
1	Dawn	DB-896-960V-13-75-NV2	PANEL	13

Note: Although the antenna is not included in the shipment, it has been documented in this report as per the manufacturer's request.

1.2. EUT Information

EUT Power Type	From Host system
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1.3. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC CFR Title 47 Part 27 Subpart P
- FCC CFR Title 47 Part 2
- ANSI/TIA-603-E (2016)
- ANSI C63.26-2015
- FCC KDB 971168 D01 v03r01

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted Emission	HC-SR12	Max Chang	25~26 / 61~62	2025/05/26~2025/06/02
Radiated Emission	HC-CB02	Brook Cheng	25~26 / 61~62	2025/06/02~2025/06/09

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Test Item	Uncertainty
RF Output Power	± 1.16 dB
Occupied Bandwidth	± 217.9 Hz
Peak to Average Power Ratio	± 2.47 dB
Spurious Emissions	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz
Conducted Band Edge	± 2.47 dB
Frequency Stability	± 217.9 Hz

1.6. List of Test Equipment

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Wireless Conn. Tester	R&S	CMW500	157118	Simulator	2024/06/27	2025/06/26
Signal Analyzer	R&S	FSVA40	101455	10 Hz-40 GHz	2024/10/04	2025/10/03

HC-CB02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	10 Hz-40 GHz	2024/10/04	2025/10/03
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211211A18EN	1G-18GHz	2024/11/08	2025/11/07
Pre-Amplifier	EMEC	EM01G18GA	060741	1G-18 GHz, 50 dB	2025/04/14	2026/04/13
Wireless Conn. Tester	R&S	CMW500	157118	Simulator	2024/06/27	2025/06/26
Coaxial Cable	Huber+Suhner	SF104	HC-CB02	30 MHz-18 GHz, 13m	2024/08/13	2025/08/12
Coaxial Cable	Huber+Suhner, Rosnol	SF102_UP0264	HC-CB02-1	18-40 GHz, 3 m	2024/08/13	2025/08/12

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition			
Testing Voltage	Vnom (DC 3.8V)	Vmax (DC 4.1V)	Vmin (DC 3.5V)
Operational Climatic	Tnom (25°C)	Tmax (65°C)	Tmin (-40°C)

2.2. The Worst Case Measurement Configuration

Test Mode	LTE Band 106
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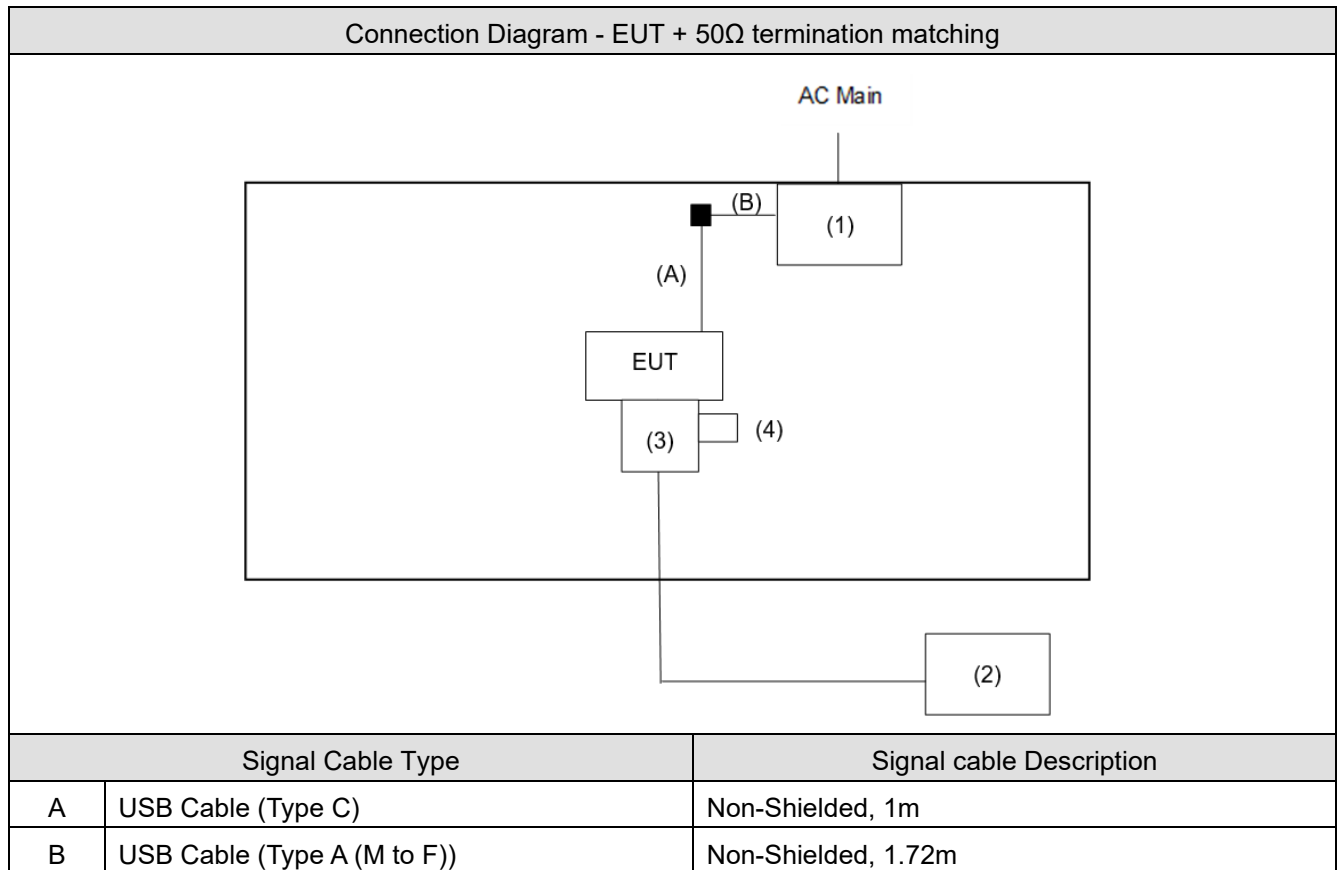
Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The device was tested under all bandwidths, RB configurations and modulations.
The worst case was found in "QPSK" and show in "Conducted Band Edge".
The worst case was found in "QPSK / 1.4 MHz" and show in "Spurious Emission".

2.3. Tested System Details

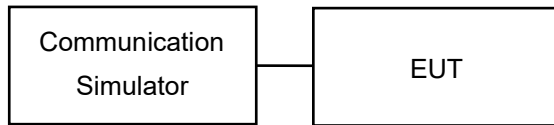
No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	DELL	Latitude E6320	7140157380
2	Base Station	R&S	CMW500	157118
3	2Way Divider	Woken	0120A02056802D	N/A
4	50 ohm	N/A	N/A	N/A

2.4. Configuration of Tested System



3. RF Output Power

3.1. Test Setup



3.2. Test Procedure

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum conducted RF output power under transmission mode and specific channel frequency. The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_C$$

where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

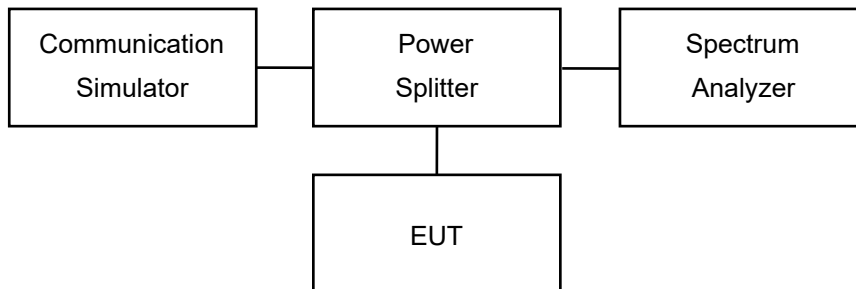
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB

3.3. Test Result of RF Output Power

Refer as Appendix A

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedures

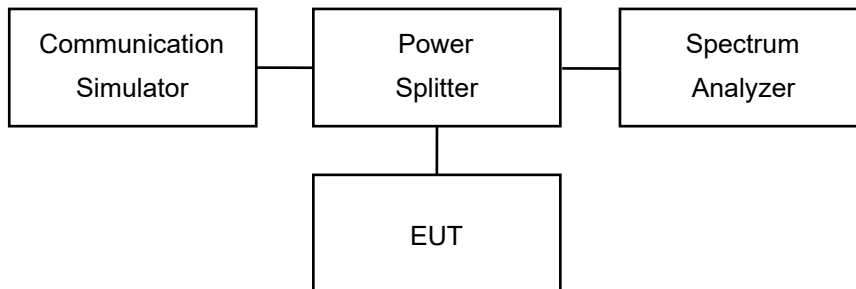
The EUT makes a call to the communication simulator. The 26dB bandwidth and 99% occupied bandwidth measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.

