



TESTREPORT

Applicant Name : Teleworld FZCO
Address : C16 Warehouse Dubai Airport Free Zone
Report Number : SZNS220908-40742E-RF-00A
FCC ID: 2A8I7DG10

Test Standard (s)

FCC PART 27

Sample Description

Product Type: CBRS USB Dongle
Model No.: DG10
Multiple Model(s) No.: N/A
Trade Mark: Horizon
Date Received: 2022/09/08
Report Date: 2022/11/10

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Approved By:

Andy Yu
EMC Engineer

Candy Li
EMC Engineer

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Shenzhen Accurate Technology Co., Ltd. This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA* or any agency of the Federal Government. * This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk “*” .
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	LTE Band 41: 2496-2690MHz(TX/RX)
Modulation Technique	4G: QPSK, 16QAM
Carrier Aggregation	Only Downlink Carrier Aggregation Support
Antenna Specification*	LTE Band 41 :3.6dBi (provided by the applicant)
Voltage Range	DC 5V from USB
Sample serial number	SZNS220908-40742E-RF-S1 (Assigned by ATC)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J and Part 27 of the Federal Communication Commission's rules.

The objective is to determine the compliance of the EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 27 - Miscellaneous Wireless Communications Services

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		±0.73dB
Unwanted Emission, conducted		±1.6dB
RF Frequency		±0.082*10 ⁻⁷
Emissions, Radiated	30MHz - 1GHz	±4.28dB
	1GHz - 18GHz	±4.98dB
	18GHz - 26.5GHz	±5.06dB
Temperature		±1 °C
Humidity		±6%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISED), the Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The final qualification test was performed with the EUT operating at normal mode.

Test was performed as below table:

Frequency band	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
LTE B41	5	2498.5	2593	2687.5
	10	2501	2593	2685
	15	2503.5	2593	2682.5
	20	2506	2593	2680

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

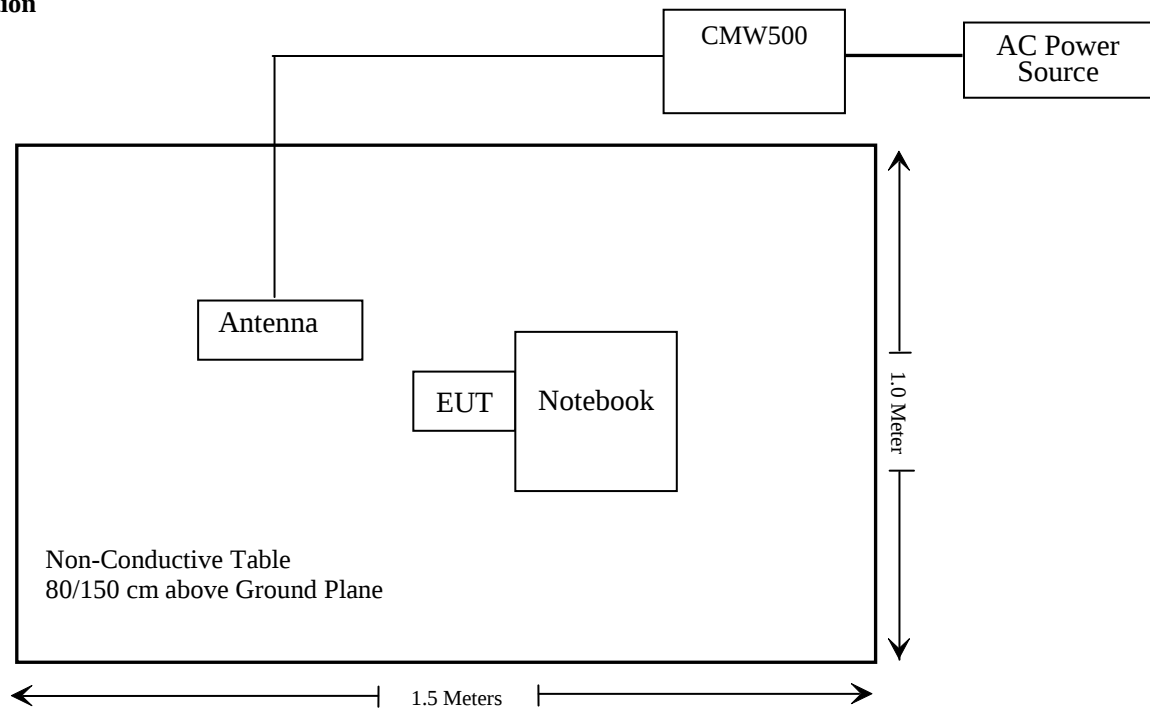
Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-11621 8-UY
Dell	Notbook	15md-4528s	1

Support Cable Description

Cable Description	Length (m)	From / Port	To
Unshielded Un-detachable AC cable	1.2	AC Power	CMW500

Block Diagram of Test Setup

For Radiation



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§ 1.1307 , §2.1093	RF Exposure (SAR)	Compliant*
§2.1046; §27.50 (h);	RF Output Power	Compliant
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; §27.53;	Occupied Bandwidth	Compliant
§ 2.1051; §27.53;	Spurious Emissions at Antenna Terminal	Compliant
§ 2.1053; §27.53;	Field Strength of Spurious Radiation	Compliant
§2.1049, §27.53(m);	Out-Of-Band Emissions and Band Edge	Compliant
§ 2.1055; §27.54;	Frequency stability	Compliant

