VARIANT FCC TEST REPORT

(PART 90)

Applicant:	Fibocom Wireless Inc.
Address:	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China.

Manufacturer or Supplier	Fibocom Wireless Inc.
Address	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China.
Product	LTE module
Brand Name	Fibocom
Model Name	L850-GL
FCC ID	ZMOL850GLD-D1
Date of tests	Jan. 17, 2022 ~ Jan. 19, 2022

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 90, Subpart R, S** ☒ **ANSI/TIA/EIA-603- D**
☒ **FCC Part 2** ☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Simon Date: Jan. 19, 2022	Luke Lu Date: Jan. 19, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF180704C01-5	Original release	Jul. 19, 2018
W7L-181207W001RF06	Based on the original report RF180704C01-5 Changing FCC ID	Dec. 14, 2018
W7L-220113W003RF06	Based on the original report W7L-181207W001RF06 Changing components	Jan. 19, 2022

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 90 & Part 2			
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**	**REMARK**
2.1046 90.635(b)	Maximum Peak Output Power	Compliance (See Note 1)	Meet the requirement of limit.
2.1055 90.213	Frequency Stability	(See Note 2)	Meet the requirement of limit.
2.1049 90.209	Occupied Bandwidth	(See Note 2)	Meet the requirement of limit.
2.1051 90.691	Emission Masks	(See Note 2)	Meet the requirement of limit.
2.1051 90.691	Conducted Spurious Emissions	(See Note 2)	Meet the requirement of limit.
2.1053 90.691	Radiated Spurious Emissions	Compliance (See Note 1)	Meet the requirement of limit.

NOTE:
1. Per the change notice provide by manufactory, the difference is changing components, all the change no effect any RF parameter, Therefore only verify the power and radiated emission worse case. The report only show the verify test data.
2. Please refer to original report W7L-181207W001RF06

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

EUT	LTE module	
BRAND NAME	Fibocom	
MODEL NAME	L850-GL	
TYPE NUMBER	3.3Vdc (Form Host Equipment)	
MODULATION TECHNOLOGY	**LTE**	QPSK, 16QAM
FREQUENCY RANGE	**LTE Band 26 (Channel Bandwidth: 1.4MHz)**	814.7MHz ~ 823.3MHz
	LTE Band 26 (Channel Bandwidth: 3MHz)	815.5MHz ~ 822.5MHz
	LTE Band 26 (Channel Bandwidth: 5MHz)	816.5MHz ~ 821.5MHz
	LTE Band 26 (Channel Bandwidth: 10MHz)	819MHz
EMISSION DESIGNATOR	**LTE Band 26 (Channel Bandwidth: 1.4MHz)**	1M09G7D
	LTE Band 26 (Channel Bandwidth: 3MHz)	2M70G7D
	LTE Band 26 (Channel Bandwidth: 5MHz)	4M50W7D
	LTE Band 26 (Channel Bandwidth: 10MHz)	9M02G7D
MAX. ERP POWER	**LTE Band 26 (Channel Bandwidth: 1.4MHz)**	213.30mW
	LTE Band 26 (Channel Bandwidth: 3MHz)	211.84mW
	LTE Band 26 (Channel Bandwidth: 5MHz)	211.35mW
	LTE Band 26 (Channel Bandwidth: 10MHz)	213.80W
ANTENNA TYPE	External Antenna with 3.0 dBi gain	
HW VERSION	V1.0.4	

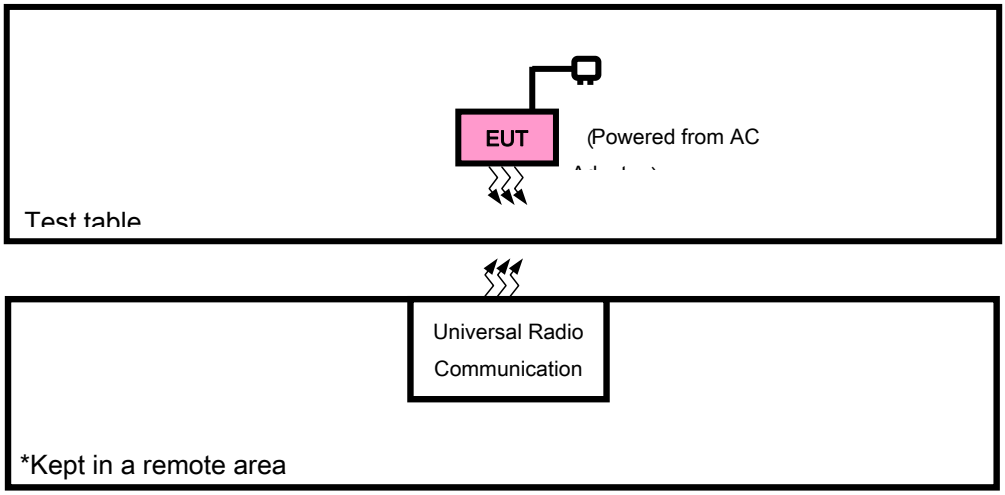
SW VERSION	18500.5001.00.05.27.12
I/O PORTS	Refer to user's manual
DATA CABLE	N/A
EXTREME TEMPERATURE	-10-55 ℃
EXTREME VOLTAGE	3.4V- 4.4V

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	LONG WEI	PS-6403D	010934269	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.0m

2.4 DESCRIPTION OF TEST MODES

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports The worst case in ERP/EIRP and radiated emission was found when positioned on X-plane for LTE. Following channel(s) was (were) selected for the final test as listed below:

DESCRIPTION
EUT + Adapter + USB Cable + with LTE link

LTE BAND 26

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	26740	26740	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
RADIATED EMISSION	26697 to 26783	26740	1.4MHz	QPSK	1 RB / 0 RB Offset
	26705 to 26775	26740	3MHz	QPSK	1 RB / 0 RB Offset
	26715 to 26765	26740	5MHz	QPSK	1 RB / 0 RB Offset
	26740	26740	10MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP(ERP)	24deg. C, 60%RH	DC 3.3V	Jace Hu
RADIATED EMISSION	23deg. C, 70%RH	DC 3.3V	Jace Hu

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 90

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Per FCC Part 90.635(a)(b)

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

a. The EUT was set up for the maximum power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RBW and VBW is 10MHz for LTE.

b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G

d. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn

e. E.R.P = E.I.R.P- 2.15 dB

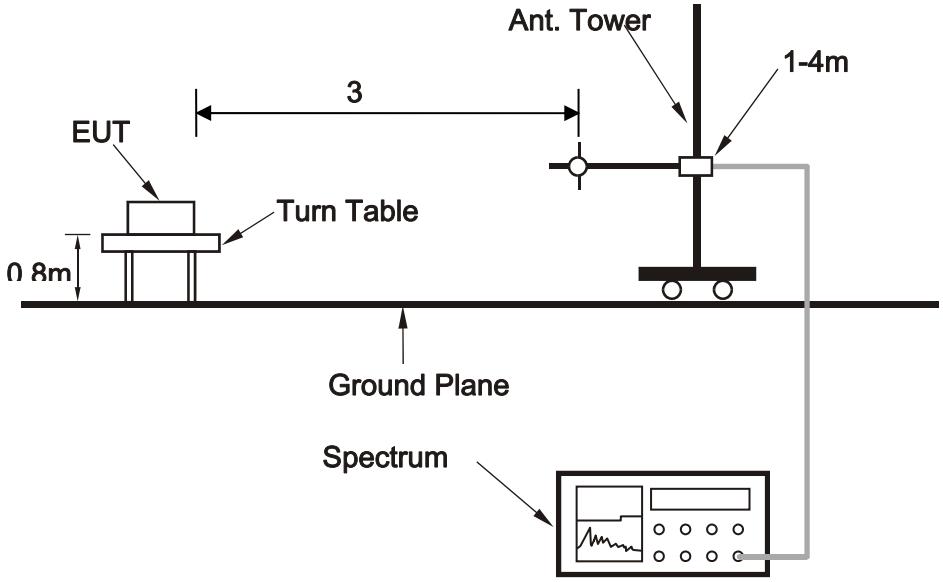
CONDUCTED POWER MEASUREMENT:

a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.

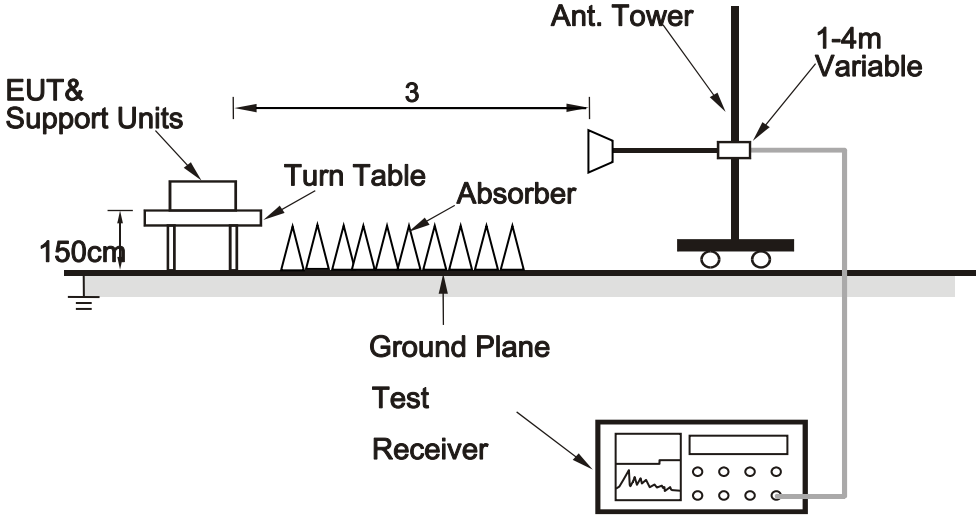
b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP

ERP MEASUREMENT:



EIRP MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

CONDUCTED POWER MEASUREMENT:

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

LTE Band 26

Band/BW	Modulation	RB Size	RB Offset	Low CHG 26697	Mid CH 26740	High CH 26783	MPR
				Frequency 814.7 MHz	Frequency 819 MHz	Frequency 823.3 MHz	
26/ 1.4	QPSK	1	0	22.27	22.44	22.35	0
		1	2	22.33	22.18	22.33	0
		1	5	22.32	22.33	22.28	0
		3	0	22.37	22.30	22.43	0
		3	1	22.38	22.29	22.14	0
		3	3	22.28	22.21	22.30	0
		6	0	21.53	21.44	21.33	1
	16QAM	1	0	21.33	21.37	21.40	1
		1	2	21.38	21.23	21.36	1
		1	5	21.45	21.46	21.49	1
		3	0	21.27	21.24	21.29	1
		3	1	21.2	21.25	21.24	1
		3	3	21.21	21.35	21.29	1
		6	0	20.28	20.22	20.28	2