4.3. Test Result of Occupied Bandwidth

Refer as Appendix B

5. Peak to Average Power Ratio

5.1. Test Setup



5.2. Test Procedure

1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth.
3. Set the number of counts to a value that stabilizes the measured CCDF curve.
4. Record the maximum PAPR level associated with a probability of 0.1 %.

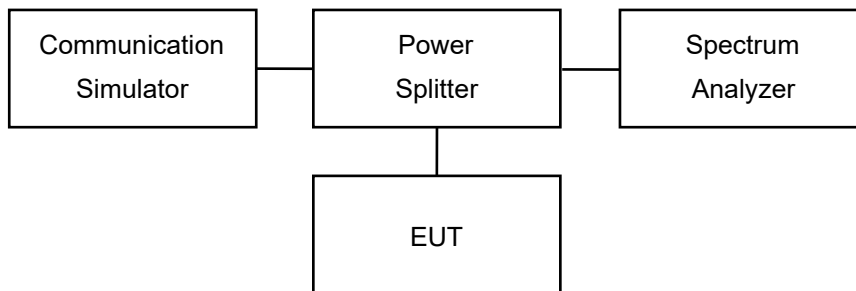
5.3. Test Result of Peak to Average Power Ratio

Refer as Appendix C

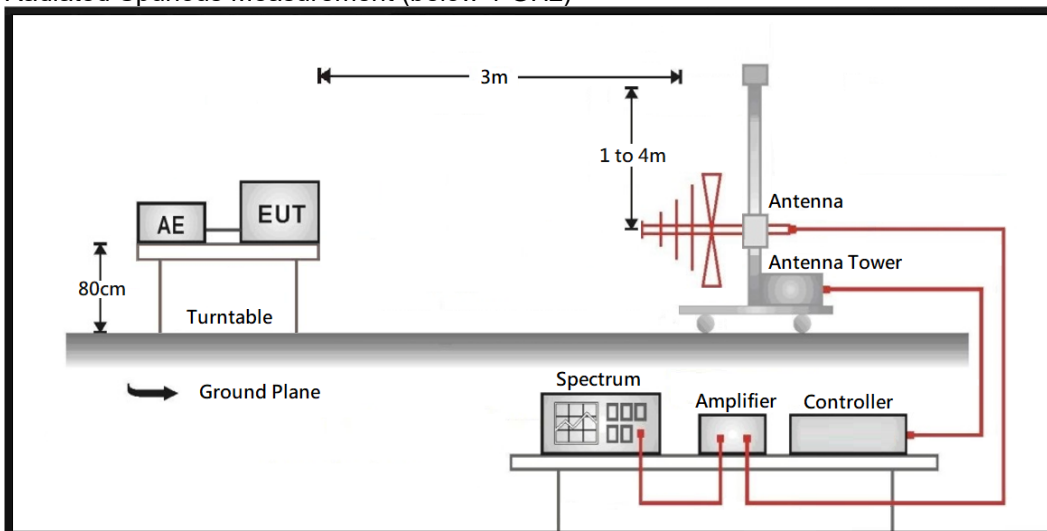
6. Spurious Emission

6.1. Test Setup

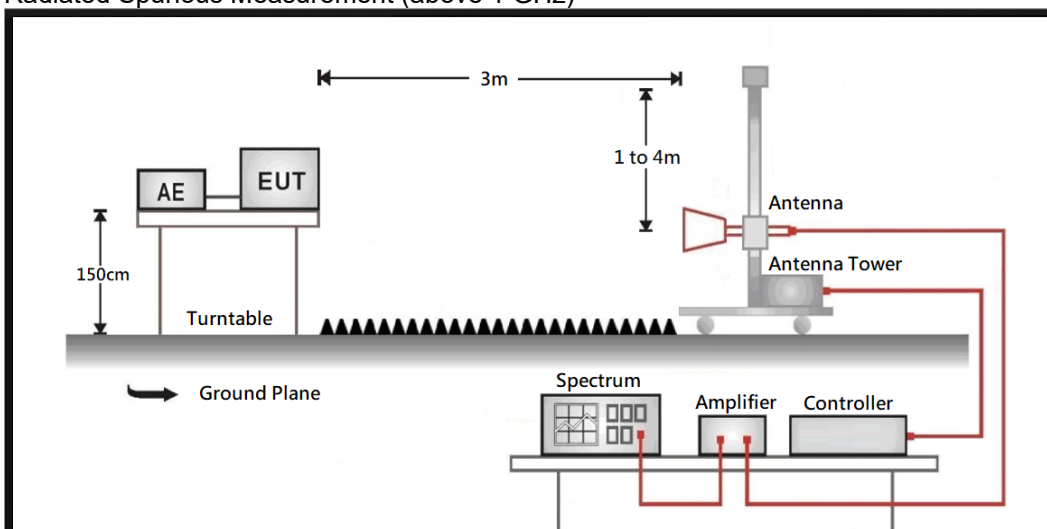
Conducted Spurious Measurement



Radiated Spurious Measurement (below 1 GHz)



Radiated Spurious Measurement (above 1 GHz)



6.2. Test Procedure

Conducted Spurious Measurement:

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

Radiated Spurious Measurement:

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic. Taking the record of maximum spurious emission.

Cabinet emissions measurements

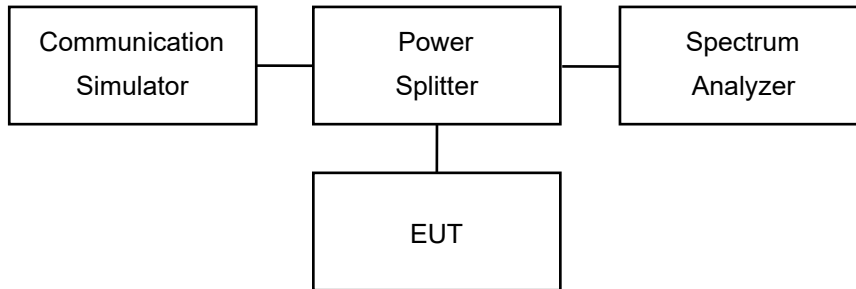
Due to antenna length or other restrictions, alternative solutions are permitted; antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to determine compliance provided

6.3. Test Result of Spurious Emission

Refer as Appendix D

7. Conducted Band Edge

7.1. Test Setup



7.2. Test Procedure

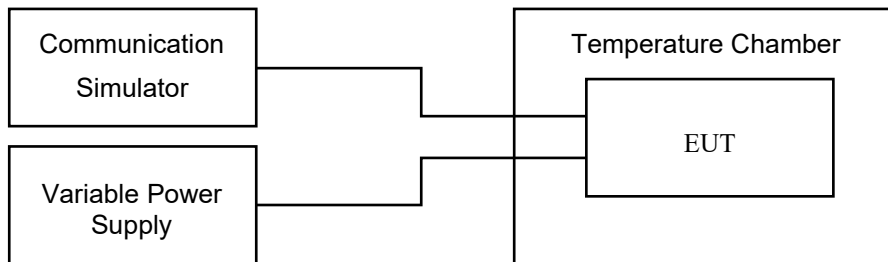
1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.