Note: * Please refer to SAR report number:SZNS220908-40742E-SA.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Rohde& Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
Rohde&Schwarz	Spectrum Analyzer	FSV40	101949	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/09	2022/11/08
A.H. Systems, inc.	Preamplifier	PAM-0118P	135	2021/11/09	2022/11/08
Quinstar	Amplifier	QLW-1840553 6-J0	15964001002	2021/11/11	2022/11/10
Unknown	RF Coaxial Cable	No.10	N050	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.11	N1000	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.14	N800	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.15	N600	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.16	N650	2021/12/14	2022/12/13
Schwarzbeck	Bilog Antenna	VULB9163	9163-194	2020/01/05	2023/01/04
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-655	2020/01/05	2023/01/04
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-1067	2020/01/05	2023/01/04
PASTERNAK	Horn Antenn	PE9852/2F-20	1120 (ATC-BA-024-1)	2020/01/05	2023/01/04
PASTERNAK	Horn Antenn	PE9852/2F-20	1120 (ATC-BA-025-1)	2020/01/05	2023/01/04
PASTERNAK	Horn Antenn	PE9850/2F-20	720 (ATC-BA-024)	2020/01/05	2023/01/04
PASTERNAK	Horn Antenn	PE9850/2F-20	720 (ATC-BA-025)	2020/01/05	2023/01/04
Agilent	Signal Generator	N5183A	MY51040755	2021/12/13	2022/12/12

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Rohde&Schwarz	Spectrum Analyzer	FSV-40	101495	2021/12/13	2022/12/12
SPECTRUM ANALYZER	Rohde & Schwarz	FSU26	200982	2022/07/05	2023/07/04
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	154606	2021/12/13	2022/12/12
Mini-Circuits	Power Splitter	DC-18000MHz	SF10944151S	2021/12/14	2022/12/13
WEINSCHL	10dB Attenuator	5324	AU 3842	2021/12/14	2022/12/13
Gongwen	Temp. & Humid. Chamber	HSD-500	109	2022/10/14	2023/10/13
Fluke	Multi Meter	45	7664009	2021/12/14	2022/12/13
Manson	DC Power Source	KPS-6604	ATCS-205	NCR	NCR
Unknown	RF Cable	Unknown	1	Each time	/

* Statement of Traceability: Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307(b)& §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: SZNS220908-40742E-SA.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC §2.1047(d), Part 27, there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC § 2.1046& §27.50 (h); - RF OUTPUT POWER**Applicable Standard**

According to §27.50(h), the maximum EIRP must not exceed 2Watts (33dBm) for 2496-2690 MHz.

Test Procedure

Conducted method:

The RF output of the transmitter was connected to the CMW500 through sufficient attenuation.



Note: the path loss (cable loss and attenuator) was included to the test result.

Test Data**Environmental Conditions**

Temperature:	26.1-27.2 °C
Relative Humidity:	57.3-63.2 %
ATM Pressure:	101.0 kPa

The testing was performed by Cat Kang on 2022-09-12 and 2022-11-09.

LTE Band 41

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	17.77	17.42	17.36	21.37	21.02	20.96
		RB1#13	17.80	17.23	17.11	21.40	20.83	20.71
		RB1#24	17.97	17.40	17.36	21.57	21.00	20.96
		RB15#0	17.92	17.41	17.27	21.52	21.01	20.87
		RB15#10	17.80	17.41	17.35	21.40	21.01	20.95
		RB25#0	17.76	17.37	17.19	21.36	20.97	20.79
	16QAM	RB1#0	17.86	17.65	17.38	21.46	21.25	20.98
		RB1#13	17.81	17.60	17.14	21.41	21.20	20.74
		RB1#24	18.09	17.64	17.50	21.69	21.24	21.10
		RB15#0	17.90	17.47	17.21	21.50	21.07	20.81
		RB15#10	17.90	17.46	17.29	21.50	21.06	20.89
		RB25#0	17.88	17.46	17.21	21.48	21.06	20.81
10.0	QPSK	RB1#0	18.01	17.35	18.30	21.61	20.95	21.90
		RB1#25	18.03	17.23	18.17	21.63	20.83	21.77
		RB1#49	18.27	17.44	18.32	21.87	21.04	21.92
		RB25#0	17.83	17.12	18.05	21.43	20.72	21.65
		RB25#25	17.96	17.11	18.06	21.56	20.71	21.66
		RB50#0	17.95	17.10	18.11	21.55	20.70	21.71
	16QAM	RB1#0	17.89	17.44	18.45	21.49	21.04	22.05
		RB1#25	17.92	17.32	18.33	21.52	20.92	21.93
		RB1#49	18.17	17.54	18.46	21.77	21.14	22.06
		RB25#0	17.84	17.16	18.03	21.44	20.76	21.63
		RB25#25	17.97	17.16	18.04	21.57	20.76	21.64
		RB50#0	17.93	17.14	18.09	21.53	20.74	21.69