Band/BW	Modulation	RB Size	RB Offset	Low CHG 26705	Mid CH 26740	High CH 26775	MPR
				Frequency 815.5 MHz	Frequency 819 MHz	Frequency 822.5 MHz	
26/ 3	QPSK	1	0	22.31	22.41	22.33	0
		1	7	22.25	22.20	22.33	0
		1	14	22.24	22.33	22.28	0
		8	0	21.35	21.36	21.43	1
		8	3	21.24	21.29	21.18	1
		8	7	21.22	21.35	21.38	1
		15	0	21.47	21.46	21.21	1
	16QAM	1	0	21.27	21.37	21.37	1
		1	7	21.32	21.29	21.32	1
		1	14	21.39	21.38	21.40	1
		8	0	20.19	20.26	20.29	2

		8	3	20.3	20.15	20.30	2
		8	7	20.25	20.26	20.21	2
		15	0	20.28	20.15	20.34	2

Band/BW	Modulation	RB Size	RB Offset	Low CHG 26715	Mid CH 26740	High CH 26765	MPR
				Frequency 816.5 MHz	Frequency 819 MHz	Frequency 821.5 MHz	
26/ 5	QPSK	1	0	22.33	22.40	22.35	0
		1	12	22.35	22.14	22.33	0
		1	24	22.26	22.31	22.36	0
		12	0	21.41	21.36	21.37	1
		12	6	21.24	21.31	21.20	1
		12	13	21.30	21.27	21.40	1
		25	0	21.43	21.52	21.27	1
	16QAM	1	0	21.29	21.34	21.37	1
		1	12	21.26	21.35	21.3	1
		1	24	21.39	21.41	21.38	1
		12	0	20.19	20.22	20.23	2
		12	6	20.24	20.23	20.22	2
		12	13	20.15	20.3	20.27	2
		25	0	20.28	20.17	20.28	2

Band/BW	Modulation	RB Size	RB Offset	/	Mid CH 26740	/	MPR
				/	Frequency 819 MHz	/	
26/ 10	QPSK	1	0	/	22.45	/	0
		1	24	/	22.20	/	0
		1	49	/	22.38	/	0
		25	0	/	21.36	/	1
		25	12	/	21.18	/	1
		25	25	/	21.25	/	1
		50	0	/	21.48	/	1
	16QAM	1	0	/	21.49	/	1
		1	24	/	21.45	/	1
		1	49	/	21.50	/	1
		25	0	/	20.32	/	2
		25	12	/	20.31	/	2
		25	25	/	20.45	/	2

		50	0	/	20.37	/	2

ERP

LTE BAND 26
CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
26697	814.7	22.38	3	23.23	210.38	100
26740	819	22.44	3	23.29	213.30	100
26783	823.3	22.43	3	23.28	212.81	100

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
26697	814.7	21.45	3	22.3	169.82	100
26740	819	21.46	3	22.31	170.22	100
26783	823.3	21.49	3	22.34	171.40	100

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
26705	815.5	22.31	3	23.16	207.01	100
26740	819	22.41	3	23.26	211.84	100
26775	822.5	22.33	3	23.18	207.97	100

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
26705	815.5	21.39	3	22.24	167.49	100
26740	819	21.38	3	22.23	167.11	100
26775	822.5	21.40	3	22.25	167.88	100

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
26715	816.5	22.35	3	23.2	208.93	100
26740	819	22.4	3	23.25	211.35	100
26765	821.5	22.36	3	23.21	209.41	100

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
26715	816.5	21.39	3	22.24	167.49	100
26740	819	21.41	3	22.26	168.27	100
26765	821.5	21.38	3	22.23	167.11	100

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
26740	819	22.45	3	23.3	213.80	100
-	-	-	-	-	-	-

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
26740	819	21.5	3	22.35	171.79	100
-	-	-	-	-	-	-

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

(1)The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission equal to –13dBm

(2) For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

3.2.2 TEST PROCEDURES

a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G

c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.

d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15dBi.

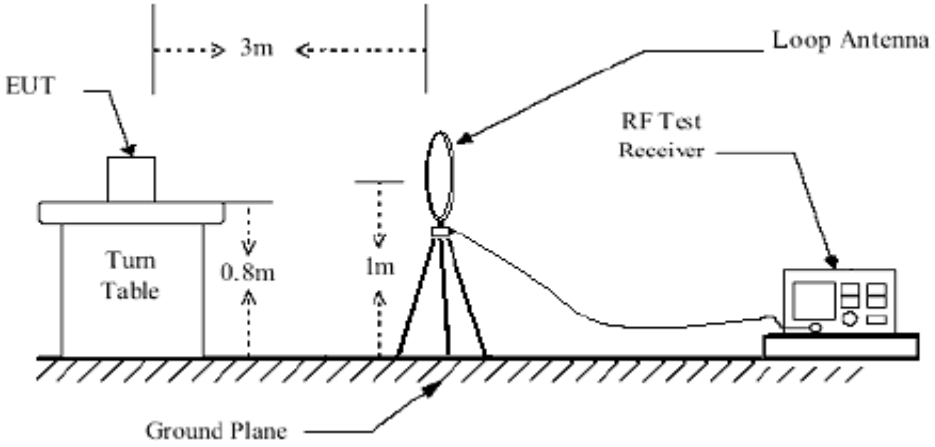
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.2.3 DEVIATION FROM TEST STANDARD