7.3. Test Result of Conducted Band Edge

Refer as Appendix E

8. Frequency Stability

8.1. Test Setup



8.2. Test Procedures

Frequency Stability under Temperature Variations:

The EUT under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a communication simulator. The EUT was placed inside the temperature chamber. Set the EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC or DC power supply to power the EUT and set the voltage to rated voltage. Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

8.3. Test Result of Frequency Stability

Refer as Appendix F

Appendix A. Test Result of RF Output Power & Power Spectral Density

Channel / Freq. (MHz)	Modulation	RB No.	RB offset	NB Position	Conducted Output Power (dBm)	ERP Power (W)	ERP Limit (W)
21632 898.2	QPSK	6	0	Low	28.58	8.770	10
	16QAM	5	0		28.26	8.147	10
21640 899	QPSK	6	0		28.47	8.551	10
	16QAM	5	0		28.46	8.531	10
21648 899.8	QPSK	6	0	High	28.54	8.690	10
	16QAM	5	1		28.55	8.710	10

Note:

1. ERP (W) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15
2. ERP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Appendix B. Test Result of Occupied Bandwidth

1RB

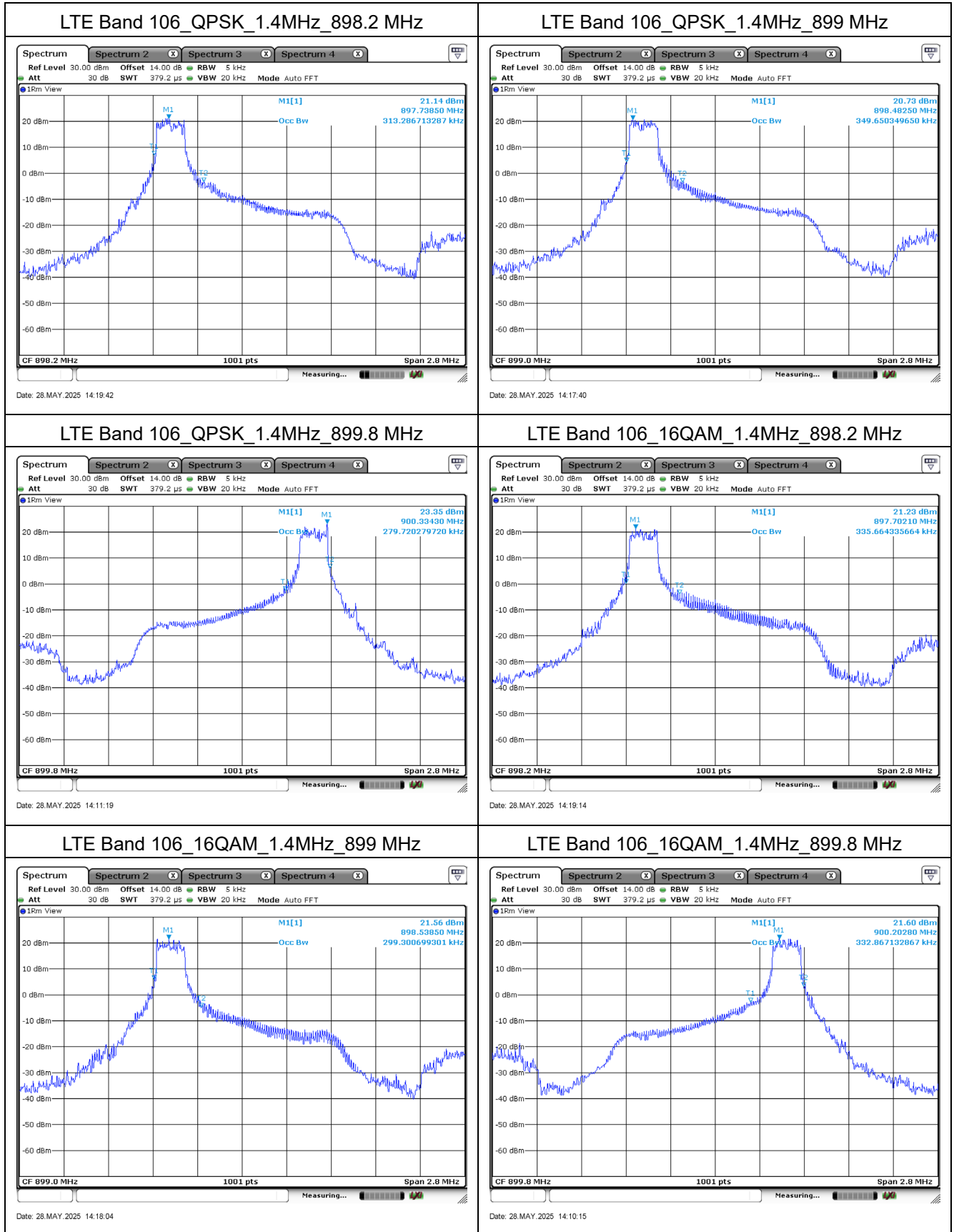
Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4M	QPSK	898.2	0.327	0.313	N/A
		899.0	0.335	0.349	N/A
		899.8	0.299	0.279	N/A
	16QAM	898.2	0.360	0.335	N/A
		899.0	0.324	0.299	N/A
		899.8	0.391	0.332	N/A

FRB

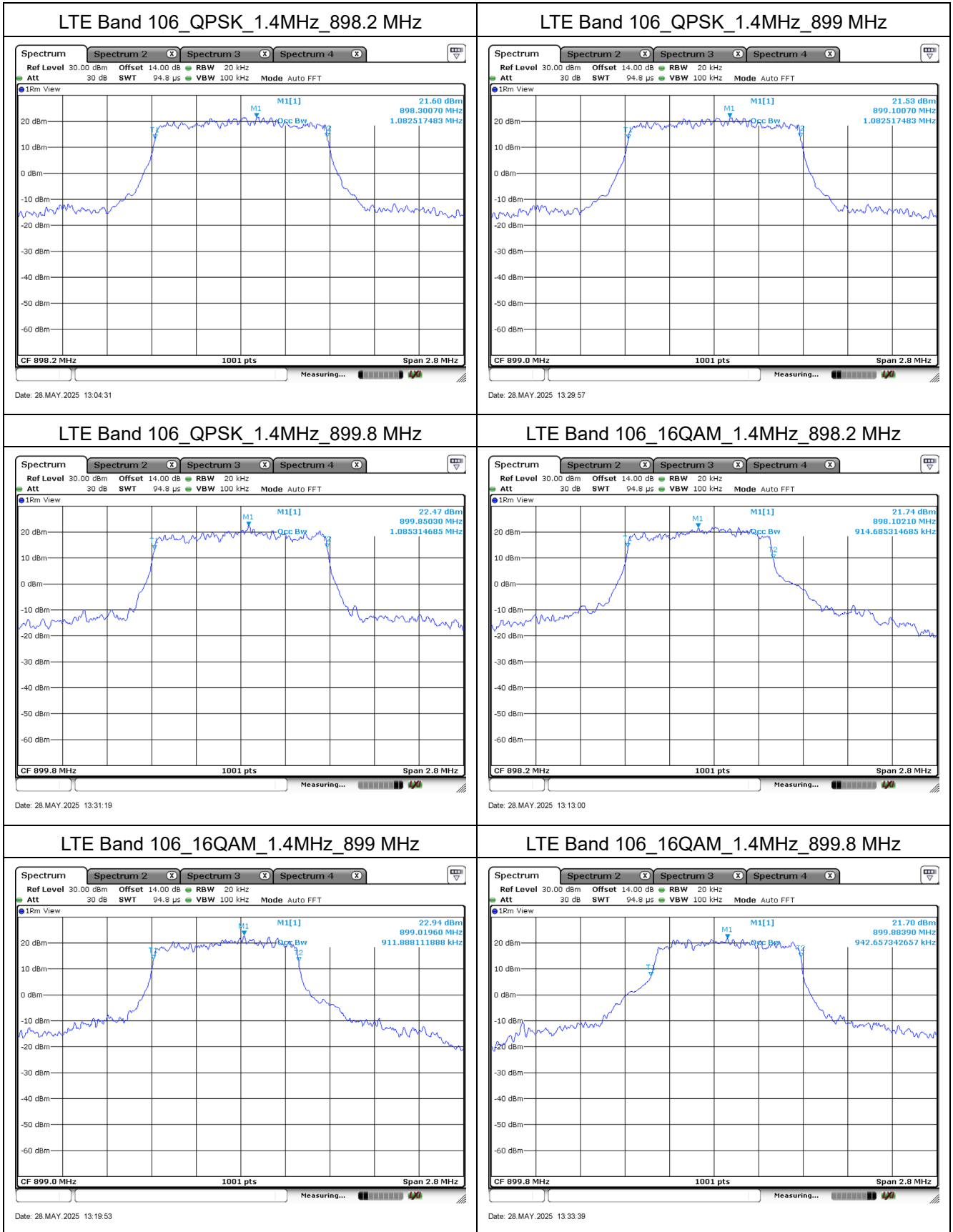
Bandwidth (MHz)	Modulation	Frequency (MHz)	Measure Level (MHz)		Limit (MHz)
			26dB BW	99% BW	
1.4M	QPSK	898.2	1.244	1.082	N/A
		899.0	1.278	1.082	N/A
		899.8	1.269	1.085	N/A
	16QAM	898.2	1.228	0.914	N/A
		899.0	1.180	0.911	N/A
		899.8	1.281	0.942	N/A