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	18.06	17.59	18.18	21.66	21.19	21.78
		RB1#38	17.77	16.88	17.84	21.37	20.48	21.44
		RB1#74	18.22	17.54	18.36	21.82	21.14	21.96
		RB36#0	17.66	16.90	17.64	21.26	20.50	21.24
		RB36#39	17.79	16.94	17.86	21.39	20.54	21.46
		RB75#0	17.68	16.91	17.83	21.28	20.51	21.43
	16QAM	RB1#0	17.96	17.80	18.33	21.56	21.40	21.93
		RB1#38	17.68	17.27	18.01	21.28	20.87	21.61
		RB1#74	18.11	17.76	18.50	21.71	21.36	22.10
		RB36#0	17.58	16.97	17.63	21.18	20.57	21.23
		RB36#39	17.73	17.07	17.84	21.33	20.67	21.44
		RB75#0	17.65	16.93	17.80	21.25	20.53	21.40
20.0	QPSK	RB1#0	18.03	18.46	17.84	21.63	22.06	21.44
		RB1#50	17.86	17.85	17.54	21.46	21.45	21.14
		RB1#99	18.34	18.43	18.18	21.94	22.03	21.78
		RB50#0	17.85	17.81	17.54	21.45	21.41	21.14
		RB50#50	17.90	17.79	17.72	21.50	21.39	21.32
		RB100#0	17.90	17.81	17.58	21.50	21.41	21.18
	16QAM	RB1#0	18.00	18.67	17.86	21.60	22.27	21.46
		RB1#50	17.84	18.06	17.58	21.44	21.66	21.18
		RB1#99	18.33	18.66	18.17	21.93	22.26	21.77
		RB50#0	17.88	17.86	17.54	21.48	21.46	21.14
		RB50#50	17.93	17.82	17.83	21.53	21.42	21.43
		RB100#0	17.90	17.83	17.56	21.50	21.43	21.16

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi)-Cable Loss(dB)

For Band38: Antenna Gain = 3.6dBi

The Cable Loss has included in the antenna gain

Limit: EIRP ≤ 33dBm

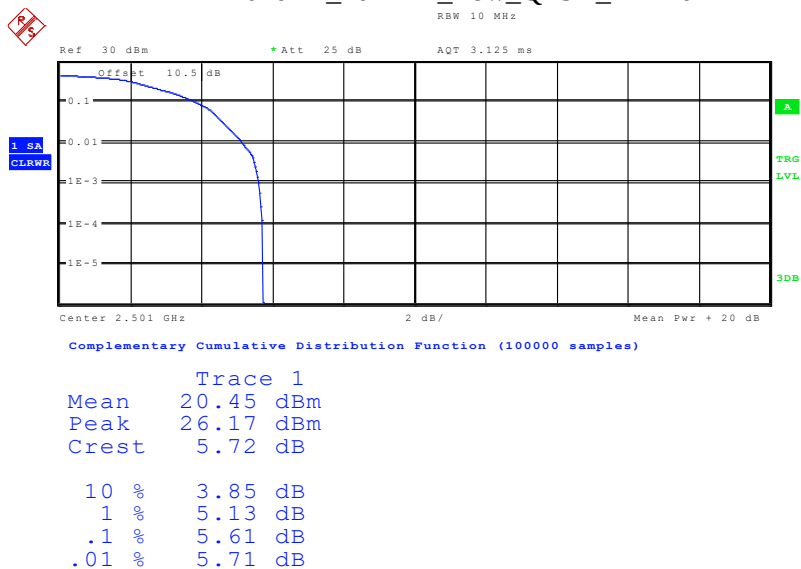
Peak-to-average ratio (PAR)

Note: Pre-scan all bandwidth, the worst case as below:

LTE Band 41 20MHz Bandwidth

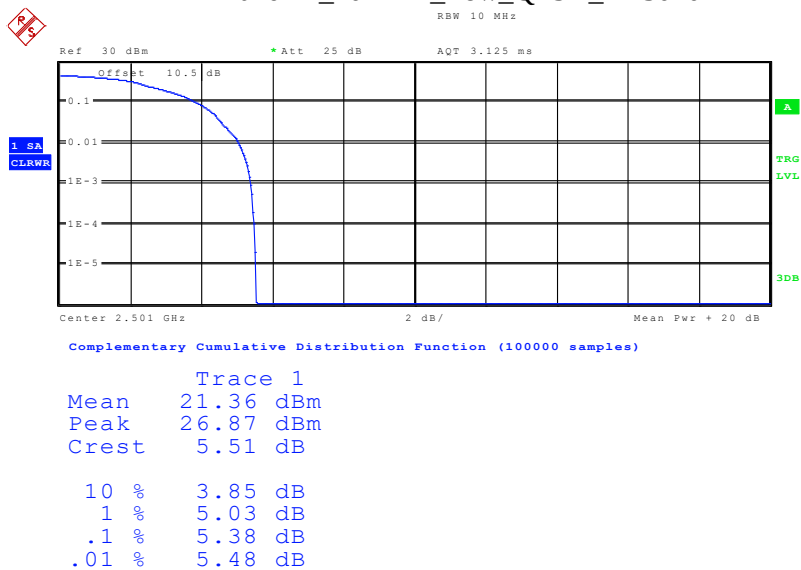
Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	5.61	5.29	5.32	13	Pass
QPSK (100RB Size)	5.38	6.70	6.63	13	Pass
16QAM (1RB Size)	5.71	5.42	5.58	13	Pass
16QAM (100RB Size)	7.12	7.15	7.15	13	Pass

