

FCC TEST REPORT (PART 24)

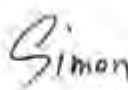

Applicant:	PAX Technology Limited
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Manufacturer or Supplier:	PAX Computer Technology (Shenzhen) Co., Ltd.
Address:	401 and 402, Building 3, Shenzhen Software Park, Nanshan District, Shenzhen City, Guangdong Province, P.R.C.
Product:	Smart Mobile Payment Terminal
Brand Name:	PAX
Model Name:	A920
FCC ID:	V5PA920MG
Date of tests:	Jan. 06, 2022 ~ Mar. 04, 2022

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

- FCC PART 24, Subpart E**
 FCC PART 2
 ANSI/TIA/EIA-603-D
 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
 Date: Mar. 04, 2022	 Date: Mar. 04, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P22010007RF03	Original release	Mar. 04, 2022



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 24 & Part 2		
STANDARD SECTION	TEST TYPE	RESULT
§2.1046	Coducted Output Power	Compliance
§24.232(c)	Equivalent Isotropic Radiated Power	Compliance
§2.1055 §24.235	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§24.232(d)	Peak to average ratio	Compliance
§24.238(a)(b)	Band Edge Measurements	Compliance
§2.1051 §24.238(a)(b)	Conducted Spurious Emissions	Compliance
§2.1053 §24.238(a)(b)	Radiated Spurious Emissions	Compliance



1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Frequency Stability	± 76.97Hz
Radiated emissions (9kHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GMHz)	±4.98dB
Radiated emissions & Radiated Power (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB
Peak to average ratio	±0.76dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 02,21	Apr. 01,22
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 25,21	Feb. 24,22
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 24,22	Feb. 23,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,20	May. 18,23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
Power Meter	Anritsu	ML2495A	1506002	Apr. 07,21	Apr. 06,22
Power Sensor	Anritsu	MA2411B	1339352	May. 07,21	May. 06,22
Temperature Chamber	ESPEC	SH-242	93000855	Jun. 02,21	Jun. 01,22
MXG Analog Microwave Signal Generator	KEYSIGHT	N5183A	MY50143024	Mar. 05,21	Mar. 04,22
Power Divider	MCLI/USA	PS2-15	24880	N/A	N/A

- NOTE:**
1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
 3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
 4. The FCC Site Registration No. is 525120; The Designation No. is CN1171.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Smart Mobile Payment Terminal	
BRAND NAME	PAX	
MODEL NAME	A920	
NOMINAL VOLTAGE	5Vdc (adapter) 3.7Vdc (Li-ion, battery)	
MODULATION TYPE	WCDMA: BPSK,QPSK LTE Band 2: QPSK, 16QAM	
FREQUENCY RANGE	WCDMA	1852.4MHz ~ 1907.6MHz
	LTE Band 2 Channel Bandwidth: 1.4MHz	1850.7MHz ~ 1909.3MHz
	LTE Band 2 Channel Bandwidth: 3MHz	1851.5MHz ~ 1908.5MHz
	LTE Band 2 Channel Bandwidth: 5MHz	1852.5MHz ~ 1907.5MHz
	LTE Band 2 Channel Bandwidth: 10MHz	1855.0MHz ~ 1905.0MHz
	LTE Band 2 Channel Bandwidth: 15MHz	1857.5MHz ~ 1902.5MHz
	LTE Band 2 Channel Bandwidth: 20MHz	1860.0MHz ~ 1900.0MHz
	MAX. EIRP POWER	WCDMA
LTE Band 2 Channel Bandwidth: 1.4MHz		252.93mW
LTE Band 2 Channel Bandwidth: 3MHz		245.47mW
LTE Band 2 Channel Bandwidth: 5MHz		245.47mW
LTE Band 2 Channel Bandwidth: 10MHz		244.34mW
LTE Band 2 Channel Bandwidth: 15MHz		247.74mW
LTE Band 2 Channel Bandwidth: 20MHz		257.04mW
EMISSION DESIGNATOR		WCDMA
	LTE Band 2 Channel Bandwidth: 1.4MHz	QPSK: 1M10G7D
		16QAM: 1M10W7D
LTE Band 2	QPSK: 2M70G7D	



	Channel Bandwidth: 3MHz	16QAM: 2M70W7D
	LTE Band 2	QPSK: 4M51G7D
	Channel Bandwidth: 5MHz	16QAM: 4M51W7D
	LTE Band 2	QPSK: 8M99G7D
	Channel Bandwidth: 10MHz	16QAM: 8M97W7D
	LTE Band 2	QPSK: 13M5G7D
	Channel Bandwidth: 15MHz	16QAM: 13M5W7D
	LTE Band 2	QPSK: 18M0G7D
	Channel Bandwidth: 20MHz	16QAM: 18M0W7D
ANTENNA TYPE	PIFA Antenna with 1.5dBi gain for WCDMA II/ LTE Band 2	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	USB cable: unshielded without ferrite, 1.0meter	
EXTREME TEMPERATURE	-10-50 °C	
EXTREME VOLTAGE	3.1V- 4.2V	

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.

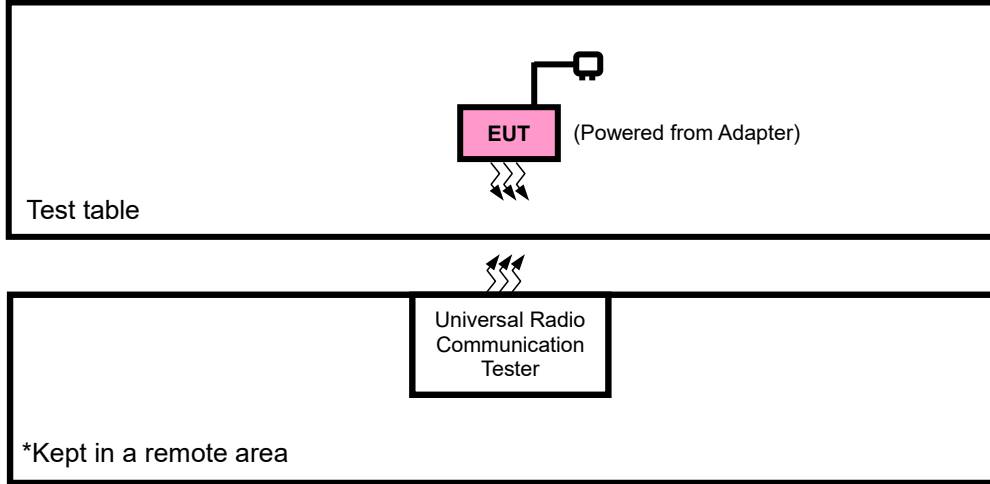
List of Accessory:

ACCESSORIES	BRAND	MODEL	SPECIFICATION
Battery	/	IS900	Capacity : 3.7vdc 5250mAh
AC Adapter	/	GLH50D2000HW	I/P:100-240Vac, 0.4A O/P: 5Vdc, 2A
USB Cable	/	/	Signal Line, 1.0meter



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	Kikusui/JP	PMX18-5A	0000001	N/A

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

2.4 TEST ITEM AND TEST CONFIGURATION

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 EIRP and radiated emission was found when positioned on X-plane for GPRS/EDGE/ LTE. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter with WCDMA or LTE link
B	EUT + Battery with WCDMA or LTE link



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WCDMA

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A	EIRP	9262 to 9538	9262, 9400, 9538	WCDMA
B	FREQUENCY STABILITY	9262 to 9538	9262, 9538	WCDMA
A	OCCUPIED BANDWIDTH	9262 to 9538	9262, 9400, 9538	WCDMA
A	PEAK TO AVERAGE RATIO	9262 to 9538	9262, 9400, 9538	WCDMA
A	BAND EDGE	9262 to 9538	9262, 9538	WCDMA
A	CONDCUDED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA
A	RADIATED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA

LTE BAND 2

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	18607 to 19193	18607, 19193	1.4MHz	QPSK	1 RB / 0 RB Offset
		18615 to 19185	18615, 19185	3MHz	QPSK	1 RB / 0 RB Offset
		18625 to 19175	18625, 19175	5MHz	QPSK	1 RB / 0 RB Offset
		18650 to 19150	18650, 19150	10MHz	QPSK	1 RB / 0 RB Offset
		18675 to 19125	18675, 19125	15MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700, 19100	20MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM	6 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM	15 RB / 0 RB Offset
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM	25 RB / 0 RB Offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM	50 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM	75 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM	1 RB / 0 RB Offset



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A	BAND EDGE	18607 to 19193	18607	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset		
			19193	1.4MHz	QPSK,16QAM	6 RB / 0 RB Offset		
		18615 to 19185	18615	3MHz	QPSK,16QAM	1 RB / 5 RB Offset		
			19185	3MHz	QPSK,16QAM	6 RB / 0 RB Offset		
		18625 to 19175	18625	5MHz	QPSK,16QAM	1 RB / 0 RB Offset		
			19175	5MHz	QPSK,16QAM	15 RB / 0 RB Offset		
		18650 to 19150	18650	10MHz	QPSK,16QAM	1 RB / 14 RB Offset		
			19150	10MHz	QPSK,16QAM	15 RB / 0 RB Offset		
		18675 to 19125	18675	15MHz	QPSK,16QAM	1 RB / 0 RB Offset		
			19125	15MHz	QPSK,16QAM	25 RB / 0 RB Offset		
		18700 to 19100	18700	20MHz	QPSK,16QAM	1 RB / 24 RB Offset		
			19100	20MHz	QPSK,16QAM	25 RB / 0 RB Offset		
		A	CONDCUDED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB / 0 RB Offset
				18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB / 0 RB Offset
				18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB / 0 RB Offset
				18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB / 0 RB Offset
18675 to 19125	18675, 18900, 19125			15MHz	QPSK	1 RB / 0 RB Offset		
18700 to 19100	18700, 18900, 19100			20MHz	QPSK	1 RB / 0 RB Offset		
A	RADIATED EMISSION	18607 to 19193	18900	1.4MHz	QPSK	1 RB / 0 RB Offset		
		18615 to 19185	18900	3MHz	QPSK	1 RB / 0 RB Offset		
		18625 to 19175	18900	5MHz	QPSK	1 RB / 0 RB Offset		
		18650 to 19150	18607, 18900, 19193	10MHz	QPSK	1 RB / 0 RB Offset		
		18675 to 19125	18900	15MHz	QPSK	1 RB / 0 RB Offset		
		18700 to 19100	18900	20MHz	QPSK	1 RB / 0 RB Offset		



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TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP	25deg. C, 57%RH	5V By Adapter	Jace Hu
FREQUENCY STABILITY	23deg. C, 61%RH	5V By Battery	James Fu
OCCUPIED BANDWIDTH	23deg. C, 61%RH	5V By Adapter	James Fu
PEAK TO AVERAGE RATIO	23deg. C, 61%RH	5V By Adapter	James Fu
BAND EDGE	23deg. C, 61%RH	5V By Adapter	James Fu
CONDUCTED EMISSION	23deg. C, 61%RH	5V By Adapter	James Fu
RADIATED EMISSION	23deg. C, 70%RH	5V By Adapter	Jace Hu

2.5 EUT OPERATING CONDITIONS

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

2.6 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 24

KDB 971168 D01 Power Meas License Digital Systems v03r01

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

Mobile and portable stations are limited to 2 watts EIRP.

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

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.

CONDUCTED POWER MEASUREMENT:

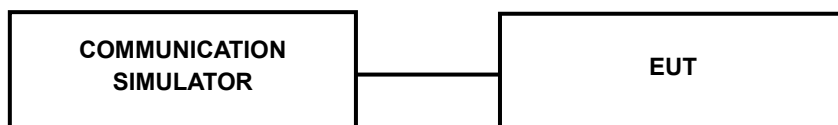
The EUT was set up for the maximum power with WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.



3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

Band Channel	WCDMA II			Max. Tune-up Power
	9262	9400	9538	
Frequency	1852.4	1880	1907.6	
RMC 12.2K	22.65	22.73	22.61	23.5
HSDPA Subtest-1	21.63	21.72	21.60	22.5
HSDPA Subtest-2	21.61	21.69	21.58	22.5
HSDPA Subtest-3	21.12	21.11	21.13	22.0
HSDPA Subtest-4	21.13	21.10	21.09	22.0
HSUPA Subtest-1	21.62	21.71	21.59	22.5
HSUPA Subtest-2	19.64	19.72	19.62	20.5
HSUPA Subtest-3	20.66	20.74	20.63	21.5
HSUPA Subtest-4	19.62	19.69	19.61	20.5
HSUPA Subtest-5	21.63	21.70	21.60	22.5



LTE BAND 2

Band/BW	Modulation	RB Size	RB Offset	Low CH 18607	Mid CH 18900	High CH 19193	MPR
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz	
2/ 1.4	QPSK	1	0	22.37	22.38	22.30	0
		1	2	22.25	22.19	22.16	0
		1	5	22.28	22.20	22.15	0
		3	0	22.52	22.47	22.46	0
		3	1	22.53	22.49	22.36	0
		3	3	22.49	22.43	22.38	0
	16QAM	6	0	21.50	21.42	21.39	1
		1	0	21.71	21.66	21.61	1
		1	2	21.77	21.68	21.67	1
		1	5	21.78	21.72	21.72	1
		3	0	21.58	21.54	21.47	1
		3	1	21.51	21.55	21.44	1
		3	3	21.59	21.55	21.52	1
		6	0	20.51	20.52	20.42	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 18615	Mid CH 18900	High CH 19185	MPR
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz	
2/ 3	QPSK	1	0	22.39	22.40	22.29	0
		1	7	22.21	22.20	22.16	0
		1	14	22.24	22.20	22.15	0
		8	0	21.51	21.50	21.46	1
		8	3	21.46	21.49	21.38	1
		8	7	21.46	21.50	21.42	1
		15	0	21.47	21.43	21.33	1
	16QAM	1	0	21.68	21.72	21.64	1
		1	7	21.74	21.71	21.65	1
		1	14	21.81	21.72	21.72	1
		8	0	20.54	20.55	20.47	2
		8	3	20.56	20.50	20.47	2
		8	7	20.61	20.53	20.48	2
		15	0	20.51	20.46	20.45	2



Band/BW	Modulation	RB Size	RB Offset	Low CH 18625	Mid CH 18900	High CH 19175	MPR
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz	
2/ 5	QPSK	1	0	22.40	22.35	22.30	0
		1	12	22.26	22.17	22.16	0
		1	24	22.25	22.19	22.19	0
		12	0	21.54	21.50	21.43	1
		12	6	21.46	21.50	21.39	1
		12	13	21.50	21.46	21.43	1
		25	0	21.45	21.46	21.36	1
	16QAM	1	0	21.69	21.68	21.64	1
		1	12	21.71	21.74	21.64	1
		1	24	21.81	21.72	21.71	1
		12	0	20.54	20.53	20.44	2
		12	6	20.53	20.54	20.43	2
		12	13	20.56	20.55	20.51	2
		25	0	20.51	20.47	20.42	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 18650	Mid CH 18900	High CH 19150	MPR
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz	
2/ 10	QPSK	1	0	22.37	22.38	22.30	0
		1	24	22.26	22.17	22.17	0
		1	49	22.22	22.23	22.15	0
		25	0	21.55	21.49	21.46	1
		25	12	21.52	21.44	21.39	1
		25	25	21.48	21.43	21.42	1
		50	0	21.50	21.46	21.33	1
	16QAM	1	0	21.69	21.65	21.60	1
		1	24	21.76	21.70	21.67	1
		1	49	21.81	21.73	21.68	1
		25	0	20.56	20.51	20.50	2
		25	12	20.57	20.48	20.48	2
		25	25	20.55	20.56	20.48	2
		50	0	20.55	20.46	20.46	2