For 99% BW

1RB



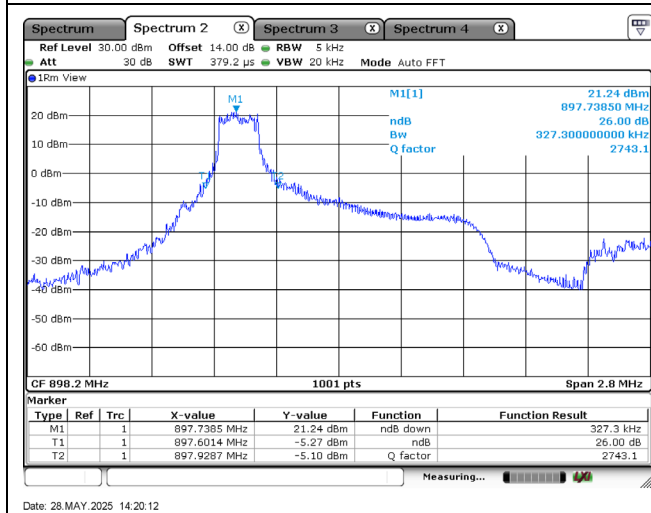
FRB



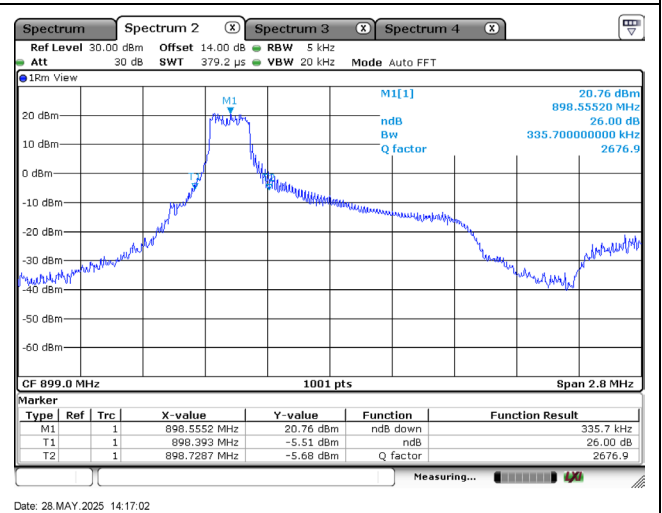
For 26dB BW

1RB

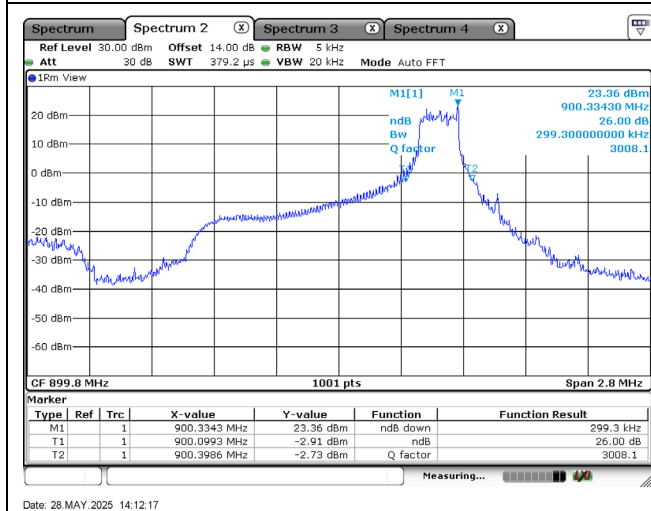
LTE Band 106_QPSK_1.4MHz_898.2 MHz



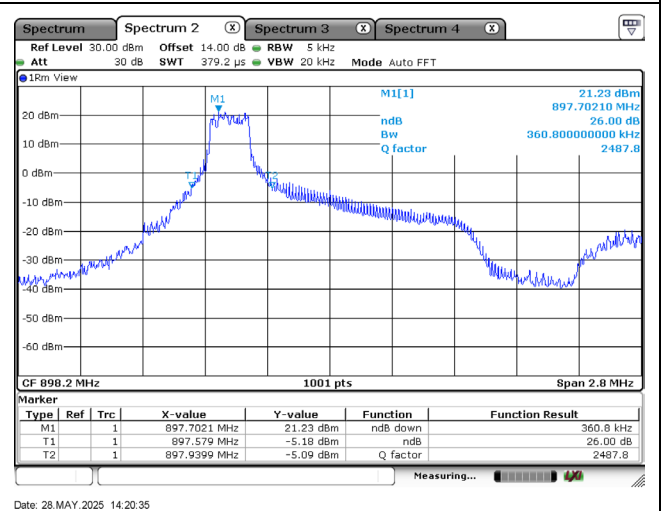
LTE Band 106_QPSK_1.4MHz_899 MHz



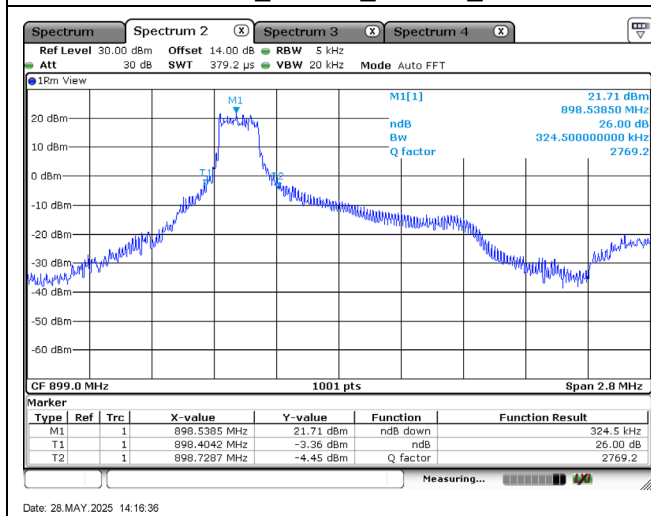
LTE Band 106_QPSK_1.4MHz_899.8 MHz



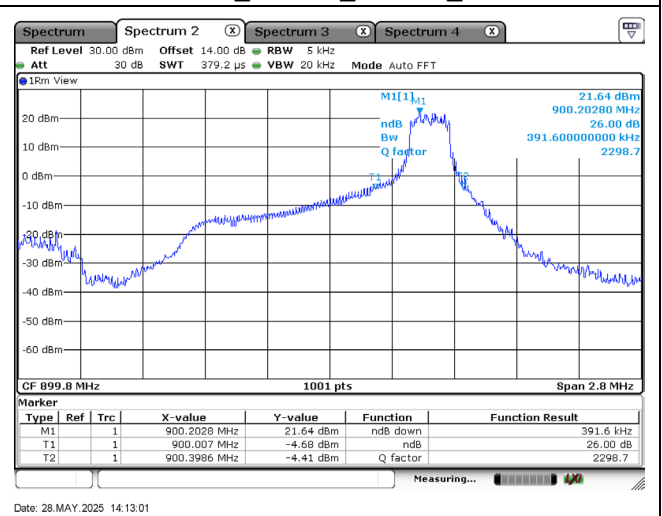
LTE Band 106_16QAM_1.4MHz_898.2 MHz



LTE Band 106_16QAM_1.4MHz_899 MHz