No deviation

3.2.4 TEST SETUP

<Below 30MHz>



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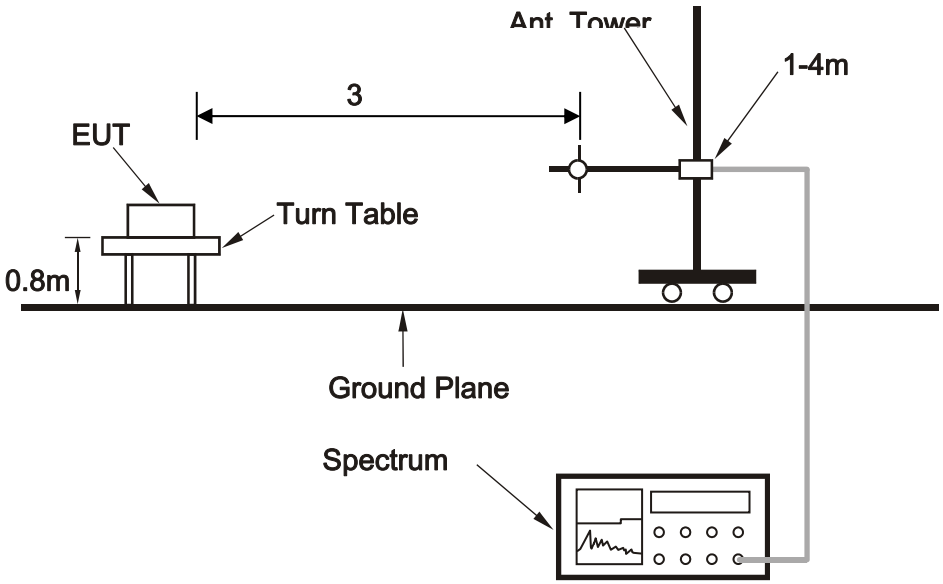

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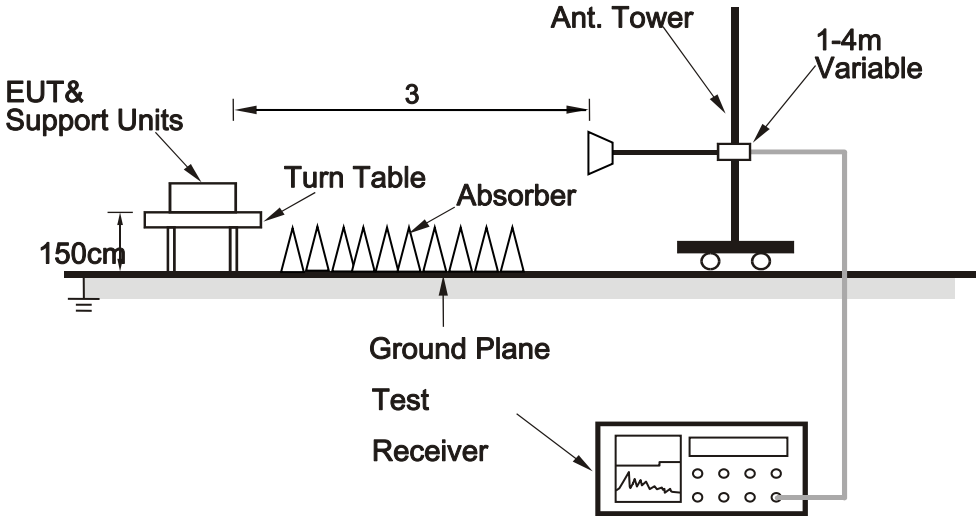


For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.2.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

9 KHz – 30 MHz data: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

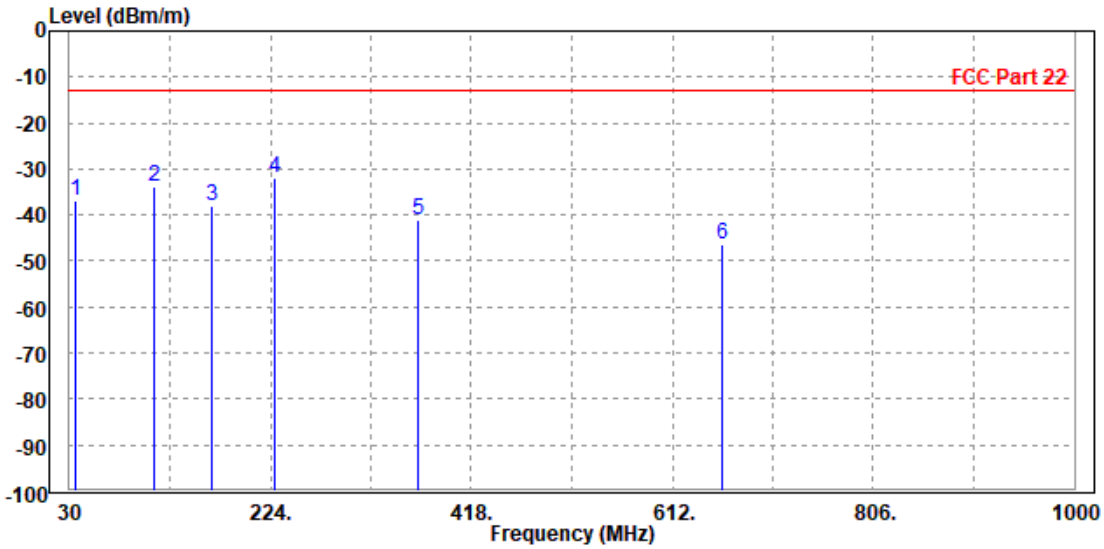
30 MHz – 1GHz data:

LTE Band 26:

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 26740	**FREQUENCY RANGE**	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	DC 5V from adapter
TESTED BY	Jace HU		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1		36.590	-37.05	-54.10	-13.00	-24.05	17.05	Peak	Horizontal
2		112.360	-33.68	-41.69	-13.00	-20.68	8.01	Peak	Horizontal
3		166.870	-37.91	-48.57	-13.00	-24.91	10.66	Peak	Horizontal
4	PP	228.570	-31.81	-44.07	-13.00	-18.81	12.26	Peak	Horizontal
5		367.280	-41.11	-57.06	-13.00	-28.11	15.95	Peak	Horizontal
6		659.540	-46.53	-68.42	-13.00	-33.53	21.89	Peak	Horizontal



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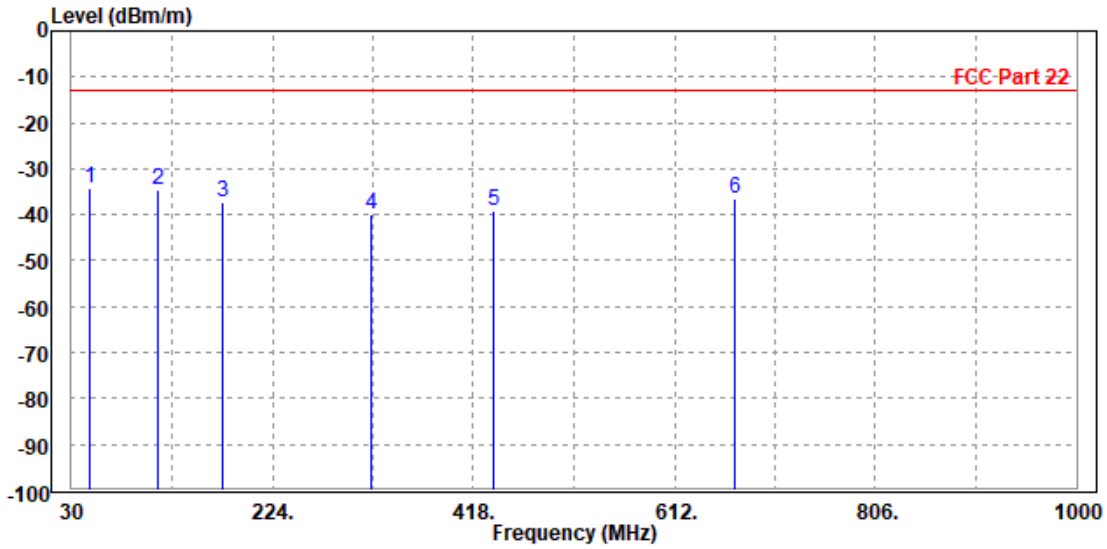
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

MODE	TX channel 26740	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Jace HU		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	47.460	-34.34	-44.15	-13.00	-21.34	9.81	Peak	Vertical
2	113.420	-34.49	-42.69	-13.00	-21.49	8.20	Peak	Vertical
3	175.448	-37.08	-47.65	-13.00	-24.08	10.57	Peak	Vertical
4	319.060	-39.85	-55.27	-13.00	-26.85	15.42	Peak	Vertical
5	437.400	-39.25	-57.16	-13.00	-26.25	17.91	Peak	Vertical
6	670.200	-36.60	-58.48	-13.00	-23.60	21.88	Peak	Vertical



ABOVE 1GHz

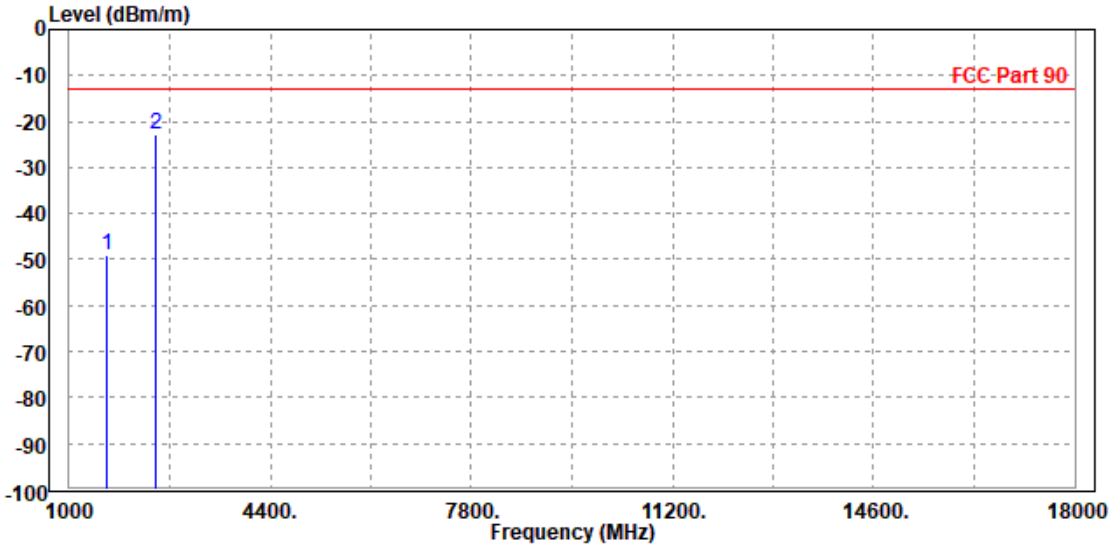
Note: For higher frequency, the emission is too low to be detected.