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Band/BW	Modulation	RB Size	RB Offset	Low CH 18675	Mid CH 18900	High CH 19125	MPR
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz	
2/ 15	QPSK	1	0	22.44	22.38	22.27	0
		1	37	22.24	22.22	22.12	0
		1	74	22.28	22.26	22.16	0
		36	0	21.52	21.50	21.47	1
		36	19	21.53	21.49	21.39	1
		36	39	21.46	21.44	21.42	1
		75	0	21.50	21.44	21.38	1
	16QAM	1	0	21.73	21.72	21.60	1
		1	37	21.75	21.71	21.67	1
		1	74	21.77	21.78	21.70	1
		36	0	20.60	20.51	20.51	2
		36	19	20.51	20.52	20.44	2
		36	39	20.60	20.54	20.51	2
		75	0	20.56	20.49	20.39	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 18700	Mid CH 18900	High CH 19100	MPR
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz	
2/ 20	QPSK	1	0	22.60	22.57	22.50	0
		1	50	22.43	22.40	22.33	0
		1	99	22.45	22.42	22.35	0
		50	0	21.58	21.55	21.48	1
		50	25	21.54	21.51	21.44	1
		50	50	21.54	21.51	21.44	1
		100	0	21.51	21.48	21.41	1
	16QAM	1	0	21.76	21.73	21.66	1
		1	50	21.79	21.76	21.69	1
		1	99	21.83	21.80	21.73	1
		50	0	20.62	20.59	20.52	2
		50	25	20.59	20.56	20.49	2
		50	50	20.63	20.60	20.53	2
		100	0	20.57	20.54	20.47	2



EIRP POWER (dBm)

WCDMA

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
9662	1852.4	22.65	1.5	24.15	260.02	2
9800	1880	22.73	1.5	24.23	264.85	2
9938	1907.6	22.61	1.5	24.11	257.63	2

LTE BAND 2

CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	22.53	1.5	24.03	252.93	2
18900	1880.0	22.49	1.5	23.99	250.61	2
19193	1908.3	22.46	1.5	23.96	248.89	2

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	21.78	1.5	23.28	212.81	2
18900	1880.0	21.72	1.5	23.22	209.89	2
19193	1908.3	21.72	1.5	23.22	209.89	2

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	22.39	1.5	23.89	244.91	2
18900	1880.0	22.4	1.5	23.9	245.47	2
19185	1908.5	22.29	1.5	23.79	239.33	2

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	21.81	1.5	23.31	214.29	2
18900	1880.0	21.72	1.5	23.22	209.89	2
19185	1908.5	21.72	1.5	23.22	209.89	2



CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	22.4	1.5	23.9	245.47	2
18900	1880.0	22.35	1.5	23.85	242.66	2
19175	1907.5	22.3	1.5	23.8	239.88	2

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	21.81	1.5	23.31	214.29	2
18900	1880.0	21.74	1.5	23.24	210.86	2
19175	1907.5	21.71	1.5	23.21	209.41	2

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855.0	22.37	1.5	23.87	243.78	2
18900	1880.0	22.38	1.5	23.88	244.34	2
19150	1905.0	22.3	1.5	23.8	239.88	2

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855.0	21.81	1.5	23.31	214.29	2
18900	1880.0	21.73	1.5	23.23	210.38	2
19150	1905.0	21.68	1.5	23.18	207.97	2



CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	22.44	1.5	23.94	247.74	2
18900	1880.0	22.38	1.5	23.88	244.34	2
19125	1902.5	22.27	1.5	23.77	238.23	2

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	21.77	1.5	23.27	212.32	2
18900	1880.0	21.78	1.5	23.28	212.81	2
19125	1902.5	21.7	1.5	23.2	208.93	2

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.6	1.5	24.1	257.04	2
18900	1880	22.57	1.5	24.07	255.27	2
19100	1900	22.5	1.5	24	251.19	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	21.83	1.5	23.33	215.28	2
18900	1880	21.8	1.5	23.3	213.8	2
19100	1900	21.73	1.5	23.23	210.38	2

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).



3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

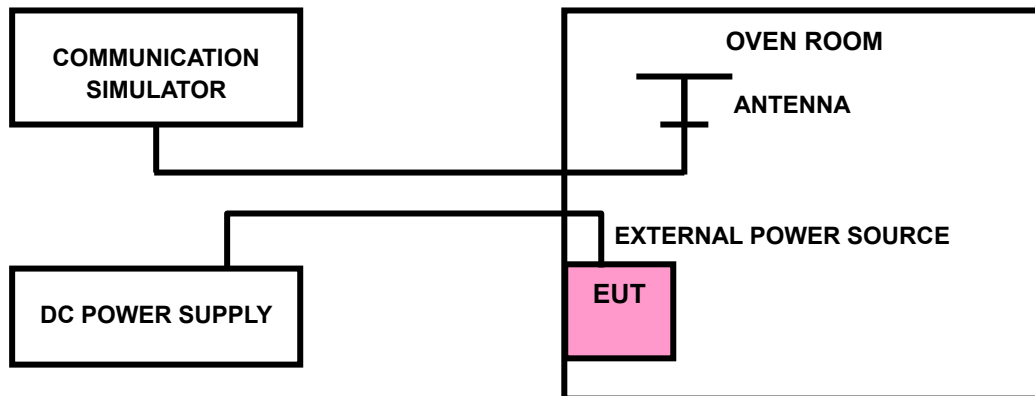
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.2.2 TEST PROCEDURE

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP





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3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

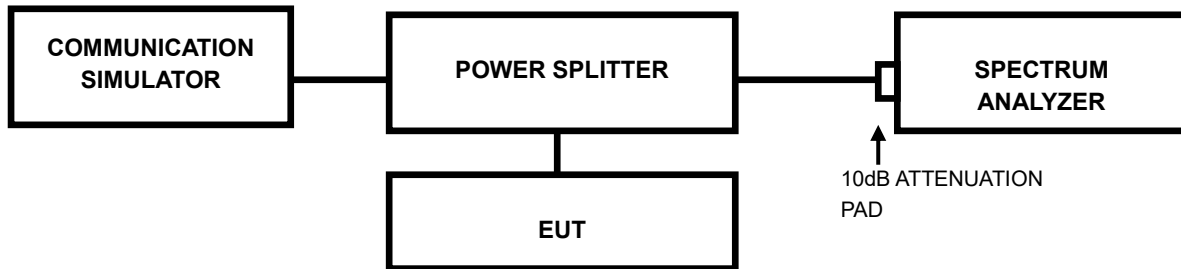


3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All 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. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.2 TEST SETUP





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Test Report No.: W7L-P22010007RF03

3.3.3 TEST RESULTS

Please Refer to Appendix Of this test report.

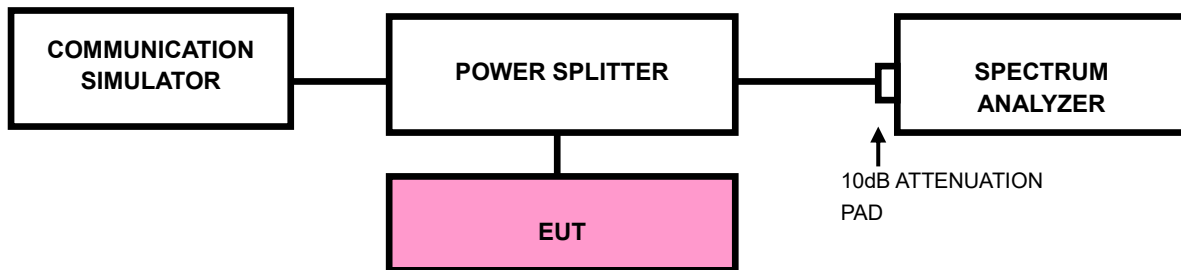


3.4 BAND EDGE MEASUREMENTC

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. In the 1 MHz 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.

3.4.2 TEST SETUP





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3.4.3 TEST PROCEDURES

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 10kHz and VBW of the spectrum is 30kHz (LTE bandwidth for (1.4M/3M/5M/10M/15M/20M)1RB/0RB&1RB/MAXRB).
- c. The center frequency of spectrum is the band edge frequency and span is 10MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).
- d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is $\geq 1\% \cdot \text{EBW}$ kHz and VBW of the spectrum is $3 \cdot \text{RBW}$ kHz. (LTE bandwidth 1.4M/3M/5M/10M/15M/20MHz).
- e. Record the max trace plot into the test report.

3.4.4. TEST RESULTS

Please Refer to Appendix Of this test report.



3.5 CONDUCTED SPURIOUS EMISSIONS

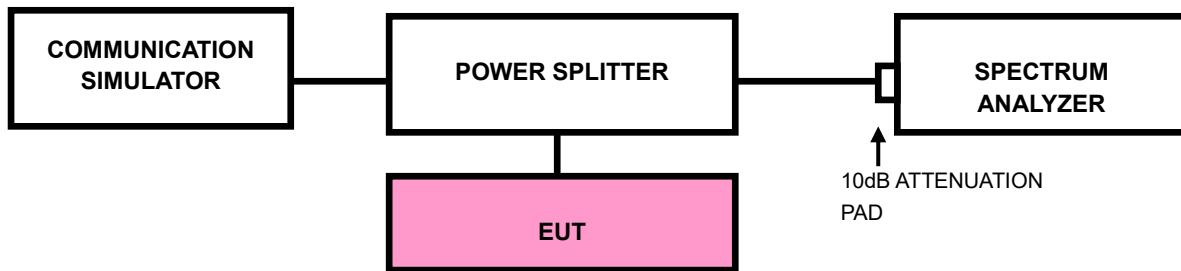
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

3.5.2 TEST PROCEDURE

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30MHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





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Test Report No.: W7L-P22010007RF03

3.5.4 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Please Refer to Appendix Of this test report.



3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

3.6.2 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. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

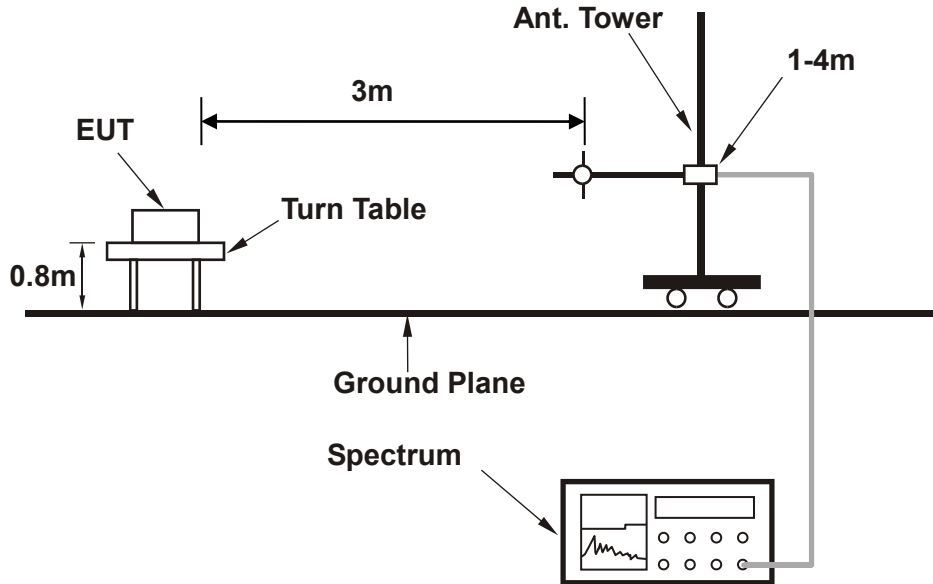
3.6.3 DEVIATION FROM TEST STANDARD

No deviation

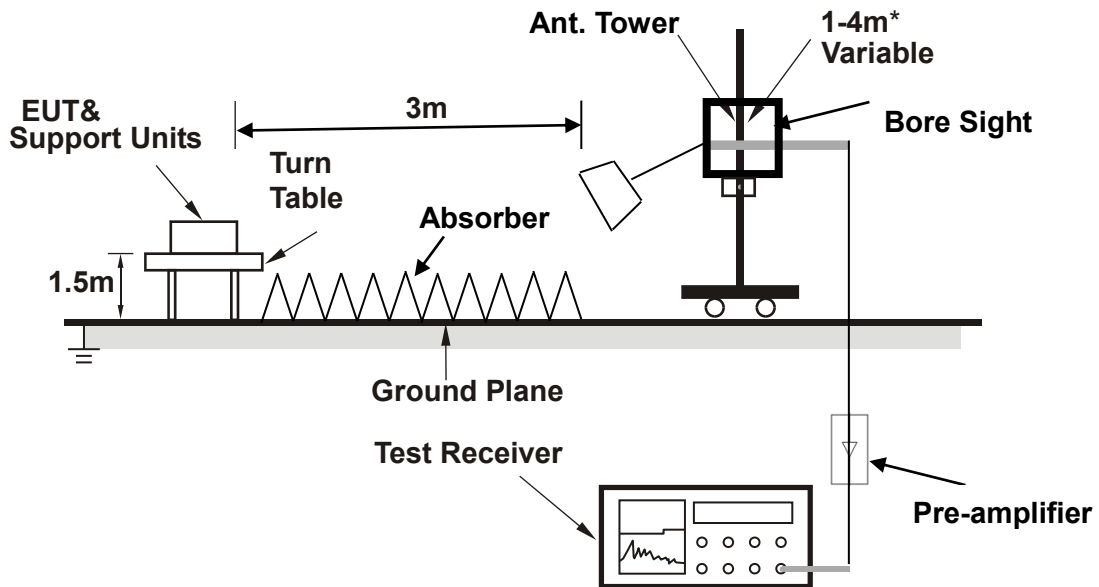


3.6.4 TEST SETUP

< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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



3.6.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

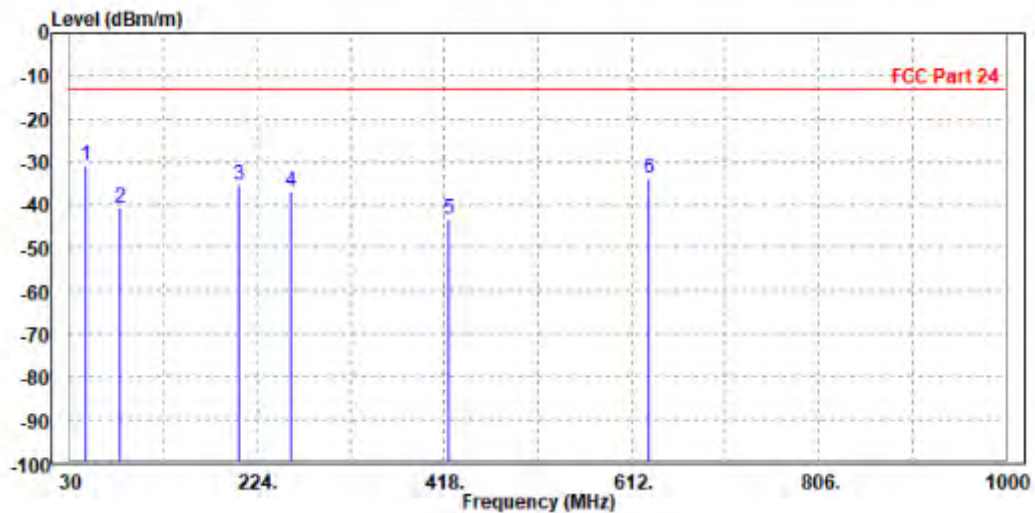
30 MHz – 1GHz data:

WCDMA Band II

CHANNEL BANDWIDTH: 9262 ~ 9538

MODE	TX channel 9538	FREQUENCY RANGE	Below 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	PP	45.520	-38.96	-41.98	-13.00	-17.96	11.02 Peak	Horizontal
2		81.410	-40.81	-48.70	-13.00	-27.81	7.89 Peak	Horizontal
3		204.600	-35.31	-46.51	-13.00	-22.31	11.20 Peak	Horizontal
4		257.950	-36.91	-50.24	-13.00	-23.91	13.33 Peak	Horizontal
5		422.850	-43.28	-60.59	-13.00	-30.28	17.31 Peak	Horizontal
6		629.460	-33.86	-55.15	-13.00	-20.86	21.29 Peak	Horizontal