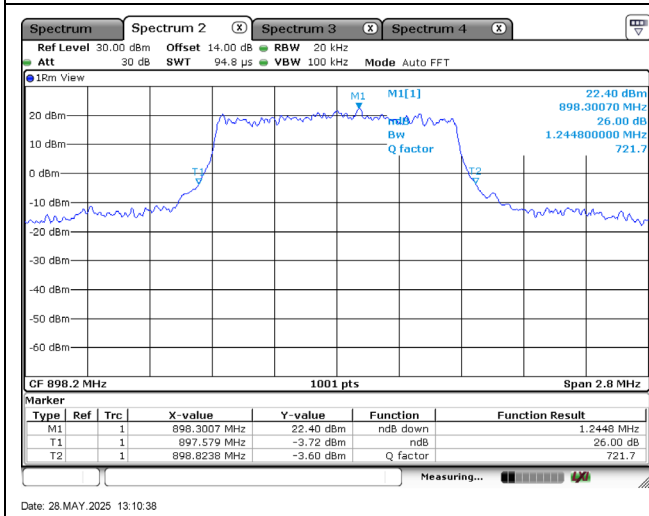


LTE Band 106_16QAM_1.4MHz_899.8 MHz

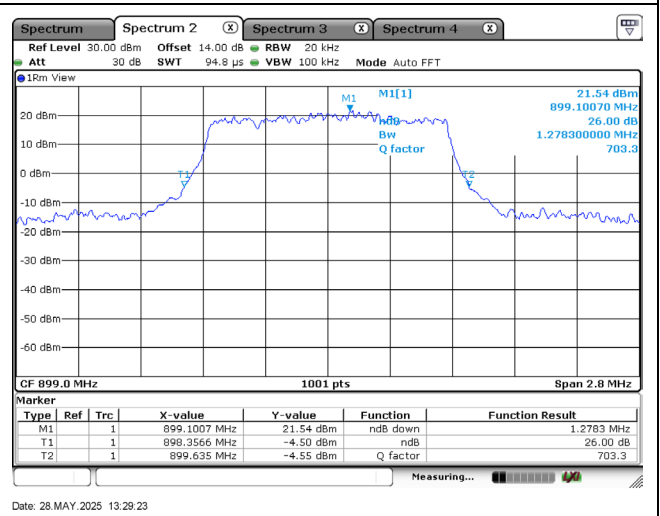


FRB

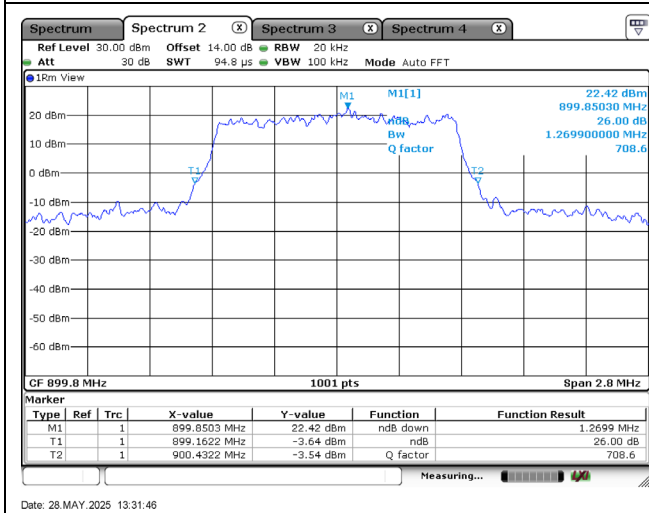
LTE Band 106_QPSK_1.4MHz_898.2 MHz



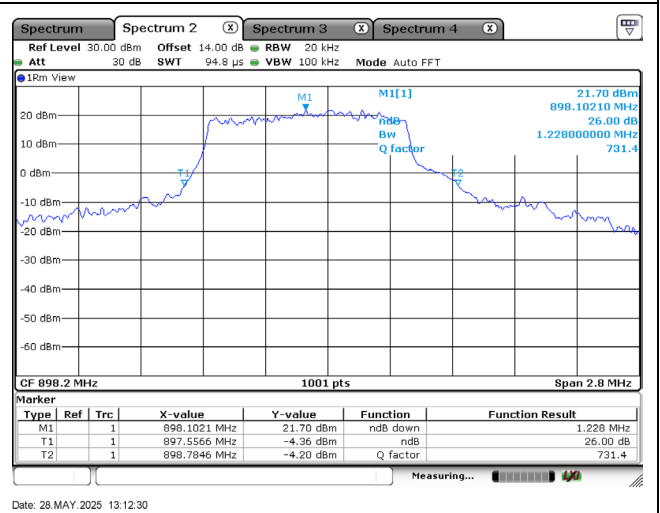
LTE Band 106_QPSK_1.4MHz_899 MHz



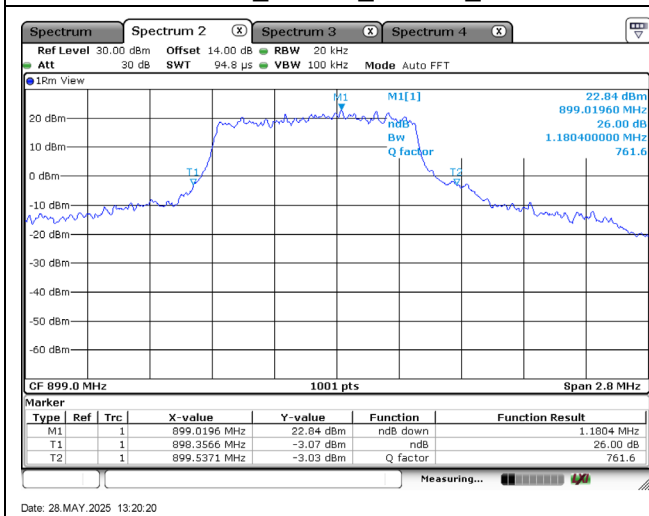
LTE Band 106_QPSK_1.4MHz_899.8 MHz



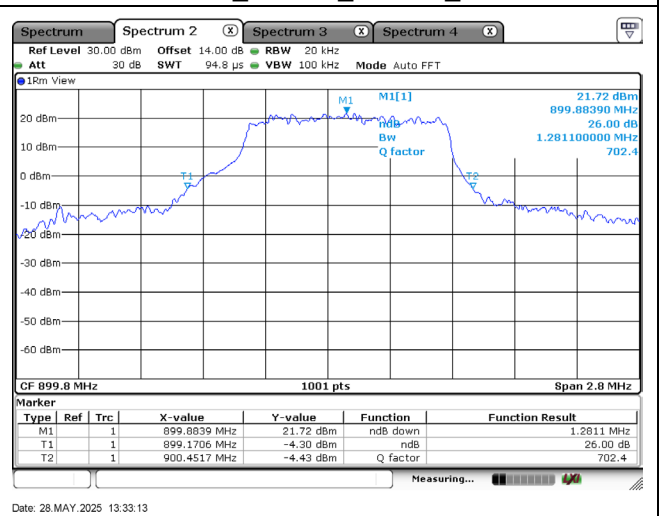
LTE Band 106_16QAM_1.4MHz_898.2 MHz