LTE BAND 26

CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 26740	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1646.000	-48.99	-52.22	-13.00	-35.99	3.23	Peak	Horizontal
2 PP	2457.000	-22.88	-30.89	-13.00	-9.88	8.01	Peak	Horizontal



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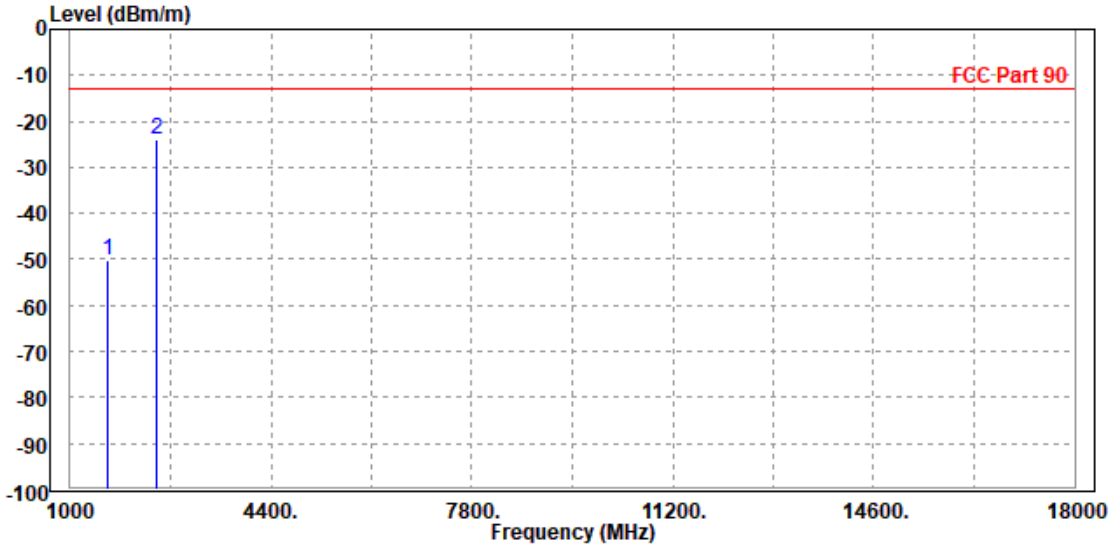
MODE	TX channel 26740	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

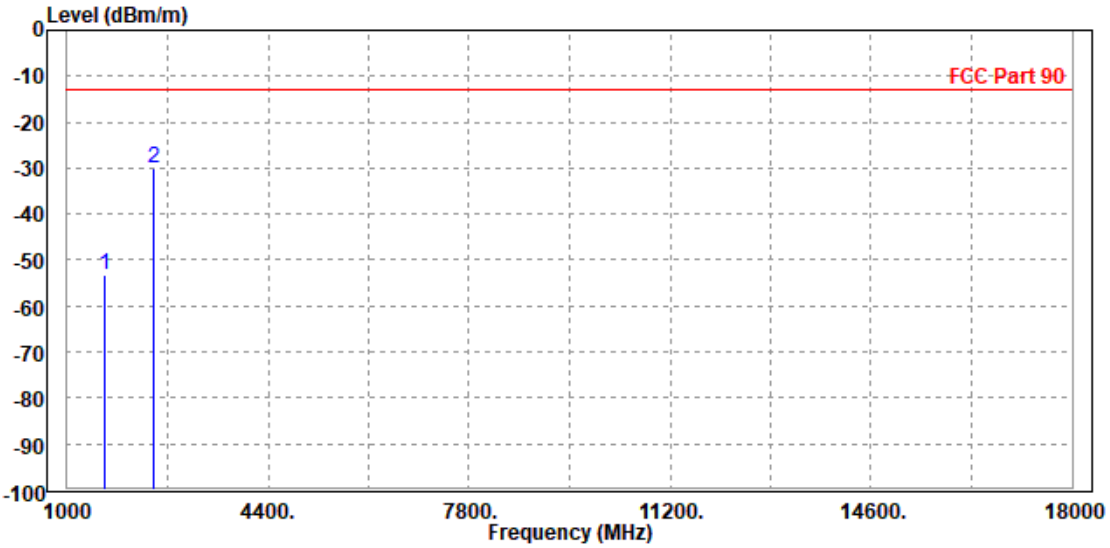
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1646.000	-50.30	-53.66	-13.00	-37.30	3.36	Peak	Vertical
2 PP	2457.000	-23.98	-31.00	-13.00	-10.98	7.02	Peak	Vertical



CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 26740	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1646.000	-53.25	-56.48	-13.00	-40.25	3.23	Peak	Horizontal
2 PP	2462.000	-30.19	-38.20	-13.00	-17.19	8.01	Peak	Horizontal