Band 41_20 MHz_Low_QPSK_RB1#0

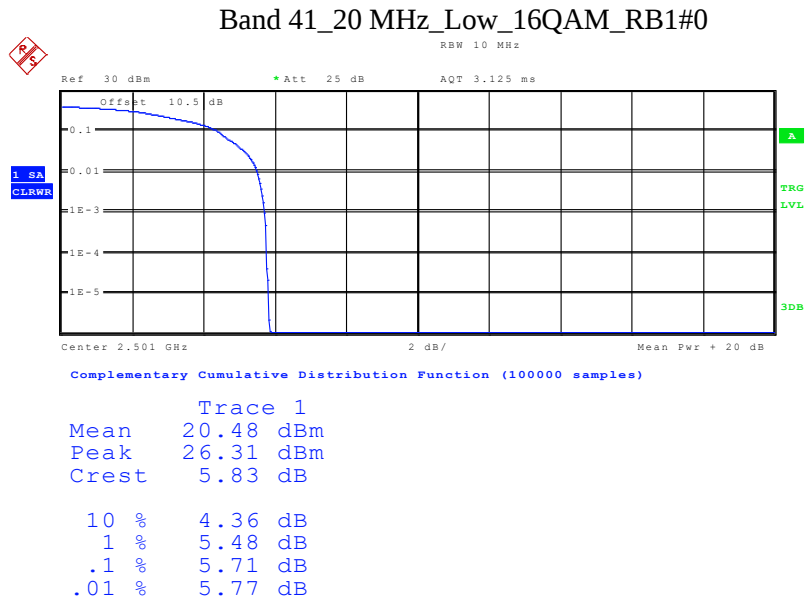


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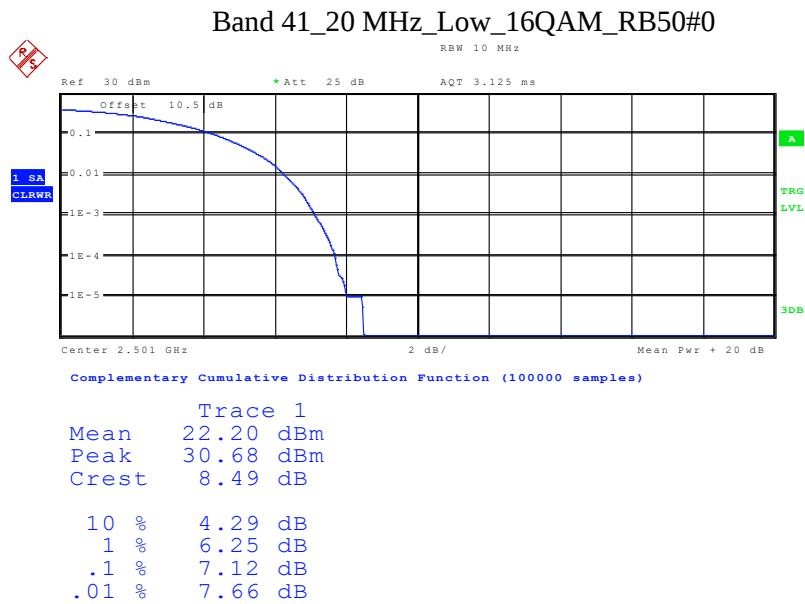
Band 41_20 MHz_Low_QPSK_RB50#0



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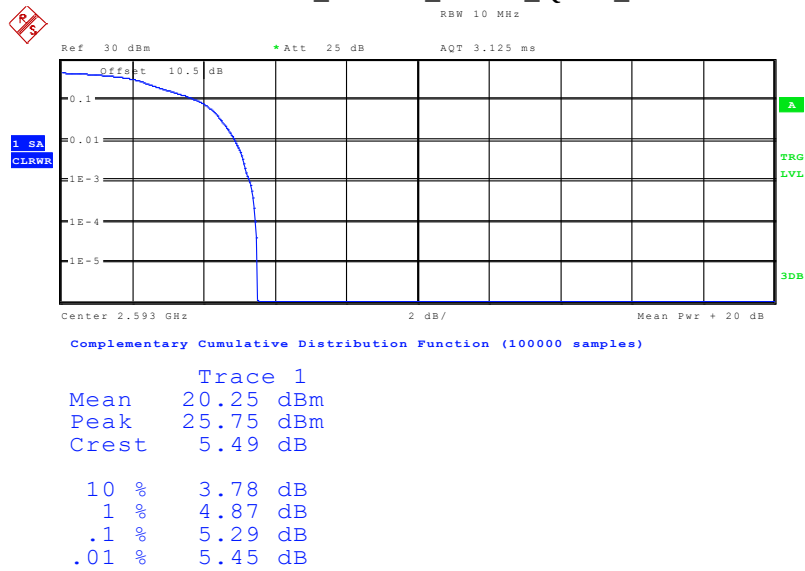