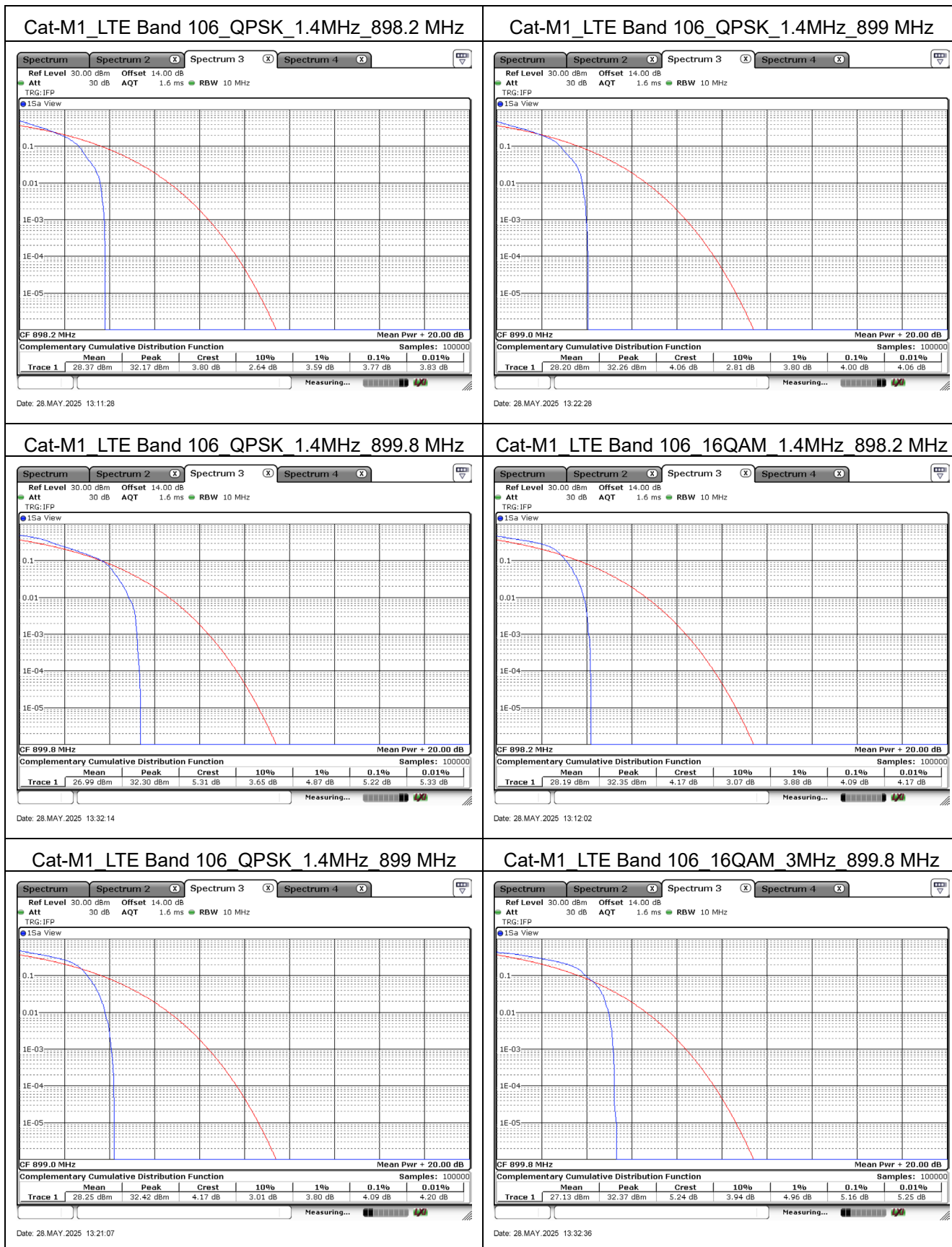


LTE Band 106_16QAM_1.4MHz_899 MHz



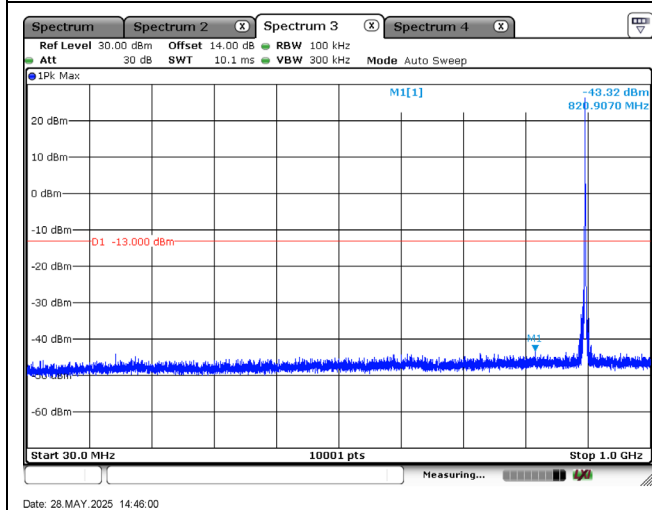
LTE Band 106_16QAM_1.4MHz_899.8 MHz



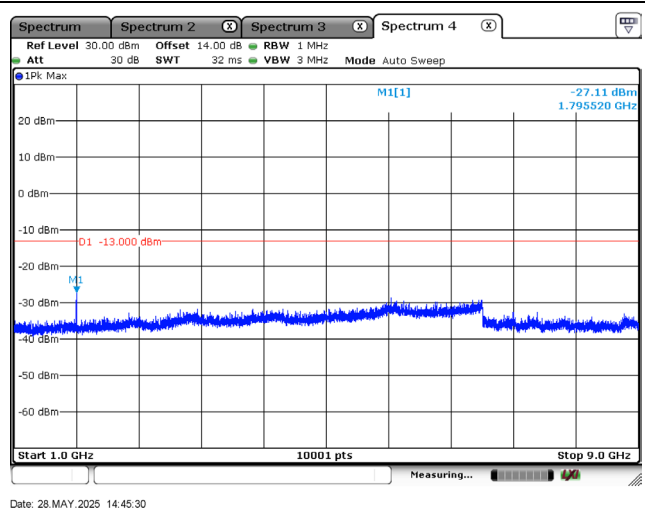
Appendix C. Test Result of Peak to Average Power Ratio

Appendix D.1 Test Result of Conducted Spurious Emission

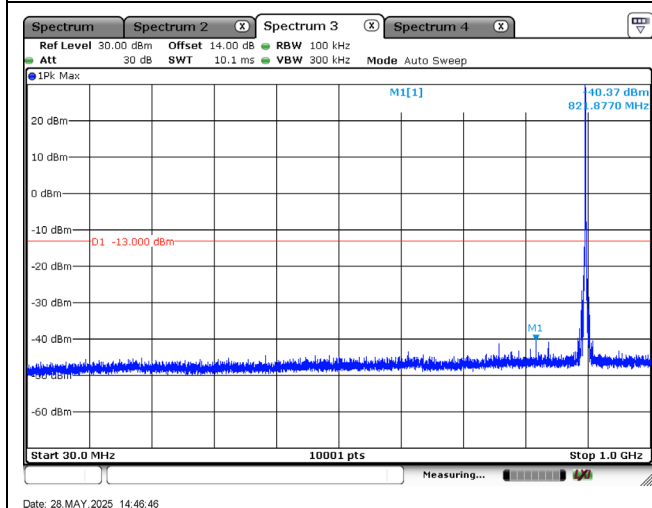
LTE Band 106_1.4M_QPSK_898.2 MHz_Below 1GHz



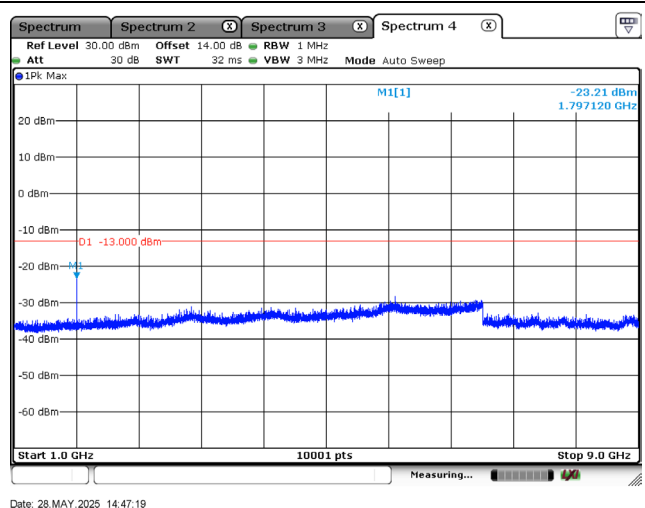
LTE Band 106_1.4M_QPSK_898.2 MHz_Above 1GHz