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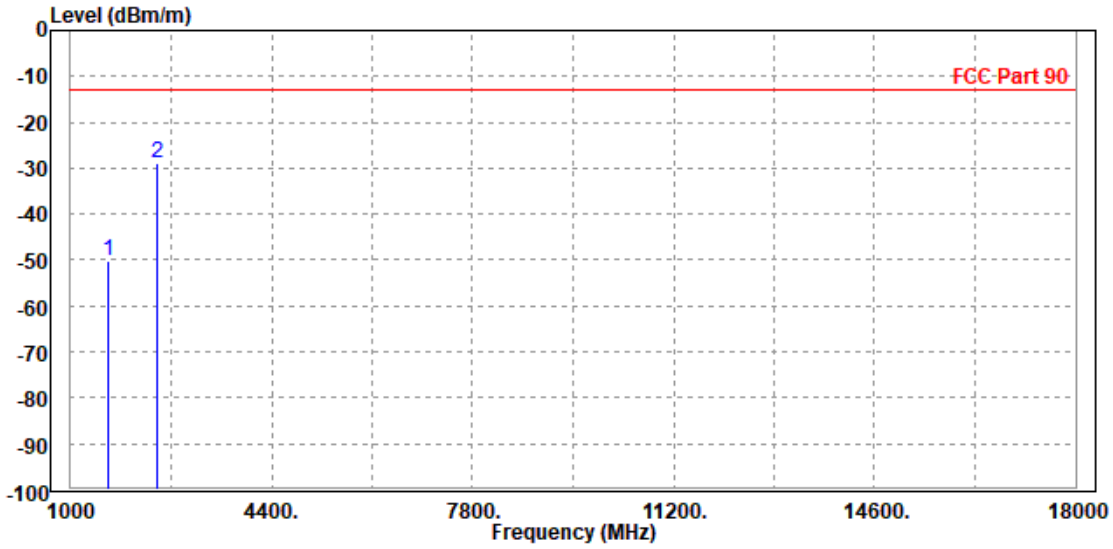
MODE	TX channel 26740	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

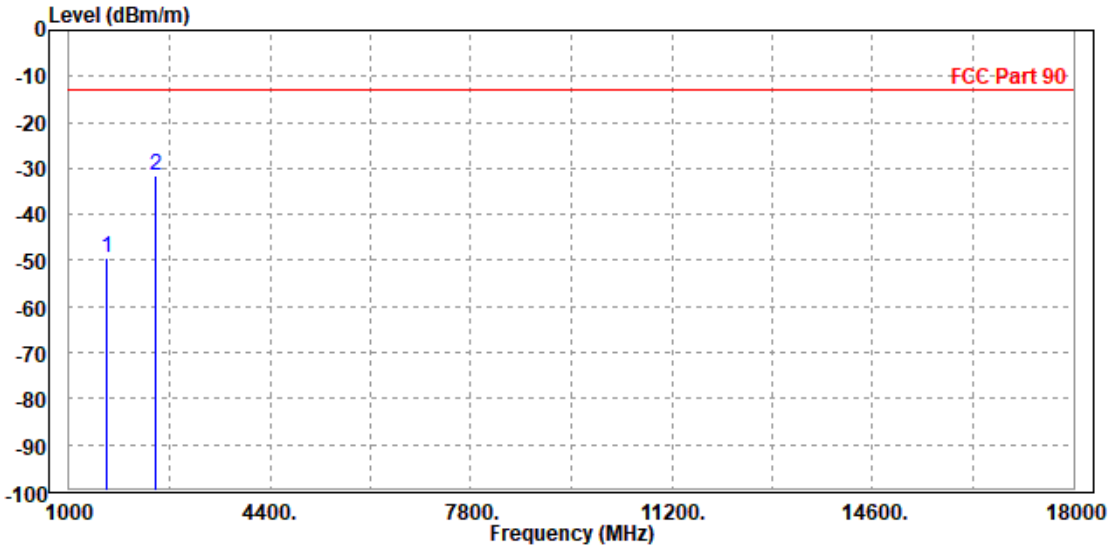
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1646.000	-50.09	-53.45	-13.00	-37.09	3.36	Peak	Vertical
2 PP	2462.000	-28.89	-35.92	-13.00	-15.89	7.03	Peak	Vertical



CHANNEL BANDWIDTH: 5MHz / QPSK

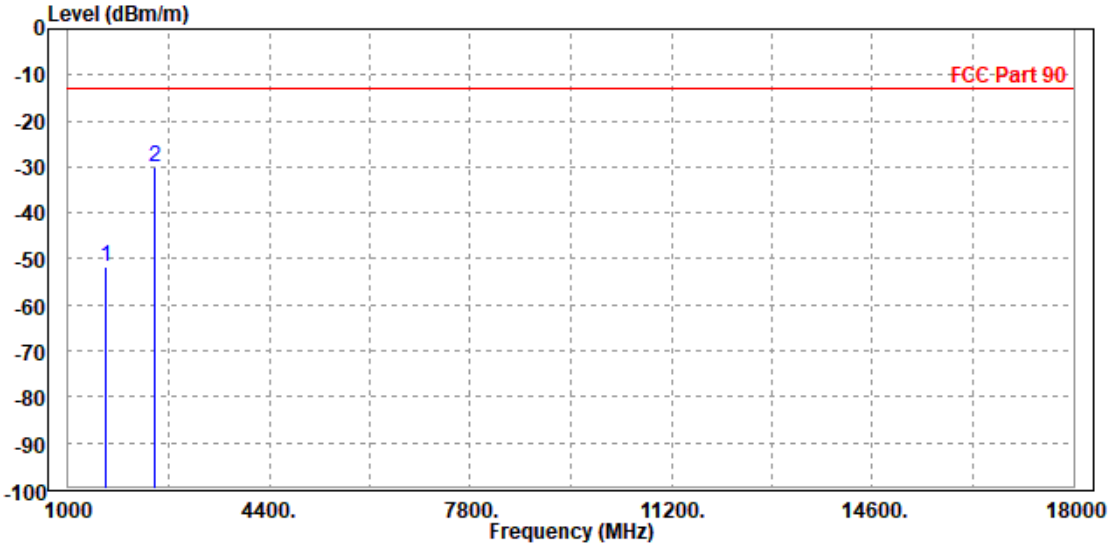
MODE	TX channel 26740	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1638.000	-49.40	-52.53	-13.00	-36.40	3.13	Peak	Horizontal
2 PP	2462.000	-31.70	-39.71	-13.00	-18.70	8.01	Peak	Horizontal