Date: 9.NOV.2022 10:59:33



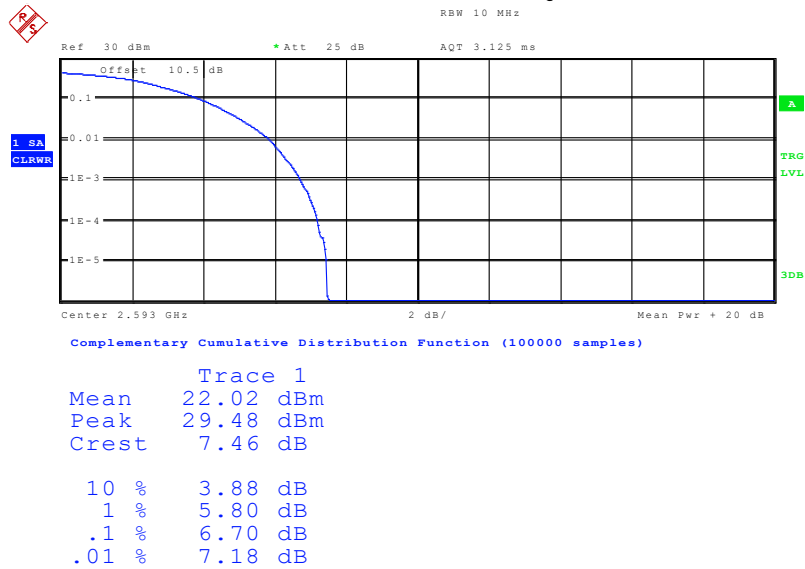
Date: 9.NOV.2022 11:00:25

Band 41_20 MHz_Middle_QPSK_RB1#0



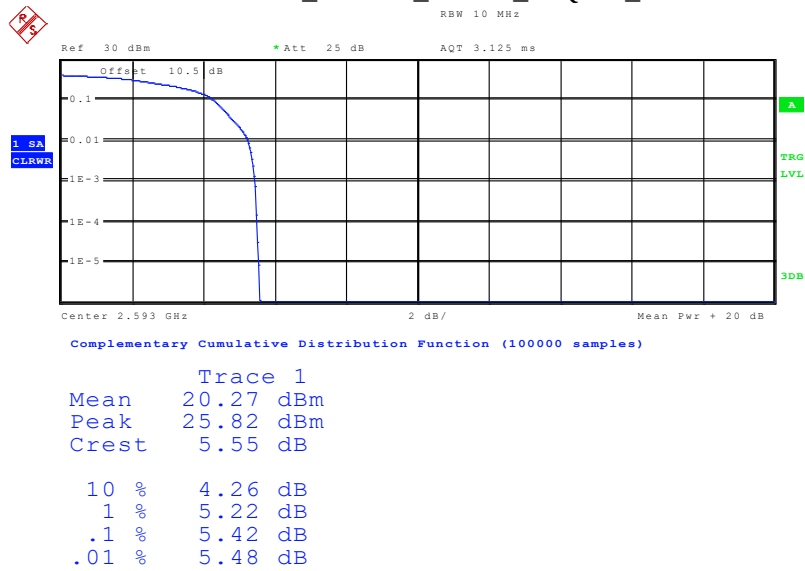
Date: 9.NOV.2022 11:02:35

Band 41_20 MHz_Middle_QPSK_RB50#0



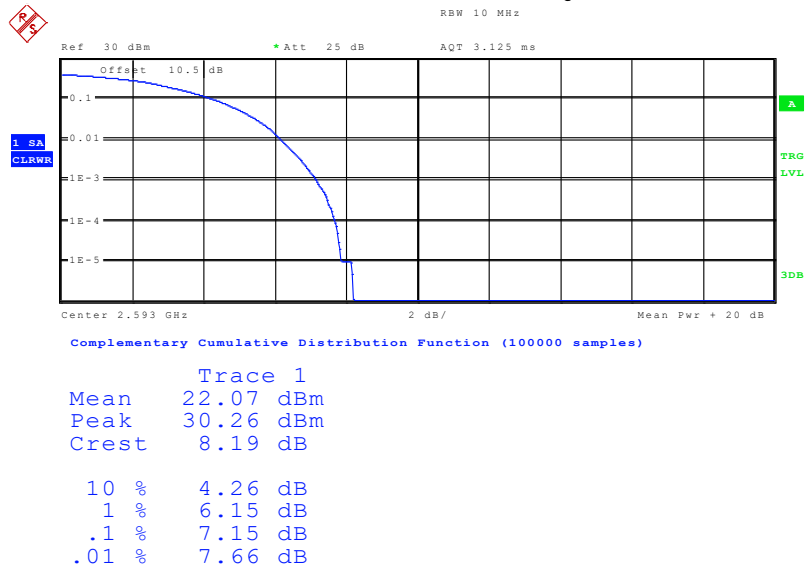
Date: 9.NOV.2022 11:03:22

Band 41_20 MHz_Middle_16QAM_RB1#0

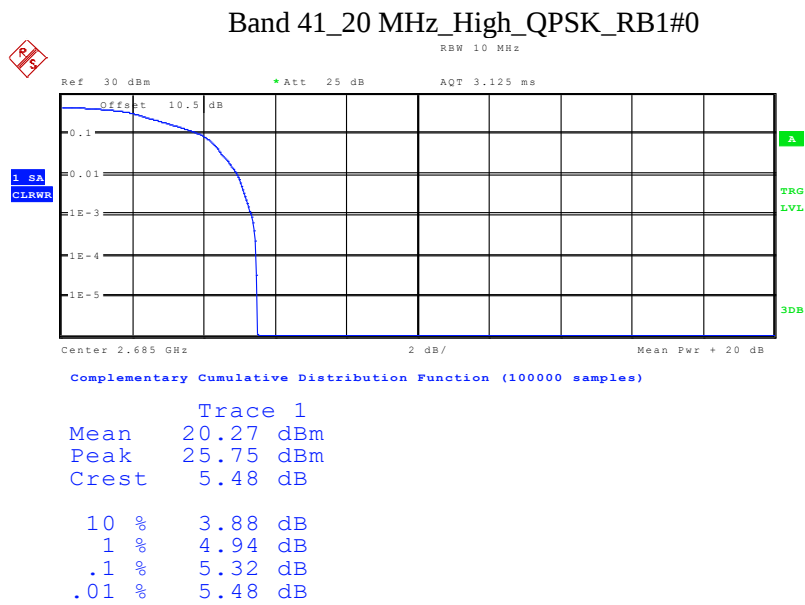