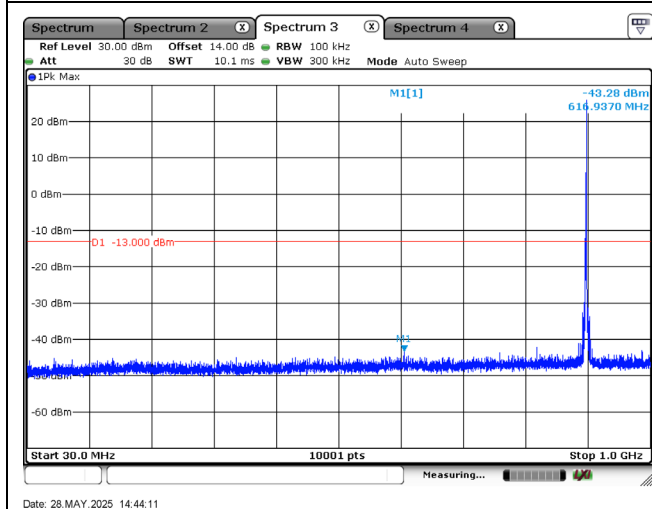
LTE Band 106_1.4M_QPSK_899 MHz_Below 1GHz



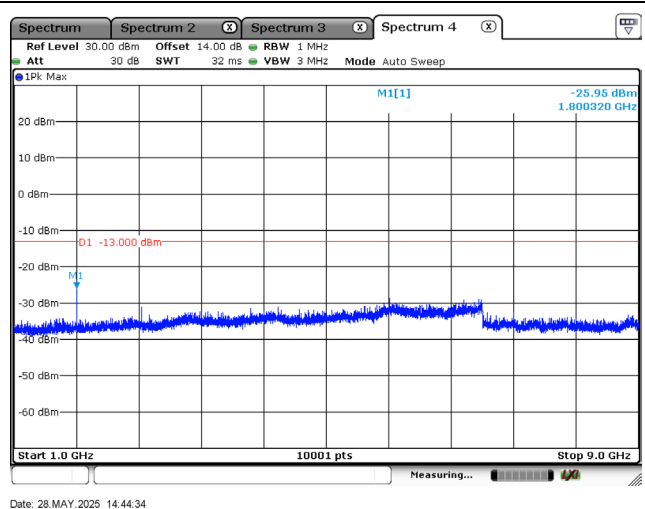
LTE Band 106_1.4M_QPSK_899 MHz_Above 1GHz



LTE Band 106_1.4M_QPSK_899.8 MHz_Below 1GHz



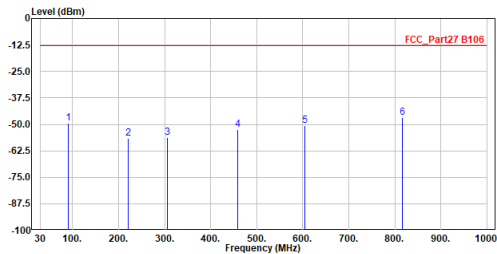
LTE Band 106_1.4M_QPSK_899.8 MHz_Above 1GHz



Appendix D.2 Test Result of Radiated Spurious Emission

30 MHz ~ 1GHz

Site :HC-CB02
Condition :3m Horizontal
Mode :CAT-M1_8106_899MHz_LF
Test By :Brook Cheng

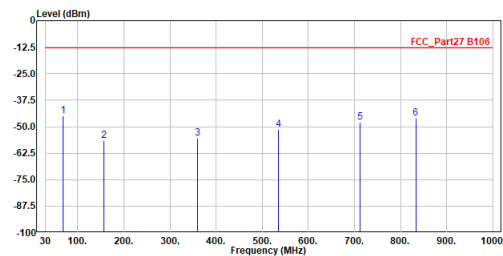


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	90.043	-49.43	-13.00	-36.43	-64.35	14.92	Peak
2	220.411	-56.54	-13.00	-43.54	-73.44	16.90	Peak
3	305.383	-56.04	-13.00	-43.04	-76.68	20.64	Peak
4	458.352	-52.49	-13.00	-39.49	-76.97	24.48	Peak
5	603.658	-50.55	-13.00	-37.55	-77.98	27.43	Peak
6	815.506	-46.76	-13.00	-33.76	-76.65	29.89	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :CAT-M1_8106_899MHz_LF
Test By :Brook Cheng



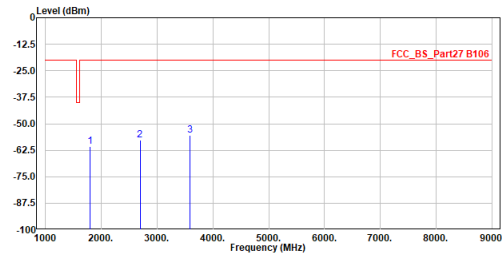
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	68.703	-45.05	-13.00	-32.05	-64.88	19.83	Peak
2	156.779	-56.62	-13.00	-43.62	-77.24	20.62	Peak
3	360.285	-55.33	-13.00	-42.33	-77.13	21.80	Peak
4	535.273	-51.27	-13.00	-38.27	-76.97	25.70	Peak
5	712.007	-48.00	-13.00	-35.00	-76.71	28.71	Peak
6	832.772	-46.11	-13.00	-33.11	-76.32	30.21	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Above 1 GHz

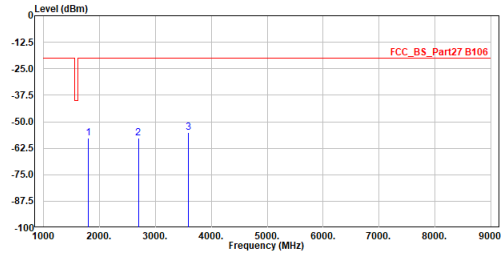
Site :HC-CB02
Condition :3m Horizontal
Mode :CAT-M1_B106_898.2Mhz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1796.400	-60.88	-20.00	-40.88	-46.91	-13.97	Peak
2	2694.600	-57.74	-20.00	-37.74	-47.00	-10.74	Peak
3	3592.800	-55.38	-20.00	-35.38	-47.63	-7.75	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

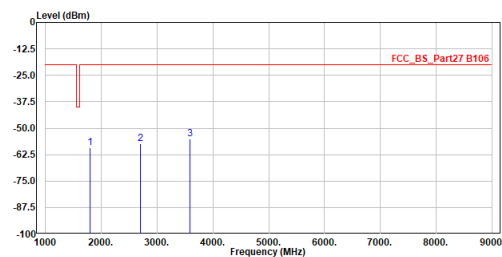
Site :HC-CB02
Condition :3m Vertical
Mode :CAT-M1_B106_898.2Mhz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1796.400	-57.66	-20.00	-37.66	-43.69	-13.97	Peak
2	2694.600	-57.59	-20.00	-37.59	-46.85	-10.74	Peak
3	3592.800	-55.09	-20.00	-35.09	-47.34	-7.75	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

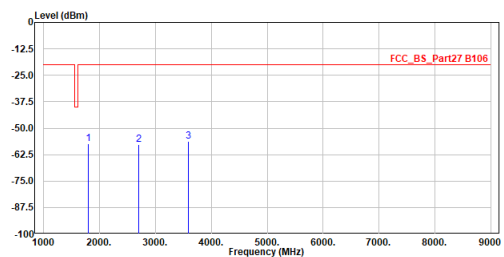
Site :HC-CB02
Condition :3m Horizontal
Mode :CAT-M1_B106_899Mhz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1798.000	-59.19	-20.00	-39.19	-45.22	-13.97	Peak
2	2697.000	-57.47	-20.00	-37.47	-46.73	-10.74	Peak
3	3596.000	-55.20	-20.00	-35.20	-47.46	-7.74	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

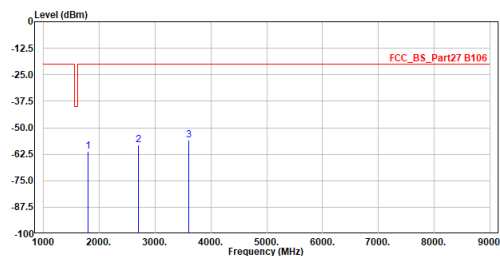
Site :HC-CB02
Condition :3m Vertical
Mode :CAT-M1_B106_899Mhz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1798.000	-57.46	-20.00	-37.46	-43.49	-13.97	Peak
2	2697.000	-57.60	-20.00	-37.60	-46.86	-10.74	Peak
3	3596.000	-56.04	-20.00	-36.04	-48.30	-7.74	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HC-CB02
Condition :3m Horizontal
Mode :CAT-M1_B106_899.8MHz
Test By :Brook Cheng