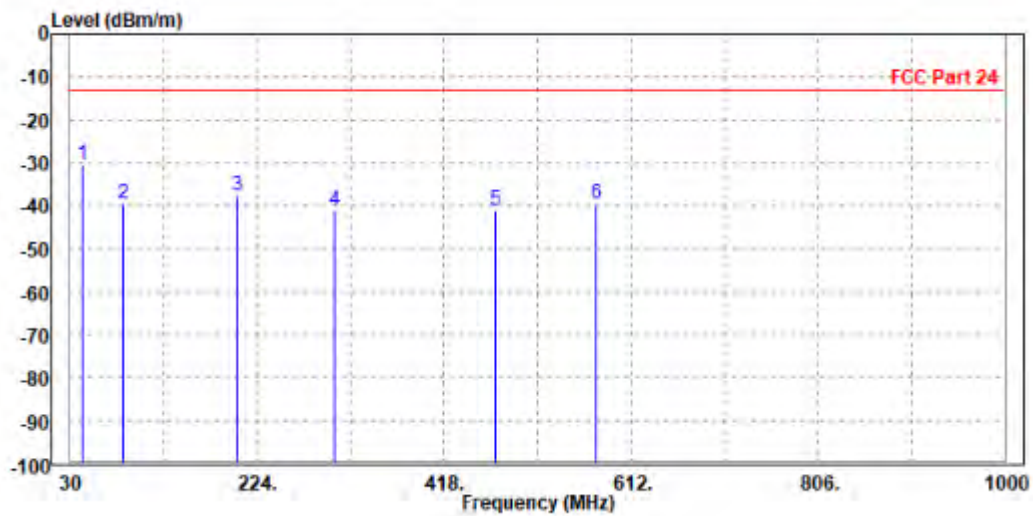


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Test Report No.: W7L-P22010007RF03

MODE	TX channel 9538	FREQUENCY RANGE	Below 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	PP	42.610	-30.51	-41.87	-13.00	-17.51	11.36	Peak	Vertical
2		85.290	-39.53	-47.94	-13.00	-26.53	8.41	Peak	Vertical
3		202.660	-37.74	-49.36	-13.00	-24.74	11.62	Peak	Vertical
4		303.540	-41.25	-56.33	-13.00	-28.25	15.08	Peak	Vertical
5		471.350	-40.91	-59.47	-13.00	-27.91	18.56	Peak	Vertical
6		576.110	-39.44	-59.91	-13.00	-26.44	20.47	Peak	Vertical





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ABOVE 1GHz DATA

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

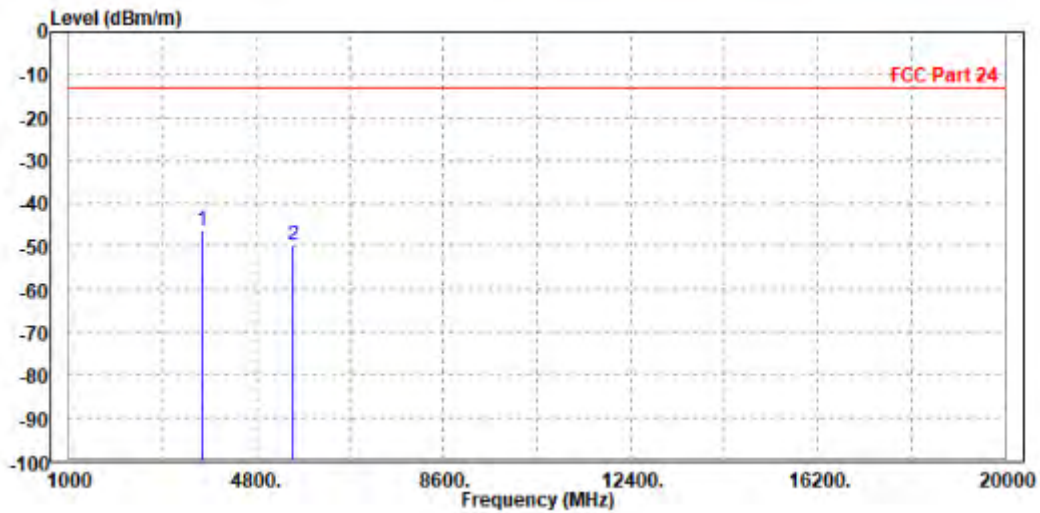
WORST-CASE DATA

WCDMA Band II

CH 9262

MODE	TX channel 9262	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	PP 3704.800	-46.38	-55.17	-13.00	-33.38	8.79	Peak	Horizontal
2	5560.000	-49.99	-60.21	-13.00	-36.99	10.22	Peak	Horizontal



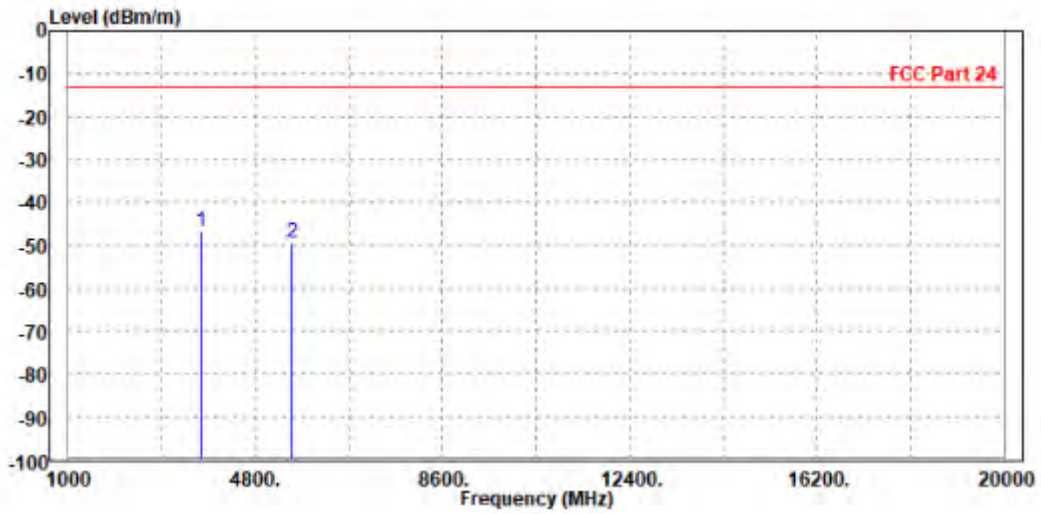


**BUREAU
VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 9262	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 PP	3698.000	-46.80	-56.05	-13.00	-33.80	9.25	Peak	Vertical
2	5557.200	-49.59	-59.52	-13.00	-36.59	9.93	Peak	Vertical

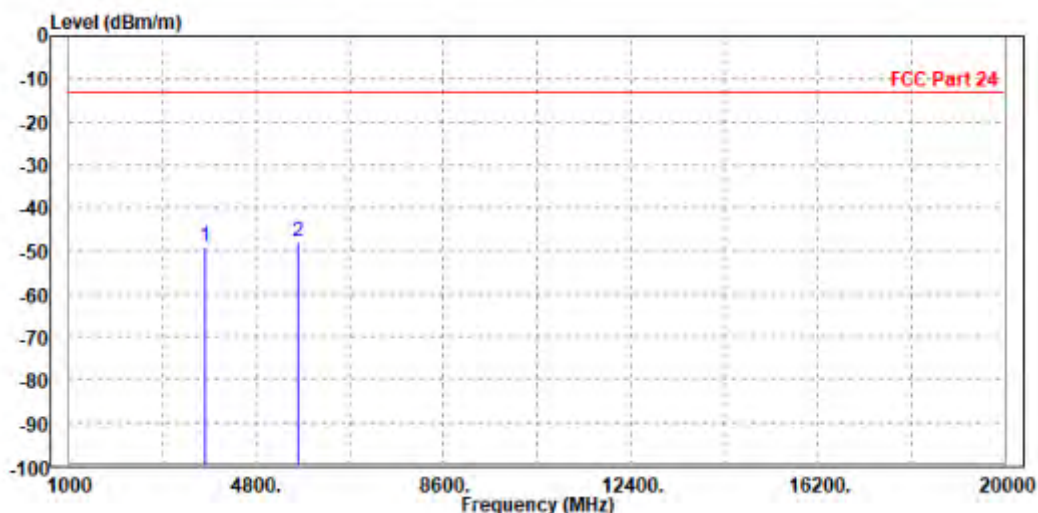




CH 9400

MODE	TX channel 9400	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	3755.000	-49.10	-57.95	-13.00	-36.10	8.85	Peak	Horizontal
2 PP	5640.000	-47.84	-58.32	-13.00	-34.84	10.48	Peak	Horizontal



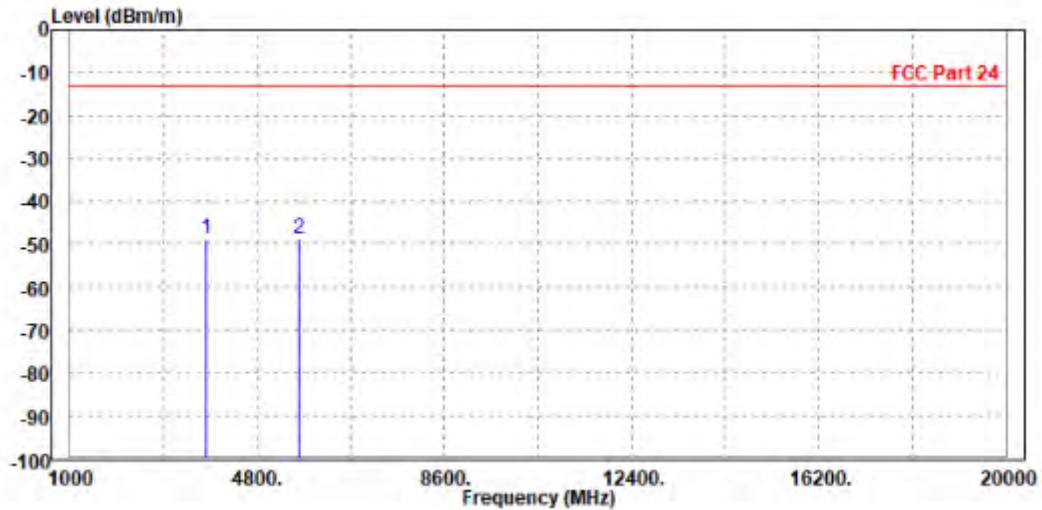


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VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 9400	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	PP 3760.000	-48.55	-57.82	-13.00	-35.55	9.27	Peak	Vertical
2	5636.000	-48.82	-59.05	-13.00	-35.82	10.23	Peak	Vertical





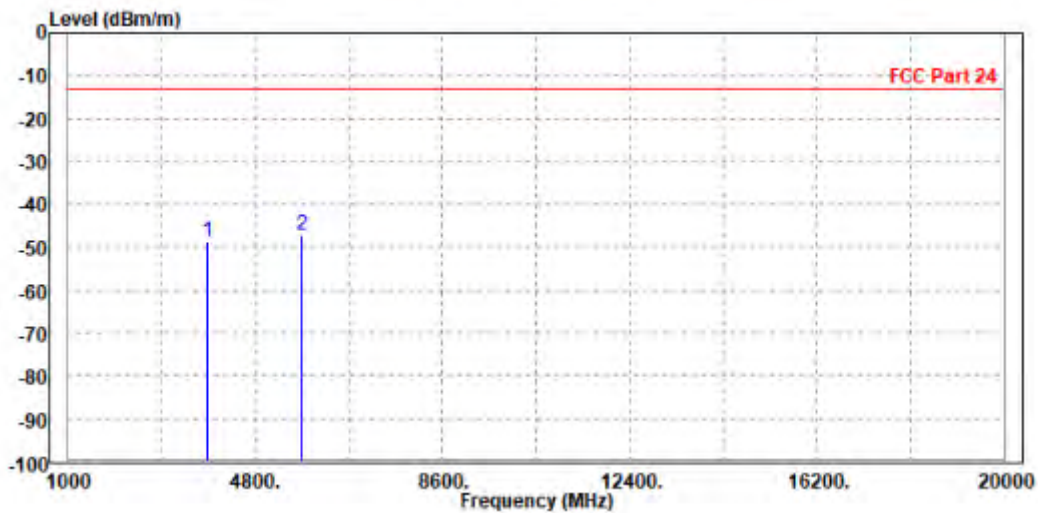
**BUREAU
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Test Report No.: W7L-P22010007RF03

CH 9538

MODE	TX channel 9538	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	3815.200	-48.73	-57.64	-13.00	-35.73	8.91	Peak	Horizontal
2 PP	5731.000	-47.04	-57.82	-13.00	-34.04	10.78	Peak	Horizontal



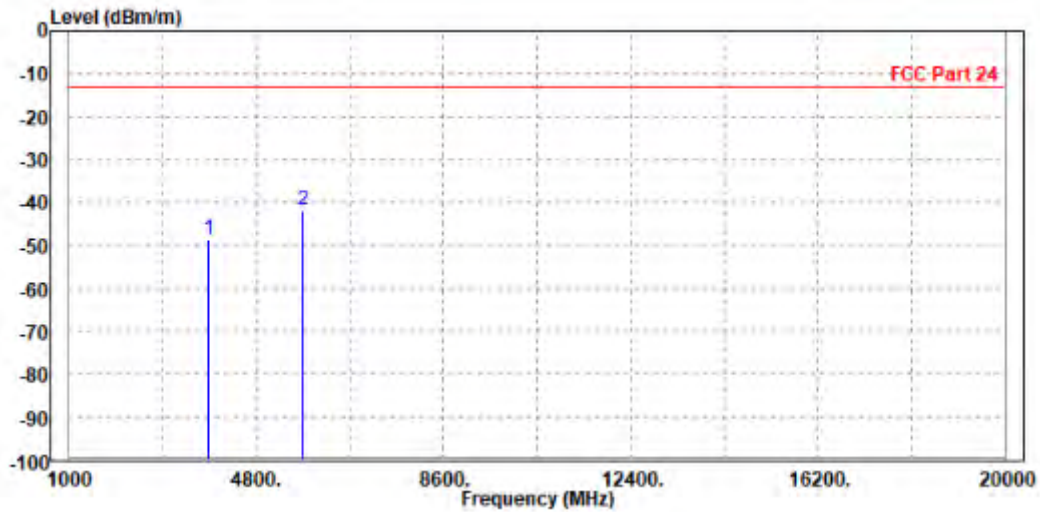


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Test Report No.: W7L-P22010007RF03

MODE	TX channel 9538	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	3812.000	-48.57	-57.86	-13.00	-35.57	9.29	Peak	Vertical
2 PP	5731.000	-41.88	-52.48	-13.00	-28.88	10.60	Peak	Vertical





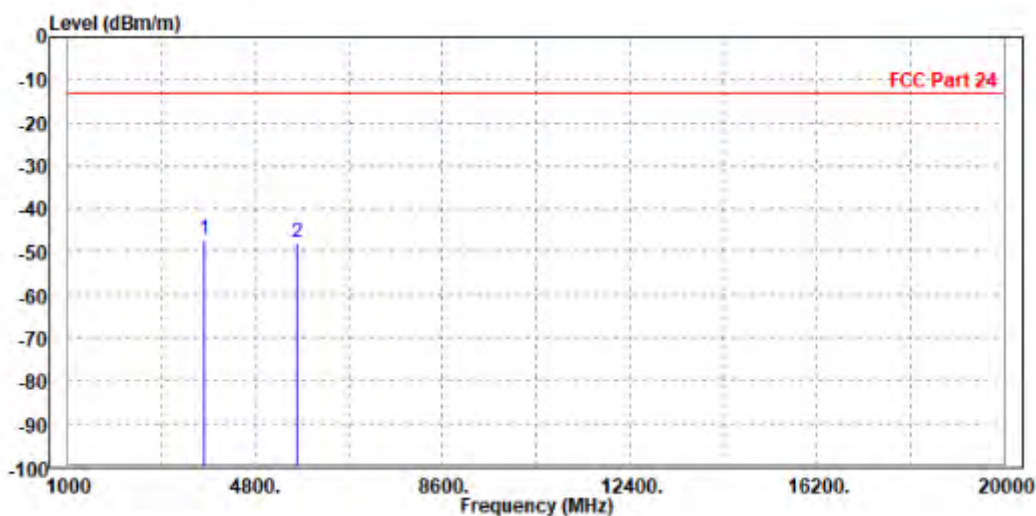
Test Report No.: W7L-P22010007RF03

LTE Band 2

CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 18900	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			

	Read	Limit	Over				
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 3755.000	-47.21	-56.06	-13.00	-34.21	8.85	Peak	Horizontal
2 5640.000	-48.07	-58.55	-13.00	-35.07	10.48	Peak	Horizontal