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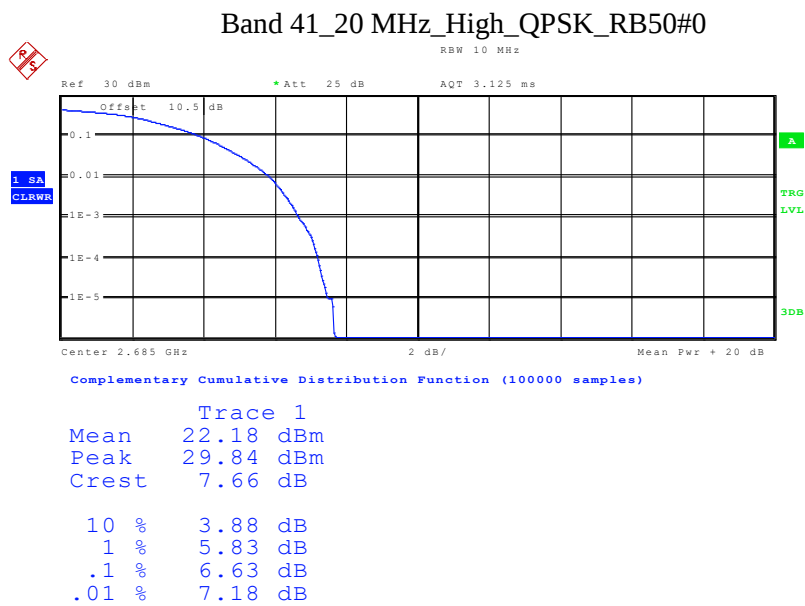
Band 41_20 MHz_Middle_16QAM_RB50#0



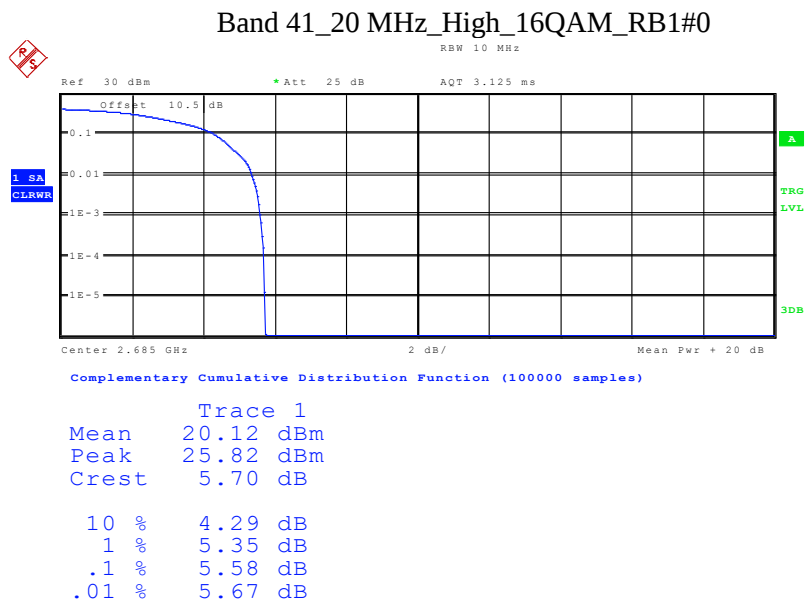
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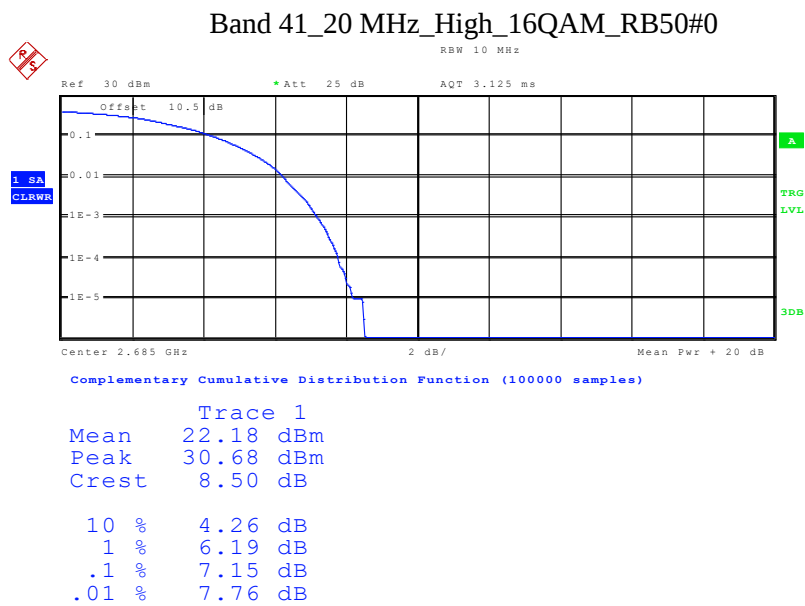
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Date: 9.NOV.2022 11:04:46