MODE	TX channel 26740	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

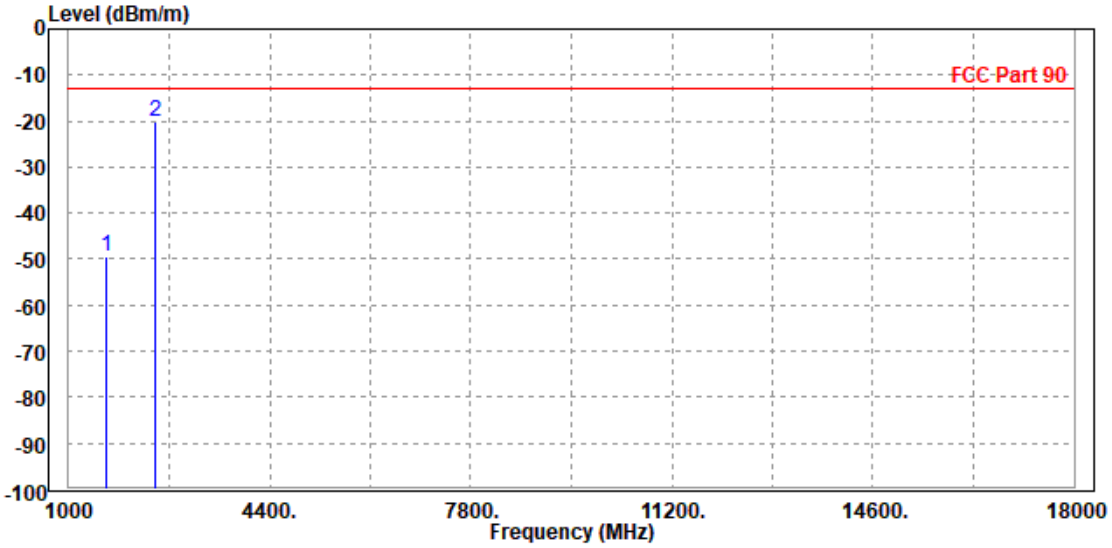
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1638.000	-51.66	-54.95	-13.00	-38.66	3.29	Peak	Vertical
2 PP	2462.000	-29.89	-36.92	-13.00	-16.89	7.03	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

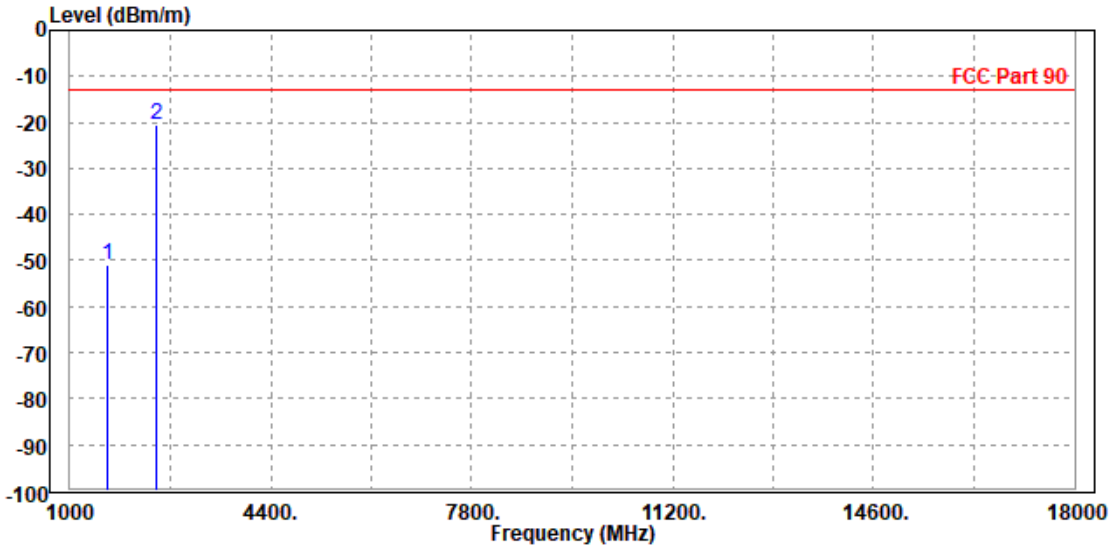
MODE	TX channel 26740	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1638.000	-49.32	-52.45	-13.00	-36.32	3.13	Peak	Horizontal
2 PP	2457.000	-20.06	-28.07	-13.00	-7.06	8.01	Peak	Horizontal



MODE	TX channel 26740	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1638.000	-50.96	-54.25	-13.00	-37.96	3.29	Peak	Vertical
2 PP	2457.000	-20.48	-27.50	-13.00	-7.48	7.02	Peak	Vertical



4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

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