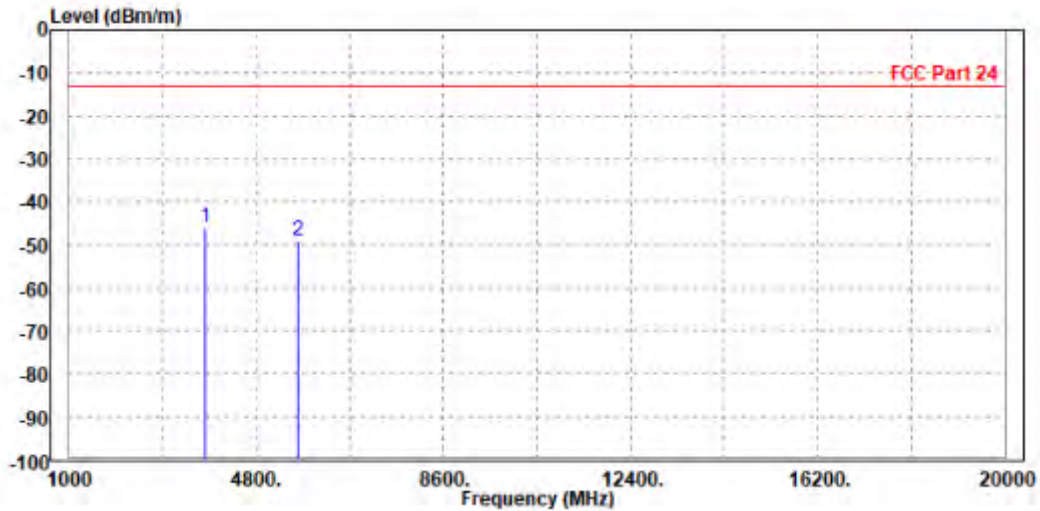


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VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 18900	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	PP 3755.000	-45.97	-55.24	-13.00	-32.97	9.27	Peak	Vertical
2	5640.000	-48.90	-59.15	-13.00	-35.90	10.25	Peak	Vertical





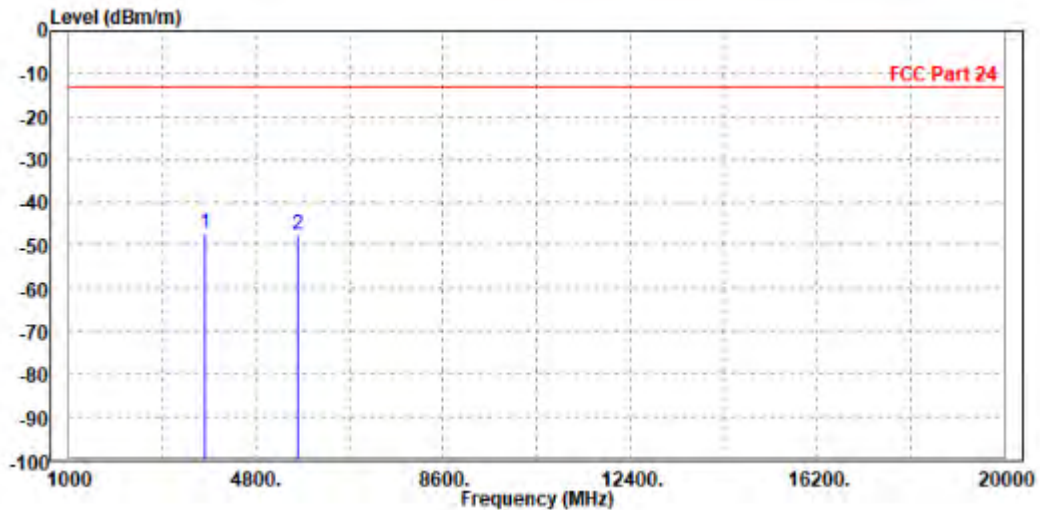
**BUREAU
VERITAS**

Test Report No.: W7L-P22010007RF03

CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 18900	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	PP 3760.000	-47.32	-56.17	-13.00	-34.32	8.85	Peak	Horizontal
2	5636.000	-47.51	-57.98	-13.00	-34.51	10.47	Peak	Horizontal



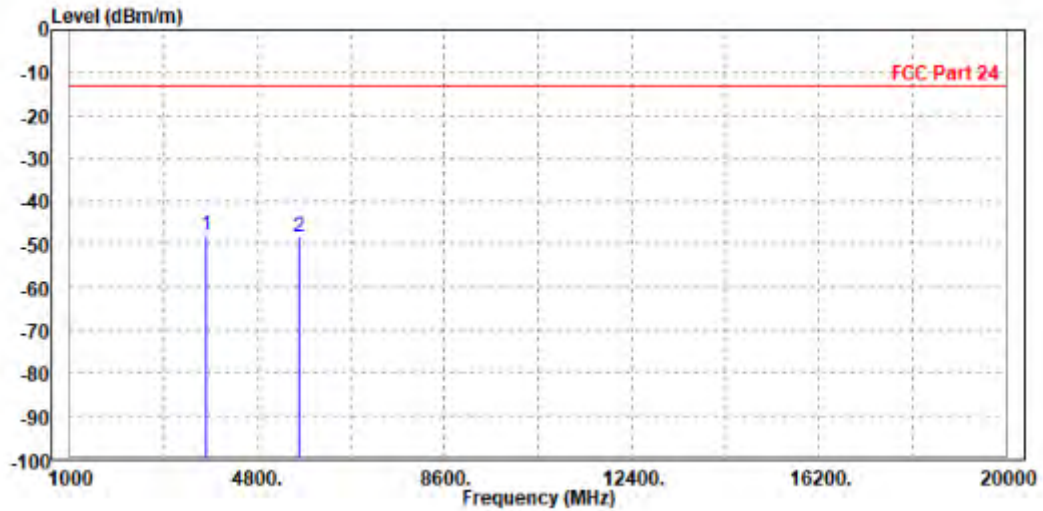


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VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 18900	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	PP 3755.000	-47.98	-57.25	-13.00	-34.98	9.27	Peak	Vertical
2	5640.000	-48.43	-58.68	-13.00	-35.43	10.25	Peak	Vertical





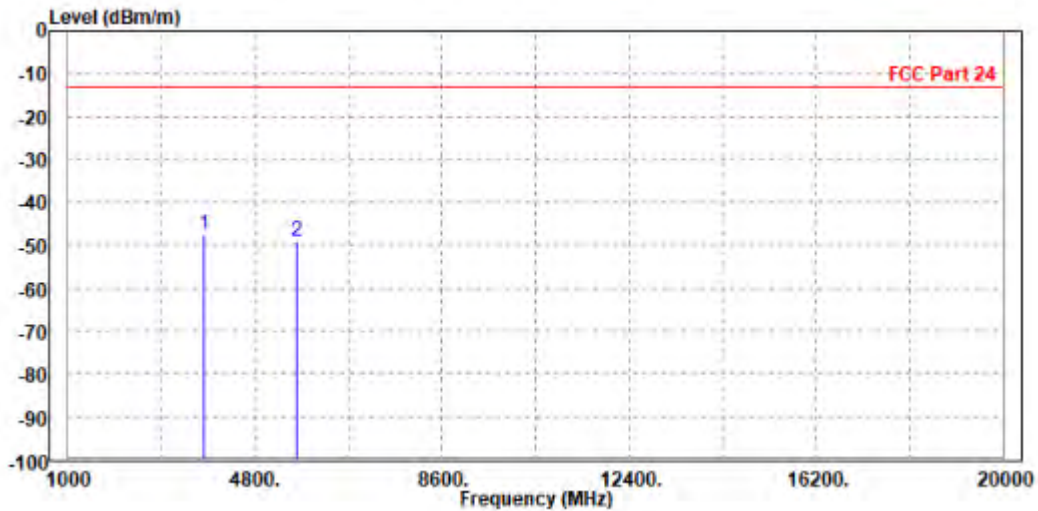
**BUREAU
VERITAS**

Test Report No.: W7L-P22010007RF03

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 18900	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 PP	3755.000	-47.35	-56.20	-13.00	-34.35	8.85	Peak	Horizontal
2	5640.000	-49.10	-59.58	-13.00	-36.10	10.48	Peak	Horizontal



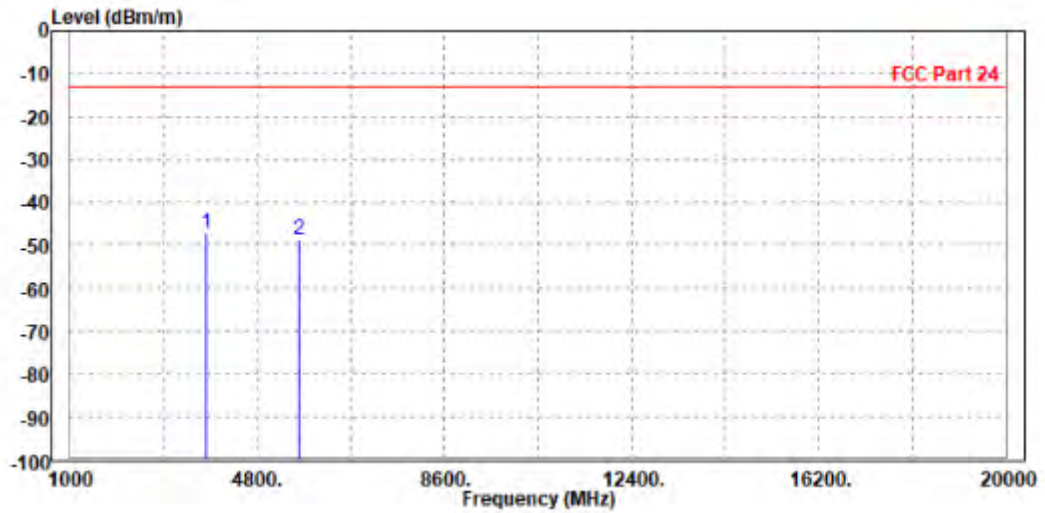


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VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 18900	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	PP 3760.000	-47.32	-56.59	-13.00	-34.32	9.27	Peak	Vertical
2	5636.000	-48.79	-59.02	-13.00	-35.79	10.23	Peak	Vertical





BUREAU VERITAS

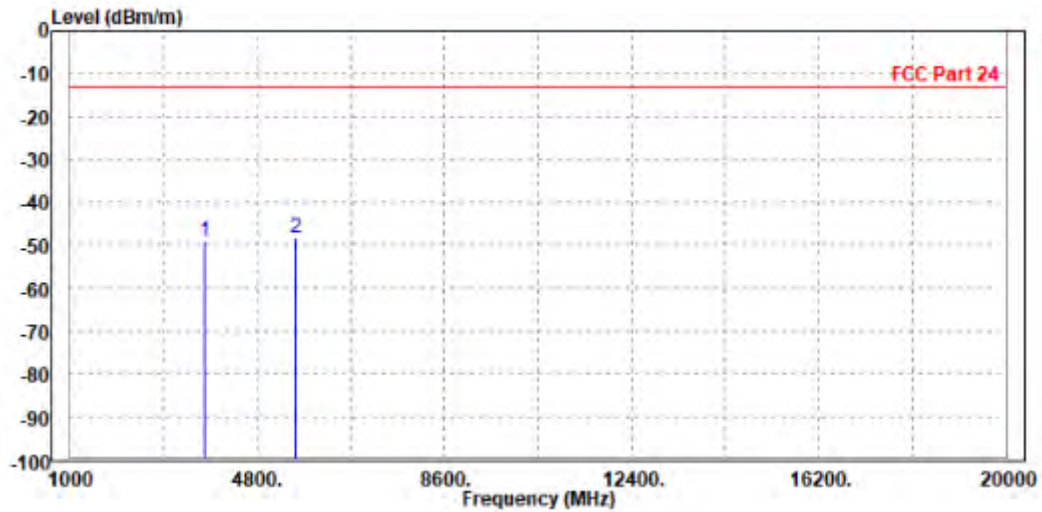
Test Report No.: W7L-P22010007RF03

CHANNEL BANDWIDTH: 10MHz / QPSK

CH18650

MODE	TX channel 18650	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	3717.000	-48.93	-57.74	-13.00	-35.93	8.81	Peak	Horizontal
2 PP	5565.000	-48.42	-58.66	-13.00	-35.42	10.24	Peak	Horizontal



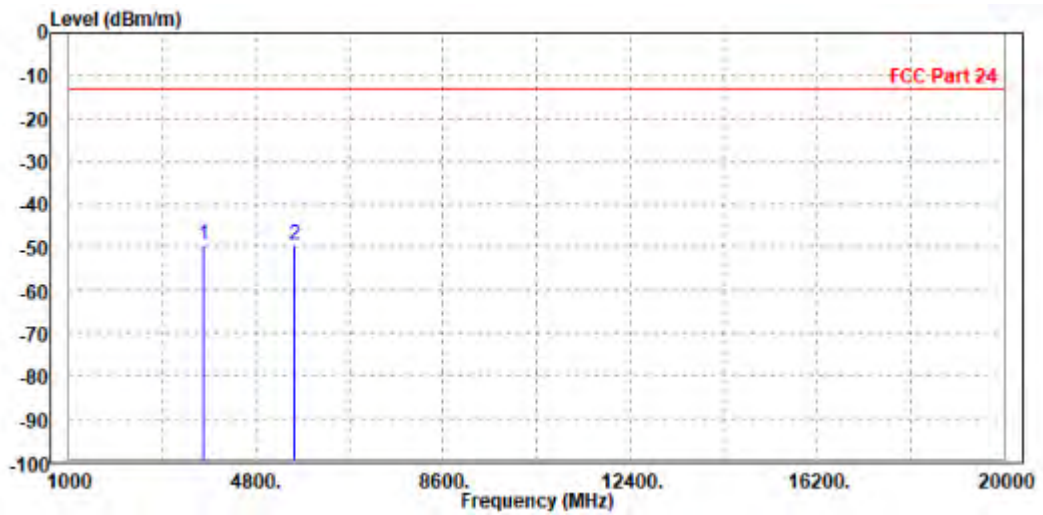


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VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 18650	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	PP 3717.000	-49.25	-58.51	-13.00	-36.25	9.26	Peak	Vertical
2	5565.000	-49.54	-59.50	-13.00	-36.54	9.96	Peak	Vertical





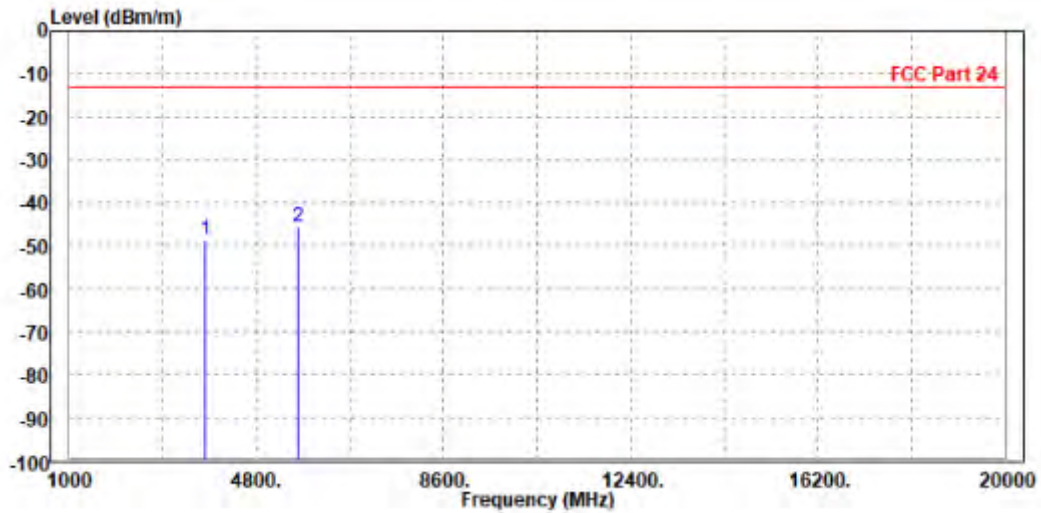
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VERITAS**

Test Report No.: W7L-P22010007RF03

CH18900

MODE	TX channel 18900	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	3760.000	-48.49	-57.34	-13.00	-35.49	8.85	Peak	Horizontal
2 PP	5636.000	-45.77	-56.24	-13.00	-32.77	10.47	Peak	Horizontal