Date: 9.NOV.2022 11:05:30



Date: 9.NOV.2022 11:05:51

FCC §2.1049& §27.53 - OCCUPIED BANDWIDTH

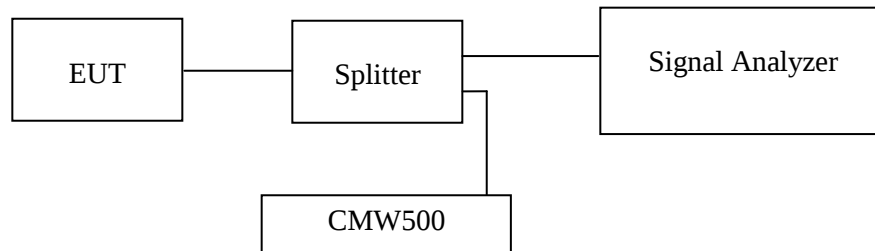
Applicable Standard

FCC 47 §2.1049, §27.53.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 1% to 5% of the anticipated emission bandwidth and the 26 dB & 99% bandwidth was recorded.



Note: the path loss (cable loss and splitter inset loss) was included to the plots.

Test Data

Environmental Conditions

Temperature:	27.2 °C
Relative Humidity:	57.3 %
ATM Pressure:	101.0 kPa

The testing was performed by Cat Kang on 2022-09-12.

EUT operation mode: Transmitting

Test Result: Pass

Please refer to the following tables and plots.

LTE Band 41(FCC Part 27)

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
5 MHz	QPSK	4.560	5.640	4.520	5.380	4.540	5.360
	16QAM	4.540	5.400	4.520	5.380	4.540	5.340
10 MHz	QPSK	8.960	10.240	8.960	10.400	9.000	10.800
	16QAM	9.000	9.960	8.960	9.880	9.000	9.680
15 MHz	QPSK	13.500	15.240	13.500	15.300	13.620	16.320
	16QAM	13.620	15.900	13.560	15.840	13.560	15.960
20 MHz	QPSK	18.000	19.520	18.000	19.200	18.000	19.760
	16QAM	18.000	19.440	17.920	19.600	18.000	20.160

The test plots please refer to the Appendix A.

FCC §2.1051& §27.53 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

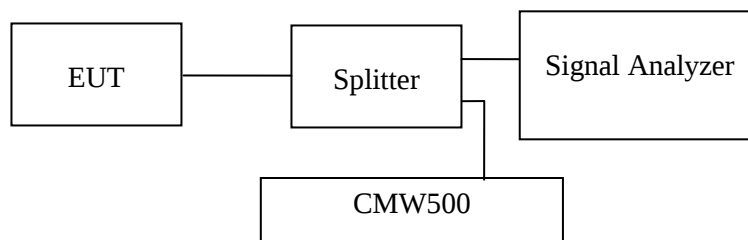
Applicable Standard

FCC §2.1051, §27.53.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Note: the worst path loss (cable loss and splitter inset loss) among the test frequency range was included to the plots.

Test Data

Environmental Conditions

Temperature:	27.2 °C
Relative Humidity:	57.3 %
ATM Pressure:	101.0 kPa

The testing was performed by Cat Kang on 2022-09-12.

EUT operation mode: Transmitting

Test result: Pass

The test plots please refer to the Appendix B.

FCC §2.1053& §27.53- SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC §2.1051, §27.53.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Test Data

Environmental Conditions

Temperature:	28.3 °C
Relative Humidity:	46%
ATM Pressure:	101.1 kPa

The testing was performed by Level Li on 2022-09-21.