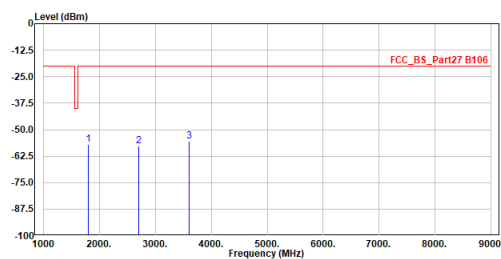


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	1799.600	-61.01	-20.00	-41.01	-47.05	-13.96	Peak
2	2699.400	-58.01	-20.00	-38.01	-47.28	-10.73	Peak
3	3599.200	-55.75	-20.00	-35.75	-48.03	-7.72	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :CAT-M1_B106_899.8MHz
Test By :Brook Cheng



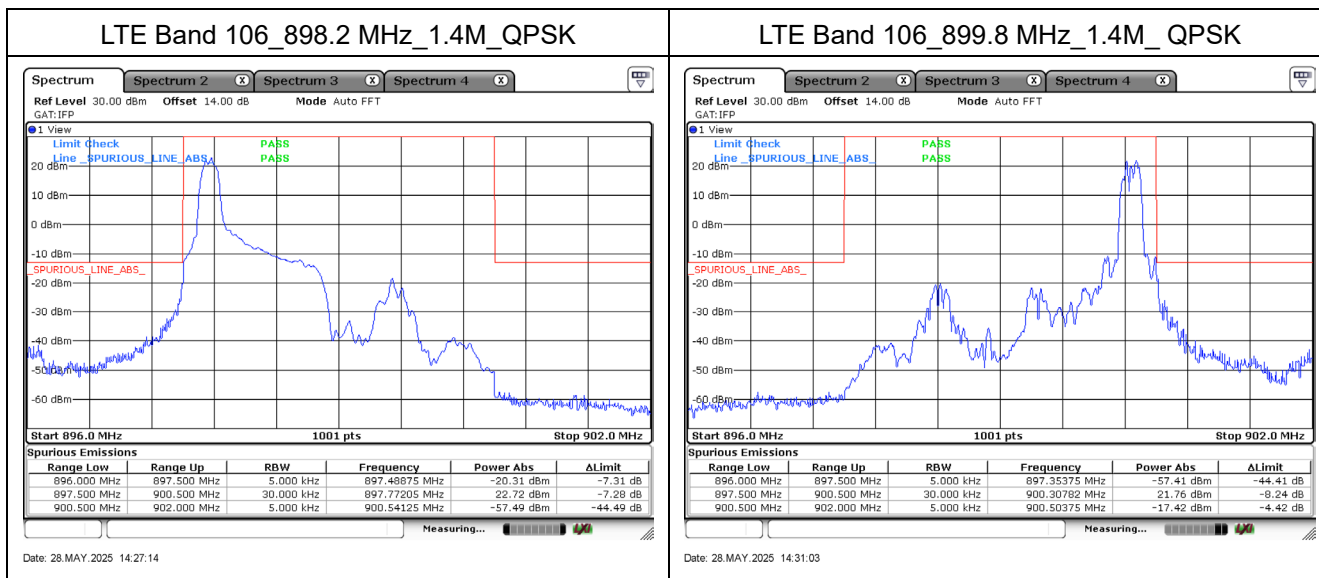
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	1799.600	-56.93	-20.00	-36.93	-42.97	-13.96	Peak
2	2699.400	-57.62	-20.00	-37.62	-46.89	-10.73	Peak
3	3599.200	-55.56	-20.00	-35.56	-47.84	-7.72	Peak

Note:

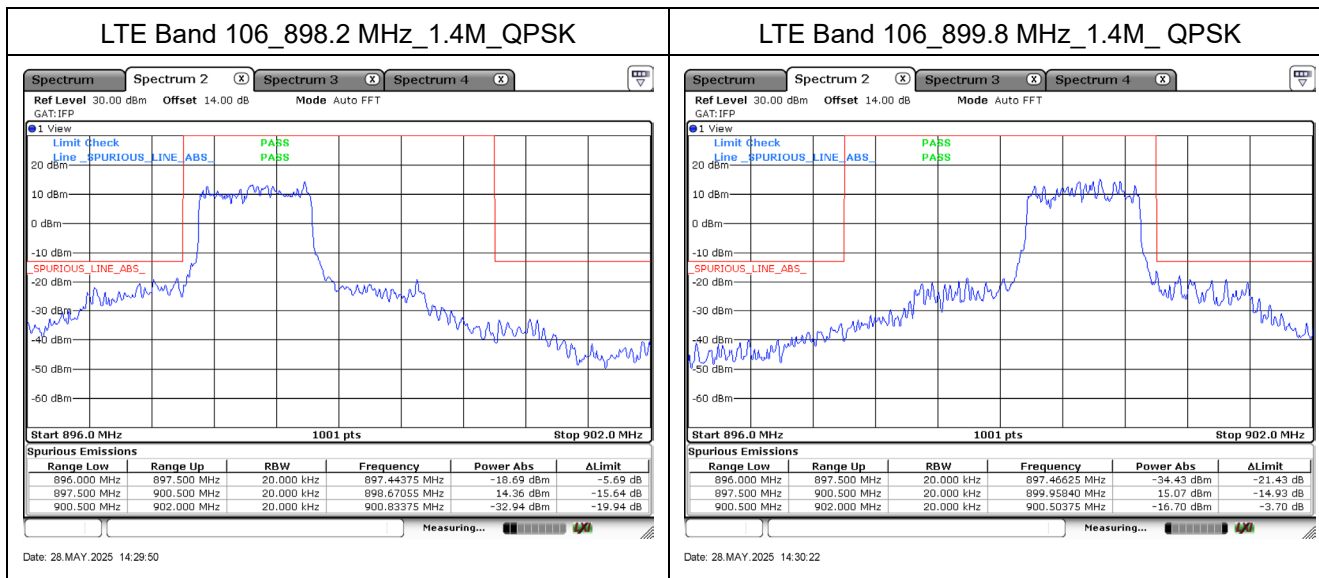
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Appendix E. Test Result of Conducted Band Edge

1RB



FRB



Appendix F. Test Result of Frequency Stability**LTE Band 106 / 1.4 MHz / 898.2 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.10	-2.44	-0.0027
3.80	-2.60	-0.0029
3.50	-2.31	-0.0026

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	-3.41	-0.0038
-30	-3.06	-0.0034
-20	-2.97	-0.0033
-10	-3.21	-0.0036
0	-2.35	-0.0026
10	-3.85	-0.0043
20	-2.91	-0.0032
30	-2.21	-0.0025
40	-3.31	-0.0037
50	-3.14	-0.0035
60	-3.30	-0.0037
65	-3.30	-0.0037

LTE Band 106 / 1.4 MHz / 899 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.10	-2.10	-0.0023
3.80	-2.70	-0.0030
3.50	-2.93	-0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	-2.41	-0.0027
-30	-3.90	-0.0043
-20	-2.71	-0.0030
-10	-2.70	-0.0030
0	-2.96	-0.0033
10	-2.36	-0.0026
20	-3.77	-0.0042
30	-2.59	-0.0029
40	-2.27	-0.0025
50	-3.43	-0.0038
60	-3.63	-0.0040
65	-1.95	-0.0022

LTE Band 106 / 1.4 MHz / 899.8 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.10	-5.68	-0.0063
3.80	-5.10	-0.0057
3.50	-6.62	-0.0074

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	-5.35	-0.0059
-30	-6.29	-0.0070
-20	-5.96	-0.0066
-10	-5.18	-0.0058
0	-6.04	-0.0067
10	-5.34	-0.0059
20	-5.48	-0.0061
30	-5.82	-0.0065
40	-5.40	-0.0060
50	-5.09	-0.0057
60	-4.72	-0.0052
65	-5.91	-0.0066