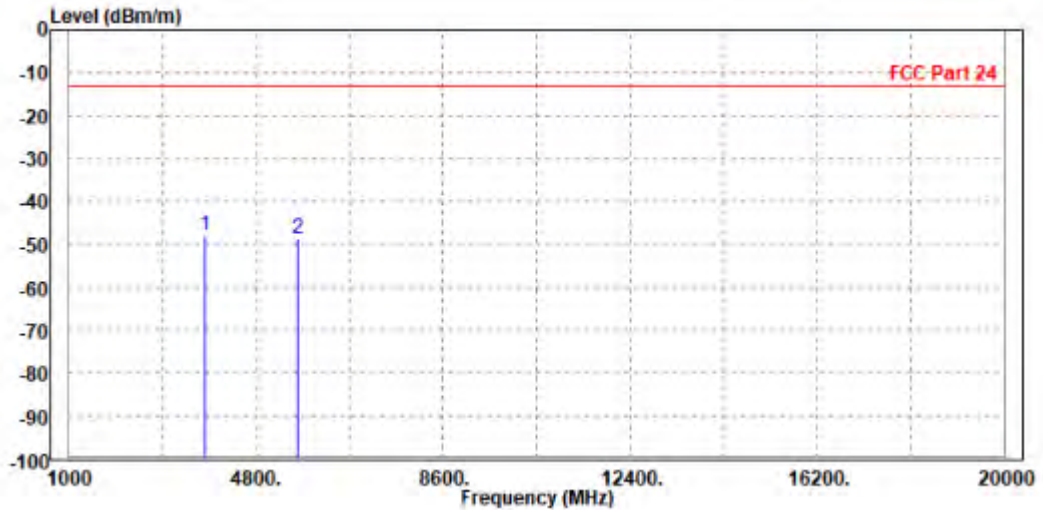


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Test Report No.: W7L-P22010007RF03

MODE	TX channel 18900	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	PP 3755.000	-48.01	-57.28	-13.00	-35.01	9.27	Peak	Vertical
2	5640.000	-48.64	-58.89	-13.00	-35.64	10.25	Peak	Vertical





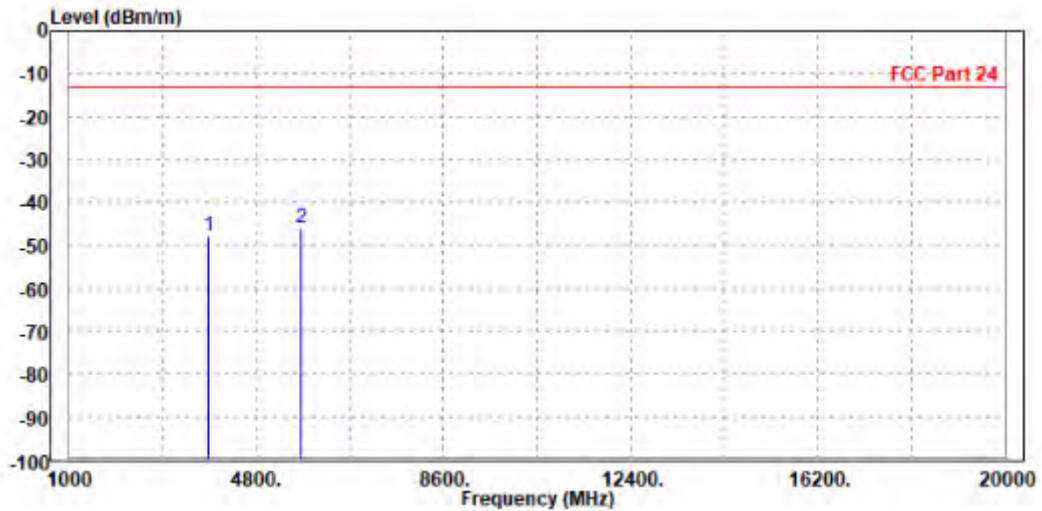
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Test Report No.: W7L-P22010007RF03

CH19150

MODE	TX channel 19150	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	3812.000	-47.98	-56.89	-13.00	-34.98	8.91	Peak	Horizontal
2 PP	5715.000	-46.00	-56.73	-13.00	-33.00	10.73	Peak	Horizontal



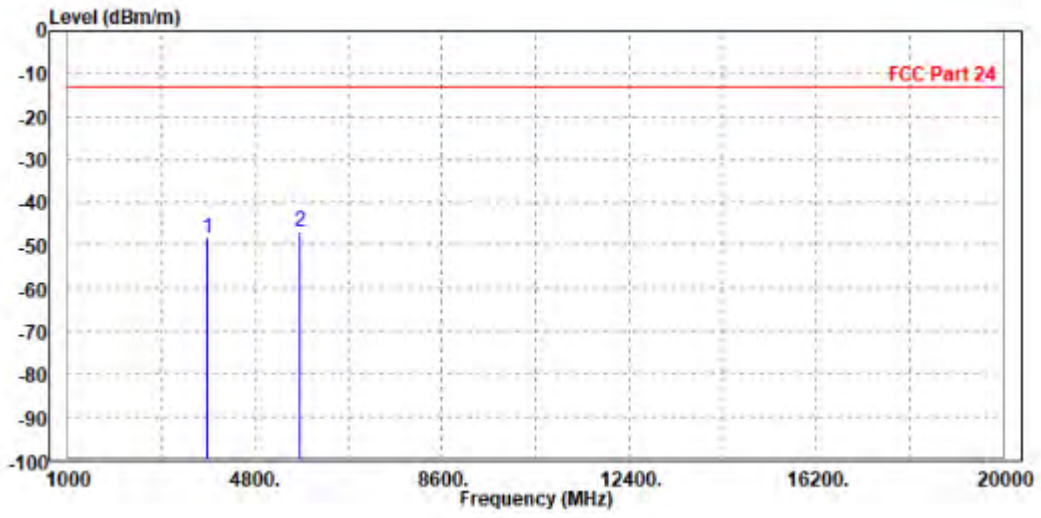


BUREAU VERITAS

Test Report No.: W7L-P22010007RF03

MODE	TX channel 19150	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	3812.000	-48.32	-57.61	-13.00	-35.32	9.29	Peak	Vertical
2 PP	5715.000	-46.90	-57.44	-13.00	-33.90	10.54	Peak	Vertical





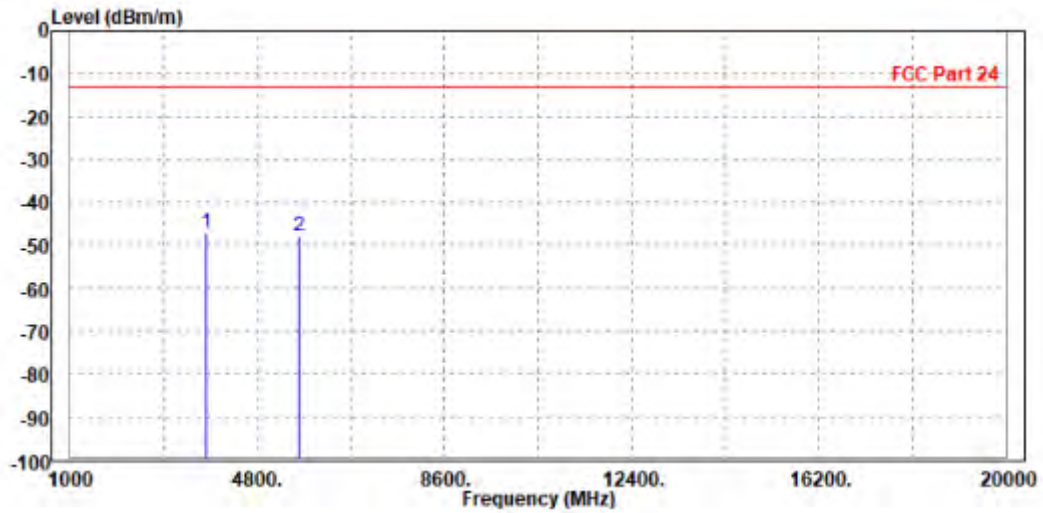
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VERITAS**

Test Report No.: W7L-P22010007RF03

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 18900	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	PP 3755.000	-47.29	-56.14	-13.00	-34.29	8.85	Peak	Horizontal
2	5640.000	-47.95	-58.43	-13.00	-34.95	10.48	Peak	Horizontal



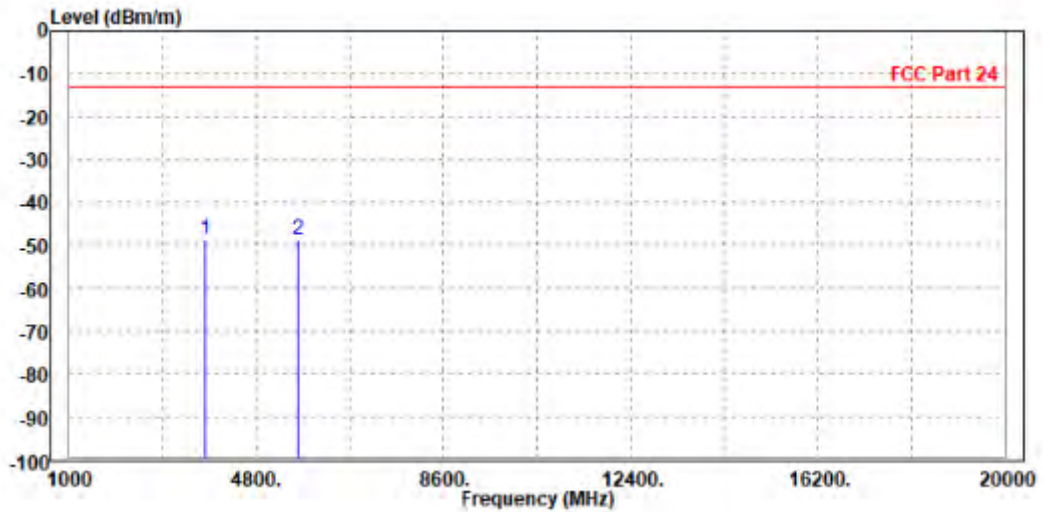


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VERITAS**

Test Report No.: W7L-P22010007RF03

MODE	TX channel 18900	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	PP 3760.000	-48.58	-57.85	-13.00	-35.58	9.27	Peak	Vertical
2	5636.000	-48.76	-58.99	-13.00	-35.76	10.23	Peak	Vertical





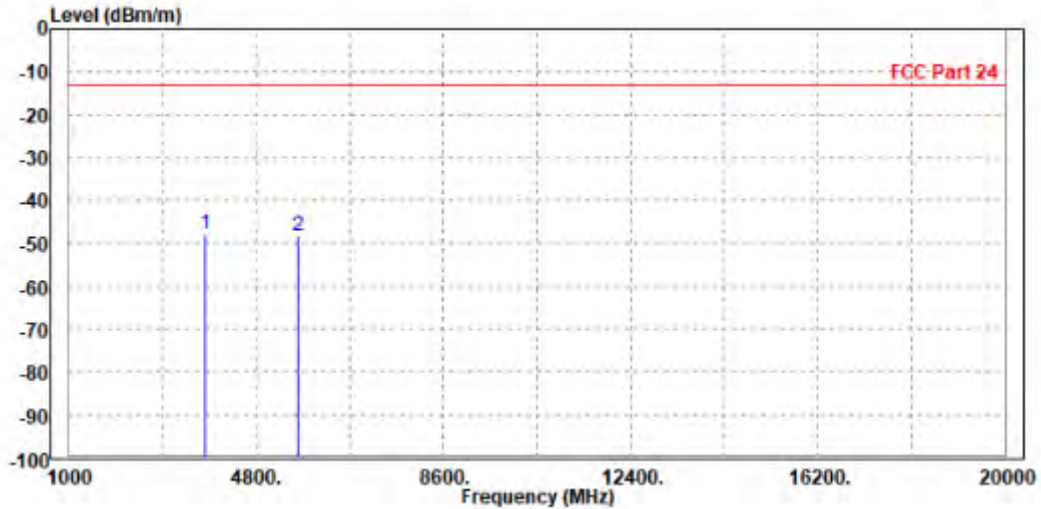
**BUREAU
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Test Report No.: W7L-P22010007RF03

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 18900	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	PP 3760.000	-47.96	-56.81	-13.00	-34.96	8.85	Peak	Horizontal
2	5636.000	-48.15	-58.62	-13.00	-35.15	10.47	Peak	Horizontal



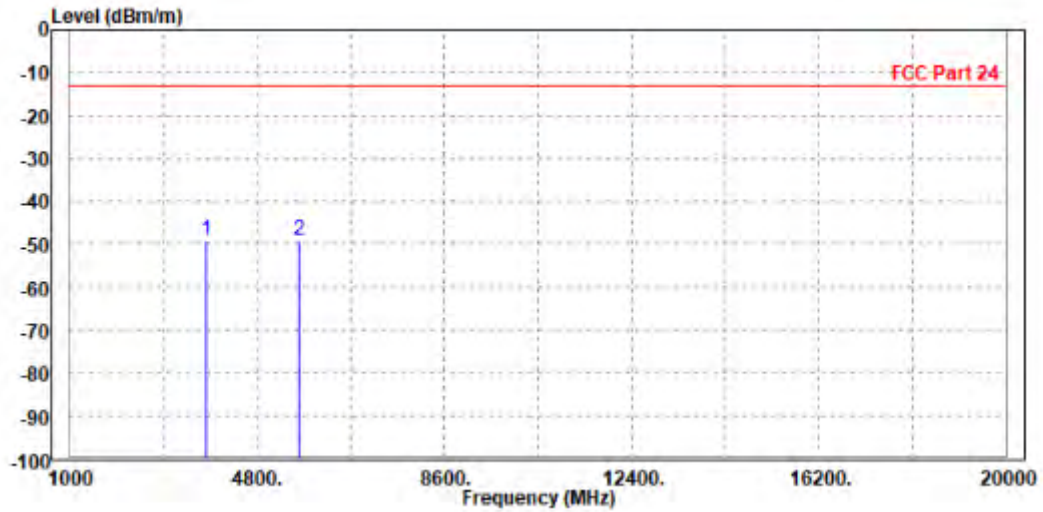


**BUREAU
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Test Report No.: W7L-P22010007RF03

MODE	TX channel 18900	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	3755.000	-49.03	-58.30	-13.00	-36.03	9.27	Peak	Vertical
2 PP	5640.000	-48.91	-59.16	-13.00	-35.91	10.25	Peak	Vertical



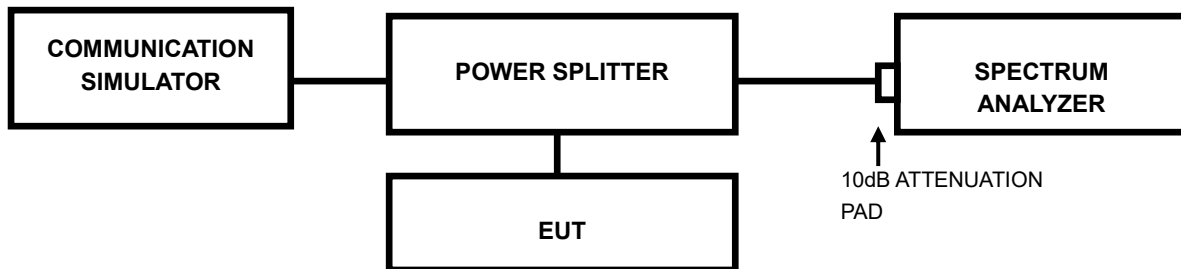


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



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Test Report No.: W7L-P22010007RF03

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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Test Report No.: W7L-P22010007RF03

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:

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566

Fax: +86-755-88696577

Email: customerservice.sw@cn.bureauveritas.com

Web Site: www.adt.com.tw

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



Test Report No.: W7L-P22010007RF03

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

Please Refer to Appendix Of this test report.