Test mode: Transmitting (Pre-scan in the X,Y and Z axes of orientation, the worst case Z-axis of orientation was recorded)

Pre-scan all bandwidth, modulation and RB size/RB offset, the worst case is as below:

Frequency (MHz)	Receiver Reading (dBm)	Turntable Degree	Rx Antenna		Substituted Factor (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)				
LTE Band41								
Test frequency range: 30MHz-26.5GHz								
5MHz bandwidth, QPSK, RB1#13, Low Channel								
955.3	-74.4	31	1.8	H	10	-64.4	-25	39.4
955.3	-75.5	102	1.5	V	11.7	-63.8	-25	38.8
4997.00	-46.9	343	1.7	H	10.7	-36.2	-25	11.2
4997.00	-49.4	202	1.1	V	10	-39.4	-25	14.4
5MHz bandwidth, QPSK, RB1#13, Middle Channel								
957.1	-74.8	38	2.2	H	10	-64.8	-25	39.8
957.1	-75.7	281	2.2	V	11.7	-64	-25	39
5186.00	-44.92	283	1	H	10.52	-34.4	-25	9.4
5186.00	-48.5	85	2.2	V	10	-38.5	-25	13.5
5MHz bandwidth, QPSK, RB1#13, High Channel								
954.9	-75.1	85	1.9	H	10	-65.1	-25	40.1
954.9	-75.3	73	1.4	V	11.7	-63.6	-25	38.6
5375.00	-37.8	127	1.1	H	9.4	-28.4	-25	3.4
5375.00	-36.6	239	1.8	V	8.8	-27.8	-25	2.8

Note:

Absolute Level = Reading Level + Substituted Factor

Substituted Factor contains: SG Level - Cable loss+ Antenna Gain

Margin = Limit - Absolute Level

FCC §2.1049& §27.53 (m) - OUT-OF-BAND EMISSIONS AND BAND EDGE

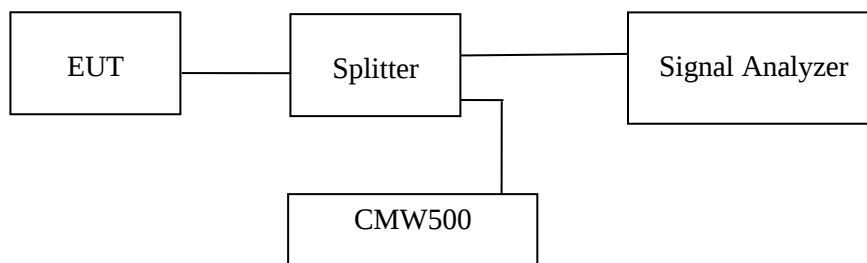
Applicable Standard

According to FCC §27.53 (m), the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency



Note: the path loss (cable loss and splitter inset loss) was included to the plots.

Test Data

Environmental Conditions

Temperature:	27.2 °C
Relative Humidity:	57.3 %
ATM Pressure:	101.0 kPa

The testing was performed by Cat Kang on 2022-09-12.

EUT operation mode: Transmitting (Worst case)

Test Result: Pass

Out-of Band emission and band edge test plots please refer to the Appendix C.

FCC §2.1055; §27.54 - FREQUENCY STABILITY

Applicable Standard

FCC §2.1055, §27.54.

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

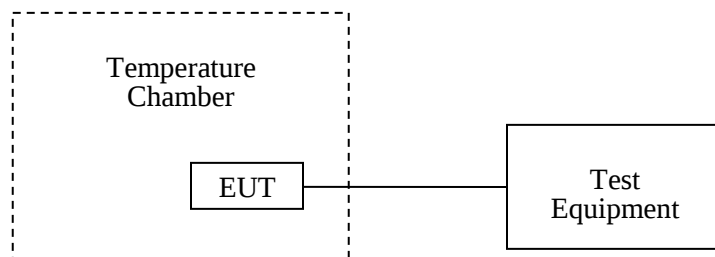
According to §27.54, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external AC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The AC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Data

Environmental Conditions

Temperature:	27.2 °C
Relative Humidity:	57.3 %
ATM Pressure:	101.0 kPa

The testing was performed by Cat Kang on 2022-09-12.

EUT operation mode: Transmitting

Test Result: Pass

Please refer to the following tables.

**QPSK:
Band 41:**

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	5	2496.9758	2689.9871	2496	2690
-20		2496.8678	2689.8852	2496	2690
-10		2496.7565	2689.7766	2496	2690
0		2496.6425	2689.6652	2496	2690
10		2496.5327	2689.5556	2496	2690
20		2496.4228	2689.4438	2496	2690
30		2496.3159	2689.3351	2496	2690
40		2496.2157	2689.2237	2496	2690
50		2496.2939	2689.1065	2496	2690

16QAM:**Band 41:**

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	5	2496.9456	2689.9655	2496	2690
-20		2496.8442	2689.8582	2496	2690
-10		2496.7372	2689.7486	2496	2690
0		2496.6266	2689.6375	2496	2690
10		2496.5138	2689.5284	2496	2690
20		2496.4175	2689.4182	2496	2690
30		2496.2988	2689.3587	2496	2690
40		2496.1882	2689.1986	2496	2690
50		2496.1829	2689.1882	2496	2690

Note: The device is powered from USB port, which normally has a steady DC 5V output voltage, so extreme voltage condition was not tested.

******* END OF REPORT *******