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Test Report No.: W7L-P22010007RF03

6 Appendix

WCDMA Band2

PEAK-TO-AVERAGE RATIO

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	3.12	13	PASS
Band2	9400	3.09	13	PASS
Band2	9538	3.06	13	PASS



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Test Report No.: W7L-P22010007RF03

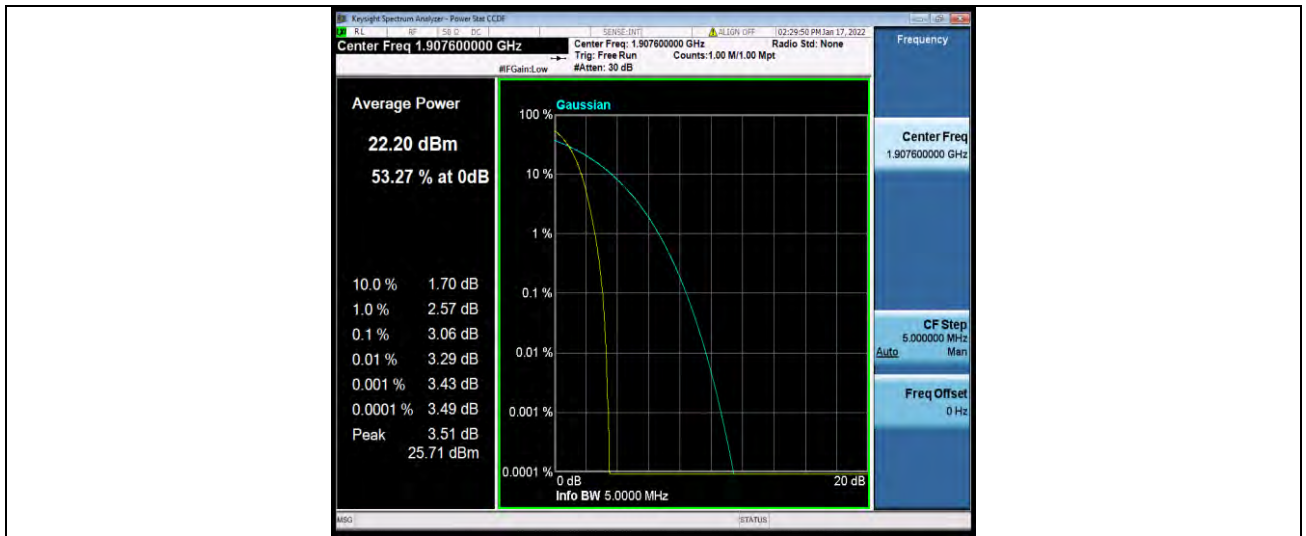
Test Graphs





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Test Report No.: W7L-P22010007RF03

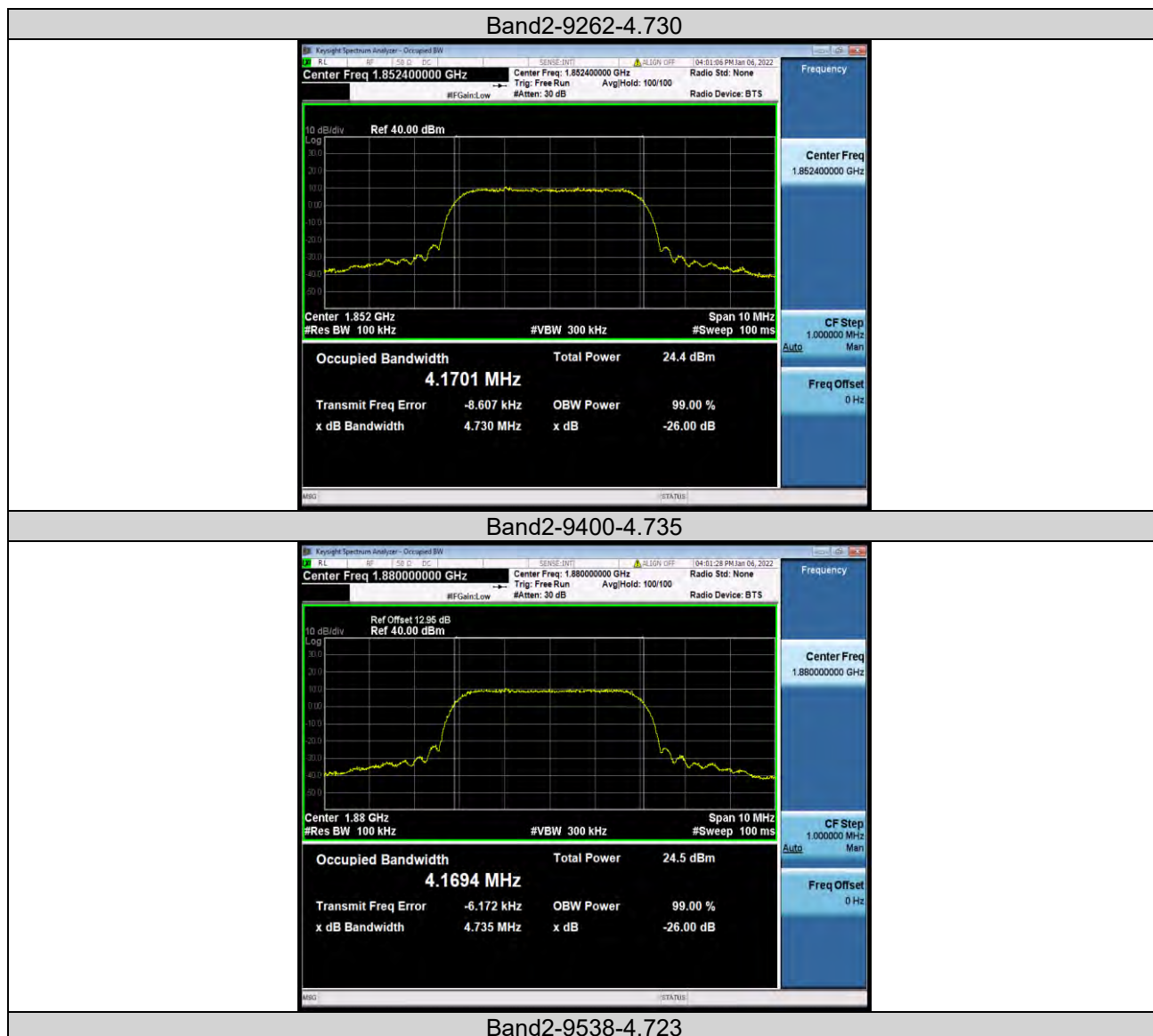


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1701	4.730	---	PASS
Band2	9400	4.1694	4.735	---	PASS
Band2	9538	4.1599	4.723	---	PASS

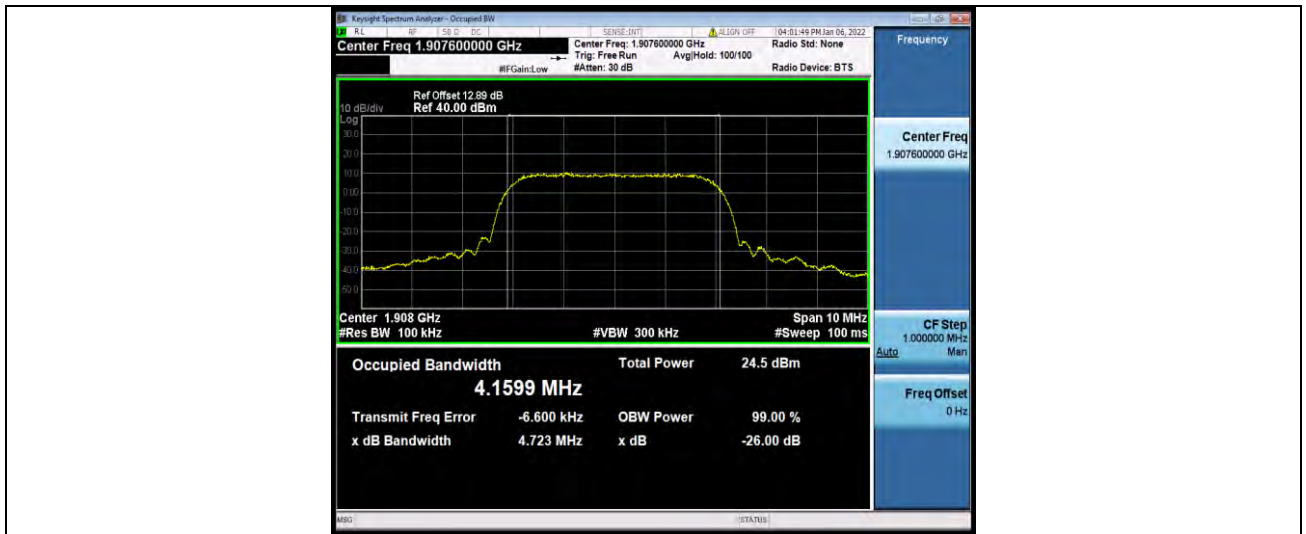
Test Graphs





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Test Report No.: W7L-P22010007RF03





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Test Report No.: W7L-P22010007RF03

BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-27.56	-13	PASS
Band2	9538	1910.00	-27.86	-13	PASS

Test Graphs

Band2-9262



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Test Report No.: W7L-P22010007RF03



Band2-9538





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Test Report No.: W7L-P22010007RF03

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	858.77	-37.17	-13	PASS
Band2	9262	1000~3000MHz	2642.33	-36.58	-13	PASS
Band2	9262	3000~20000MHz	19085.4	-33.35	-13	PASS
Band2	9400	30~1000MHz	868.57	-37.25	-13	PASS
Band2	9400	1000~3000MHz	2625.2	-36.47	-13	PASS
Band2	9400	3000~20000MHz	19097.3	-33.38	-13	PASS
Band2	9538	30~1000MHz	772.6	-37.86	-13	PASS
Band2	9538	1000~3000MHz	2640.13	-36.58	-13	PASS
Band2	9538	3000~20000MHz	19162.47	-33.39	-13	PASS

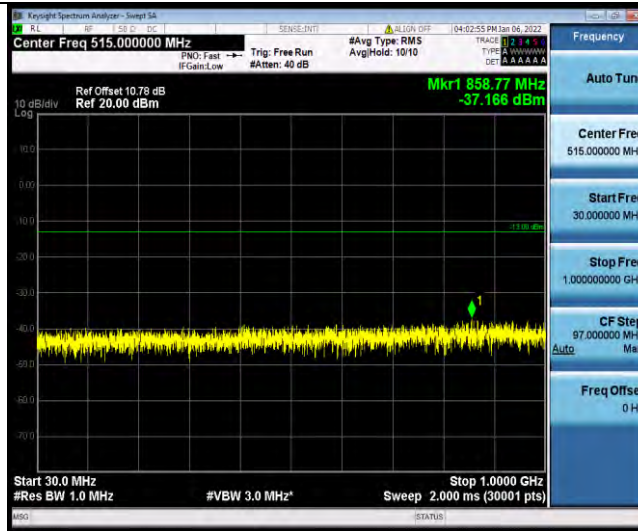
Test Graphs

Band2-9262-30~1000MHz



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Test Report No.: W7L-P22010007RF03



Band2-9262-1000~3000MHz



Band2-9262-3000~20000MHz



Band2-9400-30~1000MHz

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

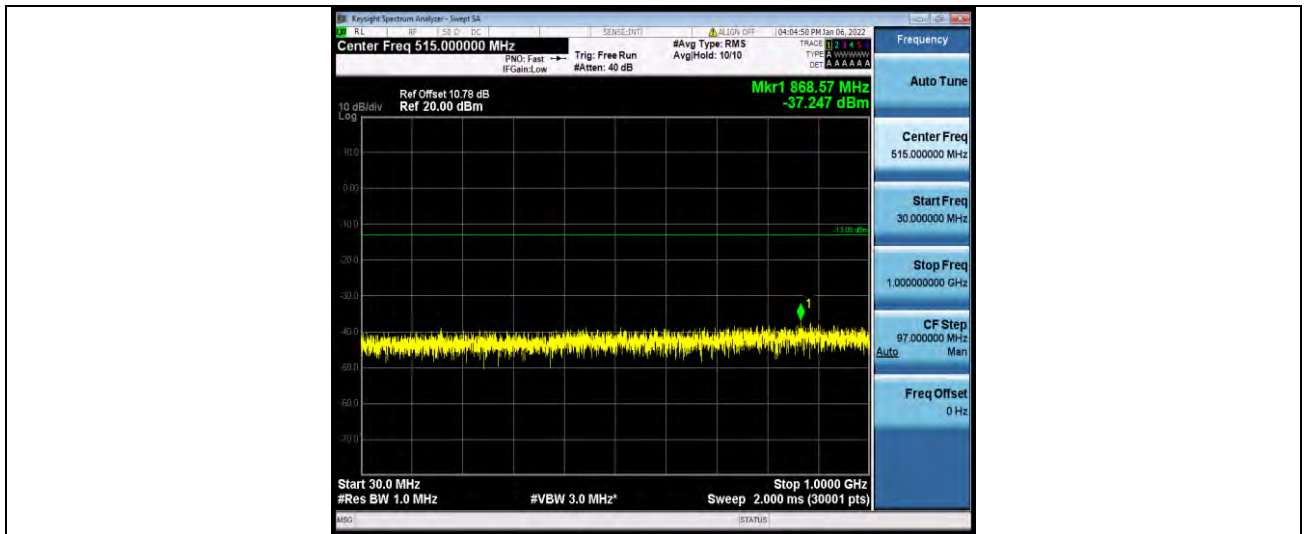
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



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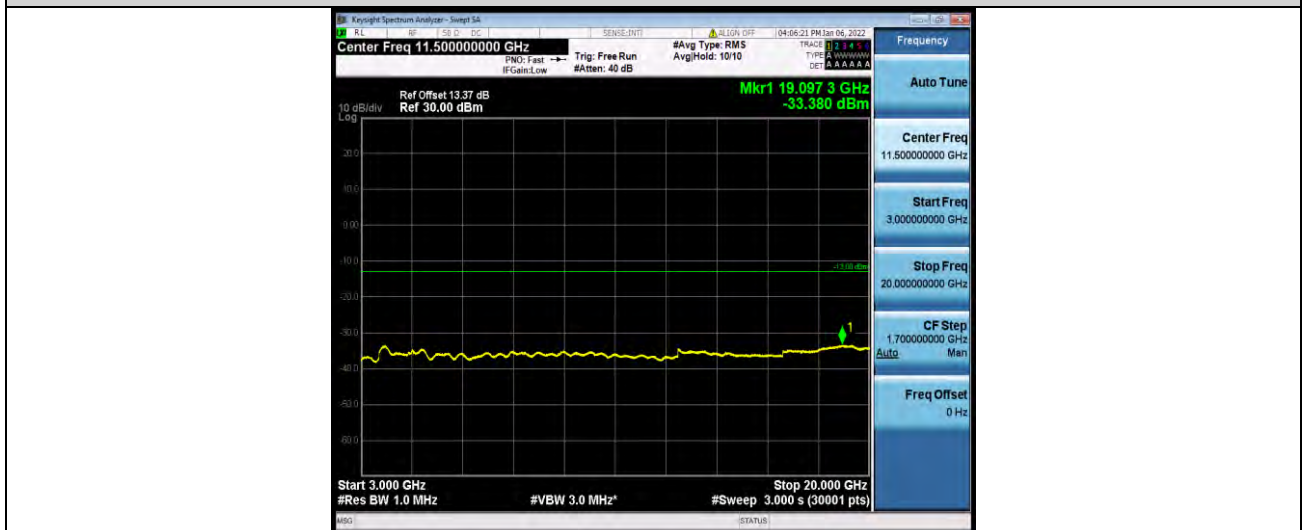
Test Report No.: W7L-P22010007RF03



Band2-9400-1000~3000MHz



Band2-9400-3000~20000MHz

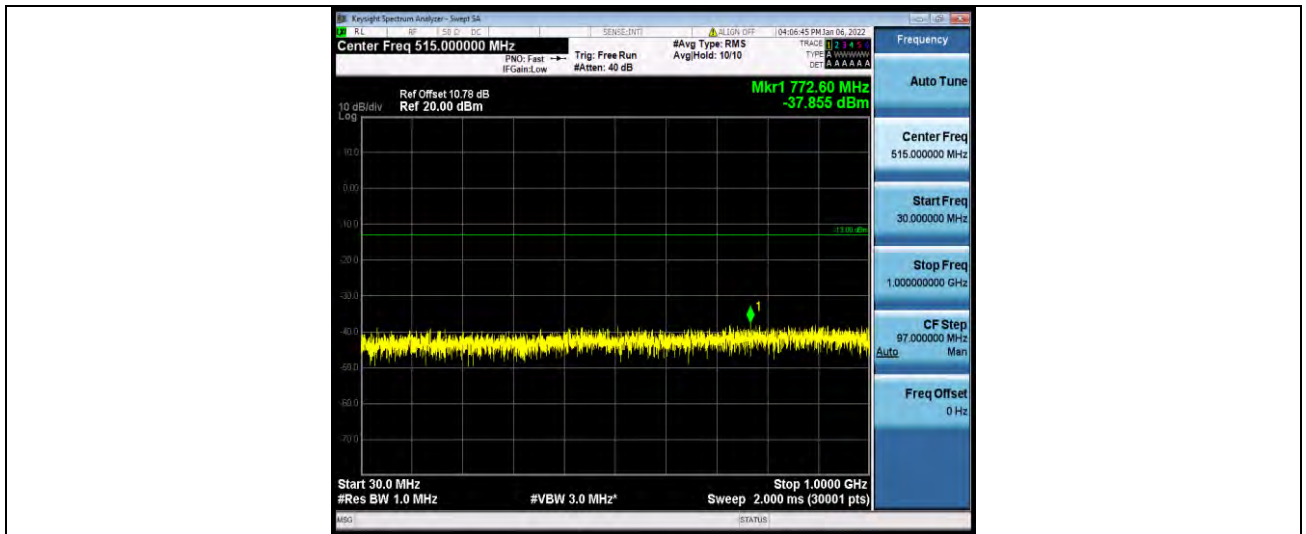


Band2-9538-30~1000MHz

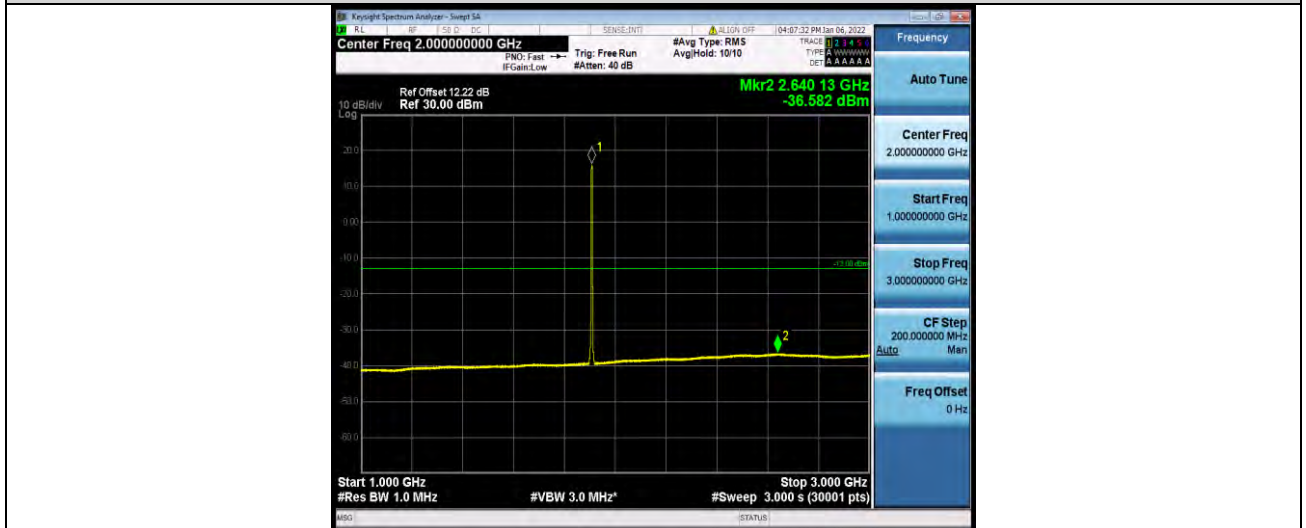


BUREAU VERITAS

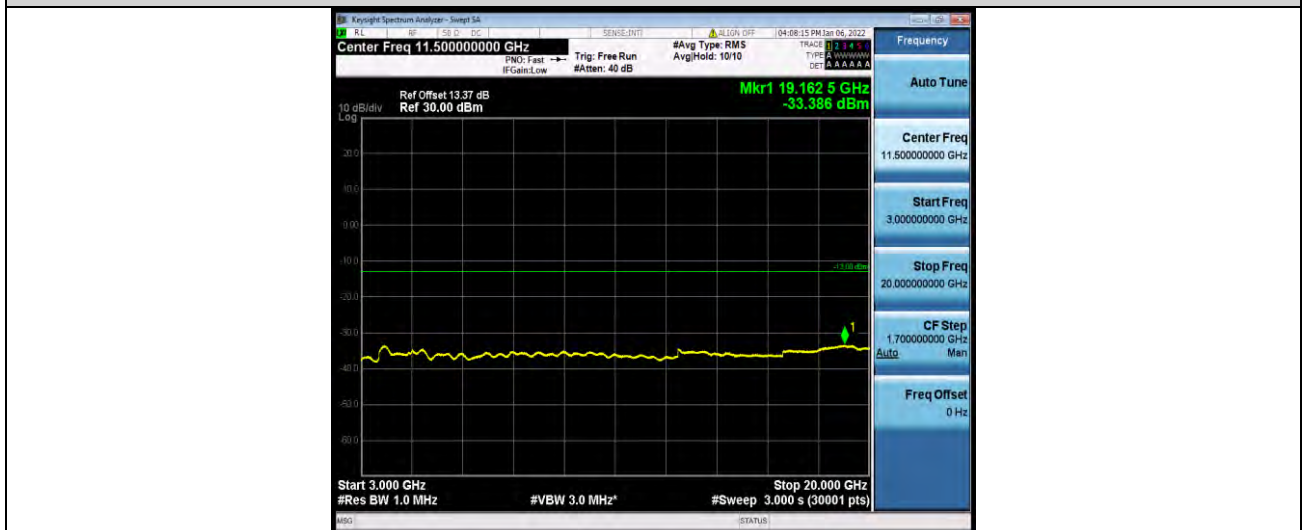
Test Report No.: W7L-P22010007RF03



Band2-9538-1000~3000MHz



Band2-9538-3000~20000MHz





FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	-5.17	-0.002791	±2.5	PASS
Band2	9262	VN	NT	-5.53	-0.002985	±2.5	PASS
Band2	9262	VH	NT	-4.53	-0.002445	±2.5	PASS
Band2	9400	VL	NT	-0.60	-0.000319	±2.5	PASS
Band2	9400	VN	NT	-0.76	-0.000404	±2.5	PASS
Band2	9400	VH	NT	-0.65	-0.000346	±2.5	PASS
Band2	9538	VL	NT	0.62	0.000325	±2.5	PASS
Band2	9538	VN	NT	0.62	0.000325	±2.5	PASS
Band2	9538	VH	NT	0.67	0.000351	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-4.12	-0.002224	±2.5	PASS
Band2	9262	NV	-20	-4.28	-0.002311	±2.5	PASS
Band2	9262	NV	0	-3.67	-0.001981	±2.5	PASS
Band2	9262	NV	10	-3.73	-0.002014	±2.5	PASS
Band2	9262	NV	20	-3.68	-0.001987	±2.5	PASS
Band2	9262	NV	30	-3.25	-0.001754	±2.5	PASS
Band2	9262	NV	40	-3.27	-0.001765	±2.5	PASS
Band2	9262	NV	50	-3.00	-0.001620	±2.5	PASS
Band2	9400	NV	-30	-0.82	-0.000436	±2.5	PASS
Band2	9400	NV	-20	-0.82	-0.000436	±2.5	PASS
Band2	9400	NV	0	-0.66	-0.000351	±2.5	PASS
Band2	9400	NV	10	-0.54	-0.000287	±2.5	PASS
Band2	9400	NV	20	-0.72	-0.000383	±2.5	PASS
Band2	9400	NV	30	-0.58	-0.000309	±2.5	PASS
Band2	9400	NV	40	-0.54	-0.000287	±2.5	PASS
Band2	9400	NV	50	-0.57	-0.000303	±2.5	PASS
Band2	9538	NV	-30	0.67	0.000351	±2.5	PASS
Band2	9538	NV	-20	0.46	0.000241	±2.5	PASS
Band2	9538	NV	0	0.41	0.000215	±2.5	PASS
Band2	9538	NV	10	0.62	0.000325	±2.5	PASS
Band2	9538	NV	20	0.47	0.000246	±2.5	PASS
Band2	9538	NV	30	0.41	0.000215	±2.5	PASS
Band2	9538	NV	40	0.41	0.000215	±2.5	PASS
Band2	9538	NV	50	0.31	0.000163	±2.5	PASS



LTE BAND2

PEAK-TO-AVERAGE RATIO (CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.76	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.31	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.82	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.35	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.36	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.98	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.70	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.17	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.76	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.13	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.42	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.83	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.77	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.41	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.79	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.40	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.61	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.12	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.59	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.19	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.74	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.26	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.48	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.01	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.68	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.37	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.75	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.38	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.77	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.21	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.57	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.14	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.65	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.14	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.65	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.01	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.60	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.37	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.76	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.25	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.88	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.29	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.39	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.12	13	PASS



BUREAU
VERITAS

Test Report No.: W7L-P22010007RF03

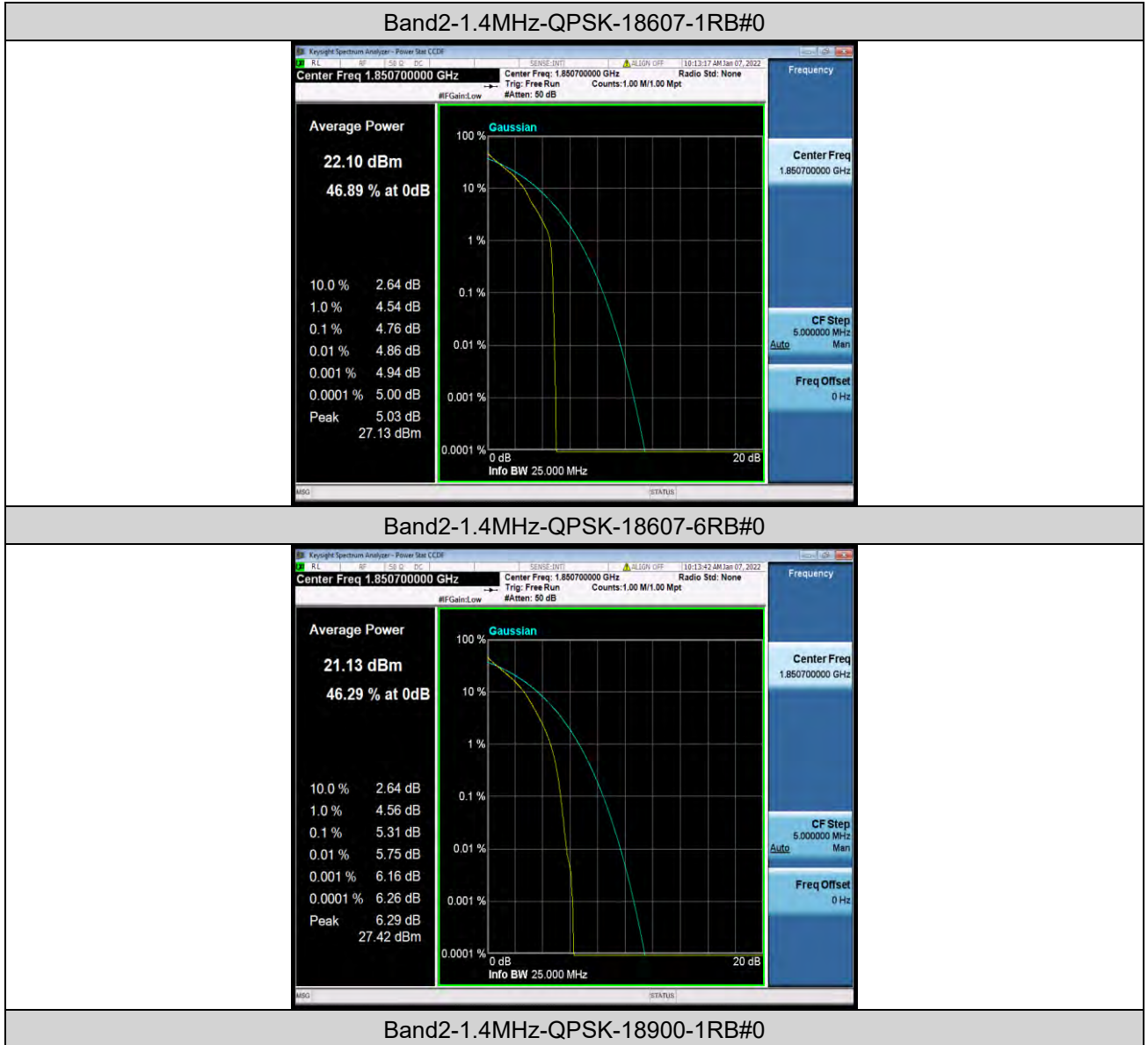
Band2	10MHz	16QAM	18900	1RB#0	5.52	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.04	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.76	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.17	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.62	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.63	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.80	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.48	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.80	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.60	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.51	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.29	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.61	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.16	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.58	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.31	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.59	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.41	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.79	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.19	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.61	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.51	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.47	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.17	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.67	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.03	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.55	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.29	13	PASS



BUREAU
VERITAS

Test Report No.: W7L-P22010007RF03

Test Graphs



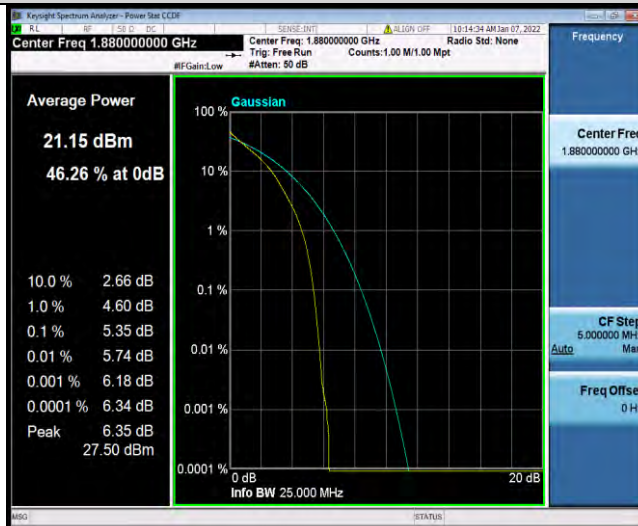


BUREAU VERITAS

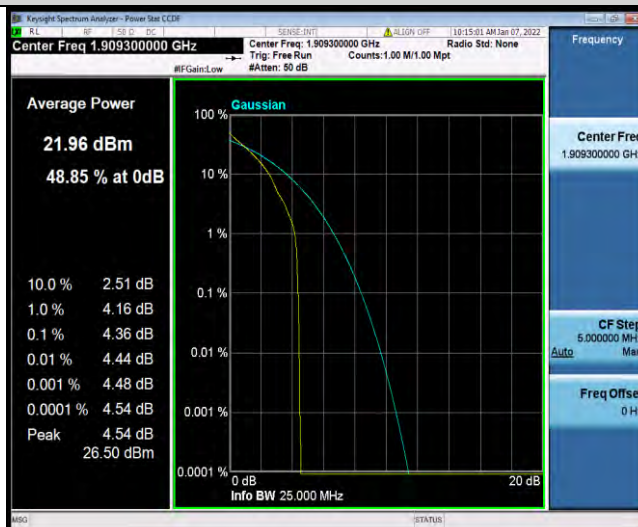
Test Report No.: W7L-P22010007RF03



Band2-1.4MHz-QPSK-18900-6RB#0



Band2-1.4MHz-QPSK-19193-1RB#0



Band2-1.4MHz-QPSK-19193-6RB#0

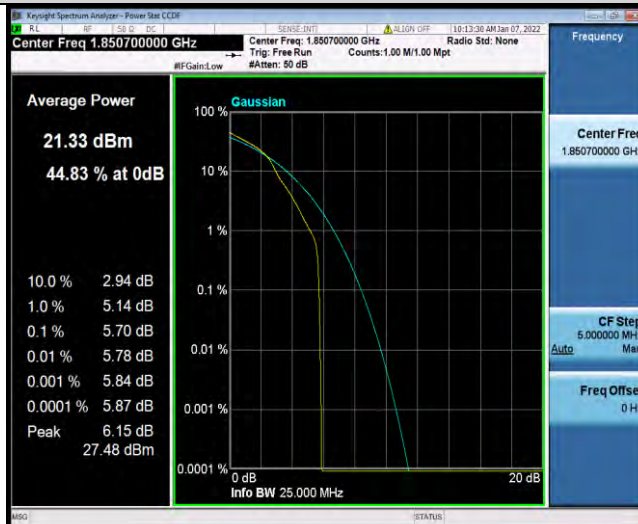


BUREAU VERITAS

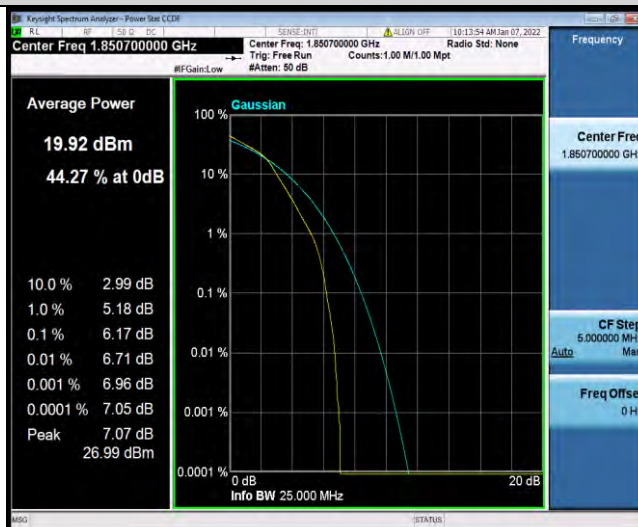
Test Report No.: W7L-P22010007RF03



Band2-1.4MHz-16QAM-18607-1RB#0



Band2-1.4MHz-16QAM-18607-6RB#0

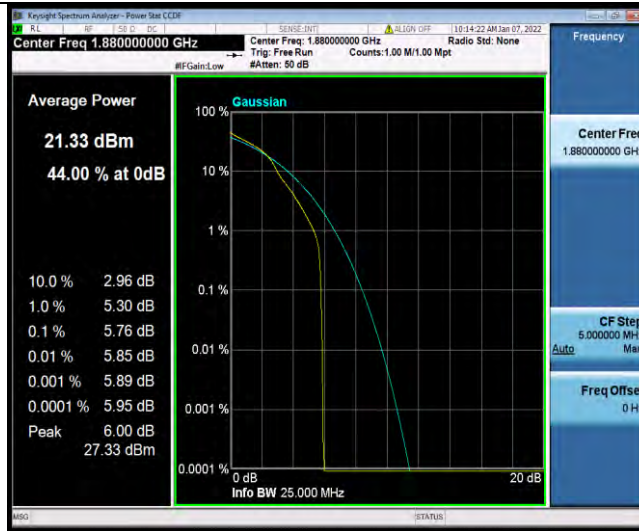


Band2-1.4MHz-16QAM-18900-1RB#0



BUREAU VERITAS

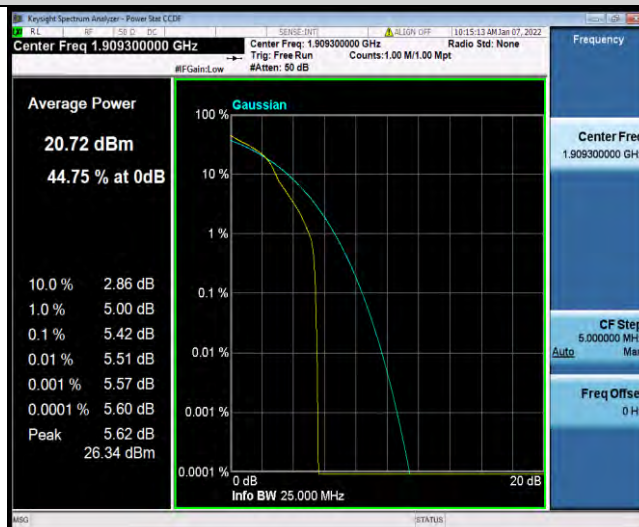
Test Report No.: W7L-P22010007RF03



Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#0

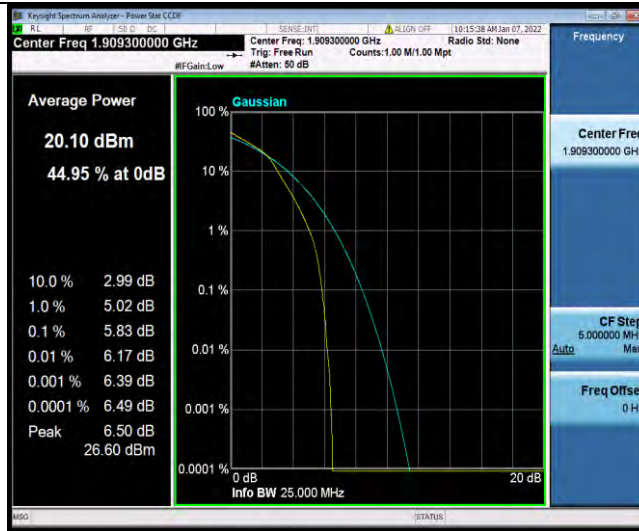


Band2-1.4MHz-16QAM-19193-6RB#0



BUREAU VERITAS

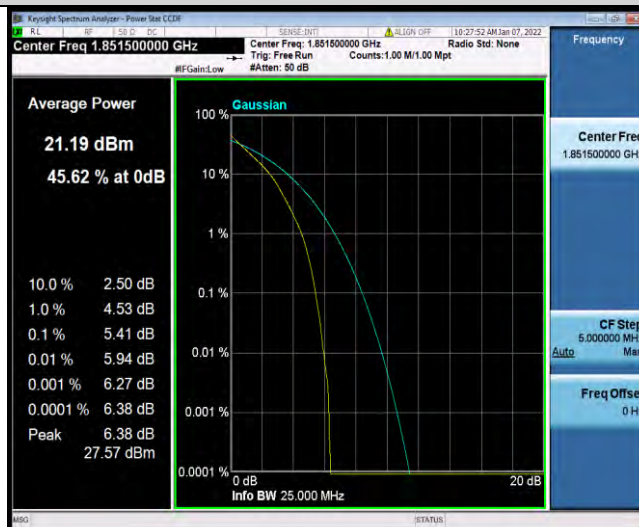
Test Report No.: W7L-P22010007RF03



Band2-3MHz-QPSK-18615-1RB#0



Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-18900-1RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF03



Band2-3MHz-QPSK-18900-15RB#0



Band2-3MHz-QPSK-19185-1RB#0



Band2-3MHz-QPSK-19185-15RB#0

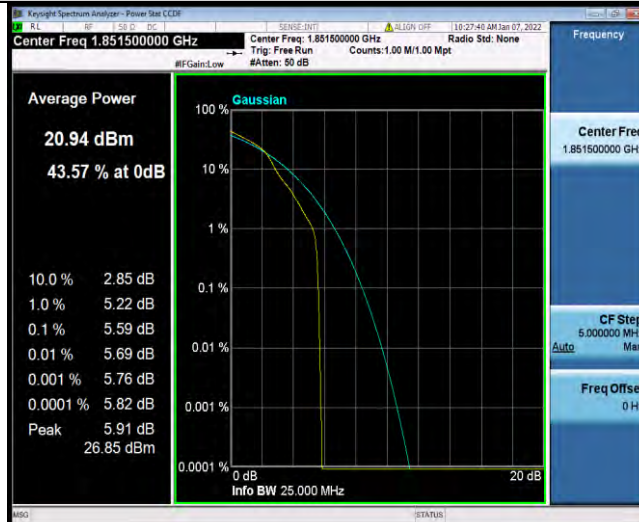


BUREAU VERITAS

Test Report No.: W7L-P22010007RF03



Band2-3MHz-16QAM-18615-1RB#0



Band2-3MHz-16QAM-18615-15RB#0

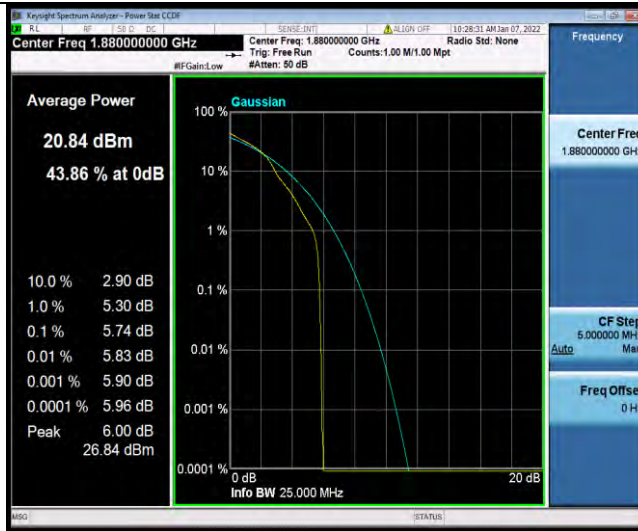


Band2-3MHz-16QAM-18900-1RB#0

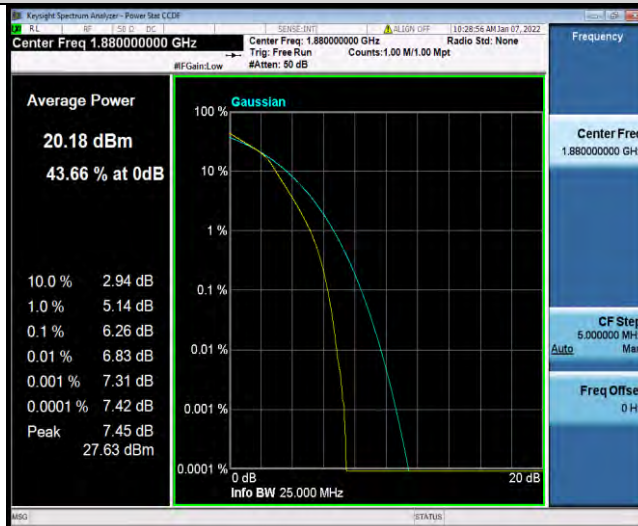


BUREAU VERITAS

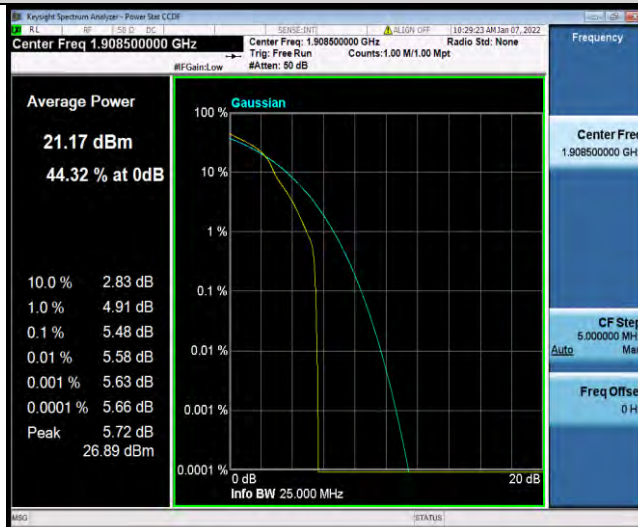
Test Report No.: W7L-P22010007RF03



Band2-3MHz-16QAM-18900-15RB#0



Band2-3MHz-16QAM-19185-1RB#0

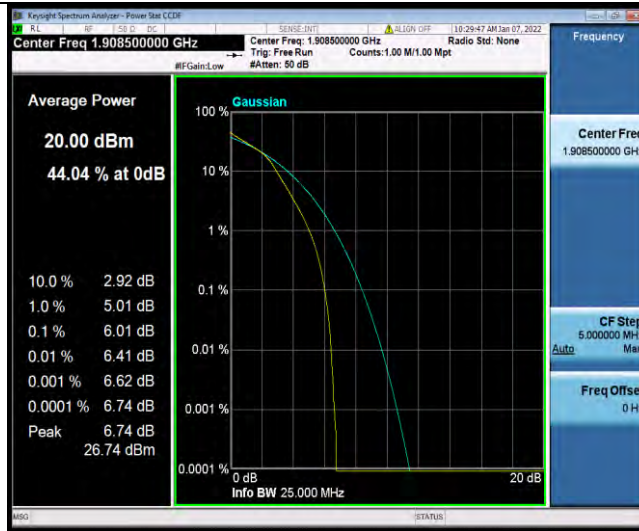


Band2-3MHz-16QAM-19185-15RB#0

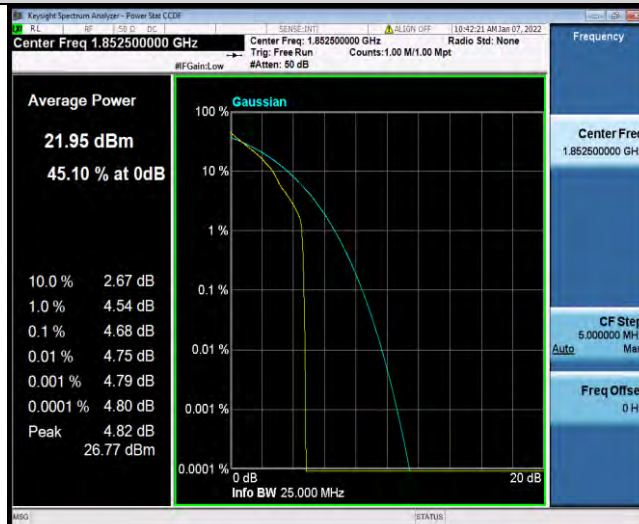


BUREAU VERITAS

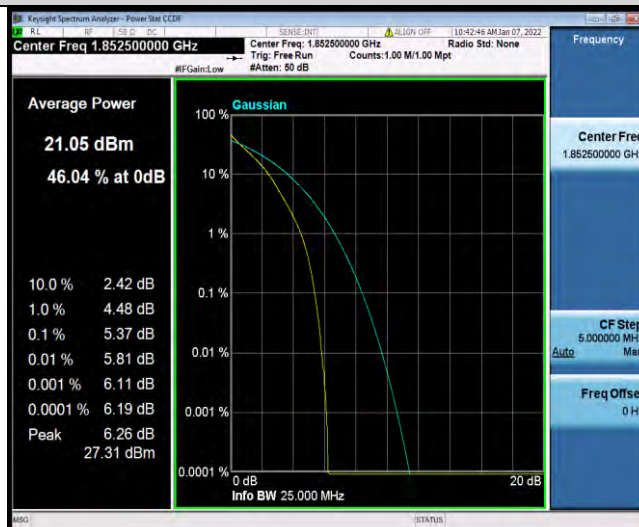
Test Report No.: W7L-P22010007RF03



Band2-5MHz-QPSK-18625-1RB#0



Band2-5MHz-QPSK-18625-25RB#0

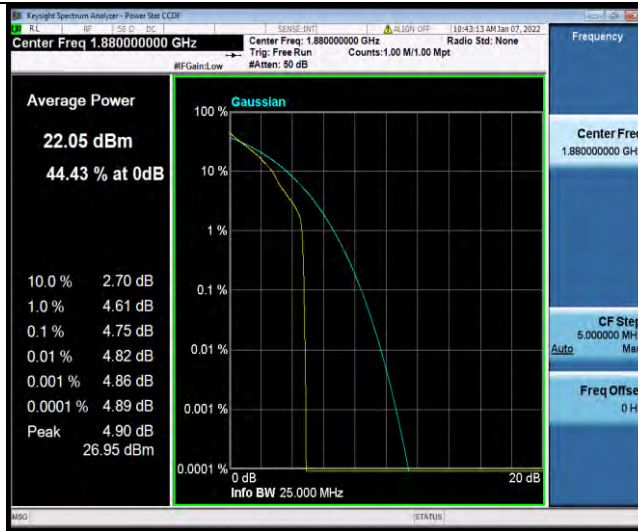


Band2-5MHz-QPSK-18900-1RB#0

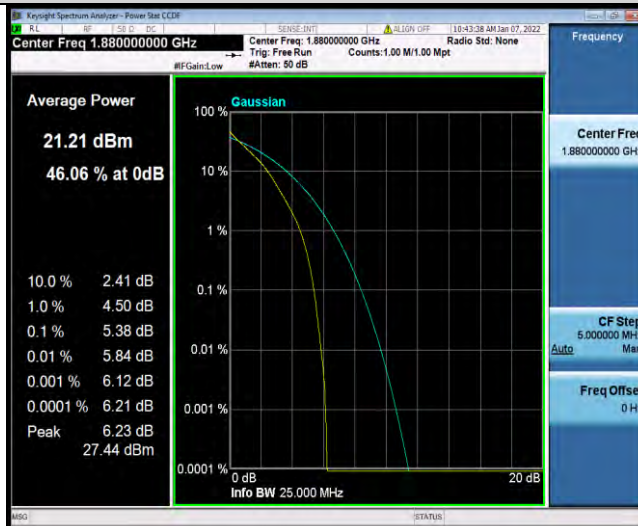


BUREAU VERITAS

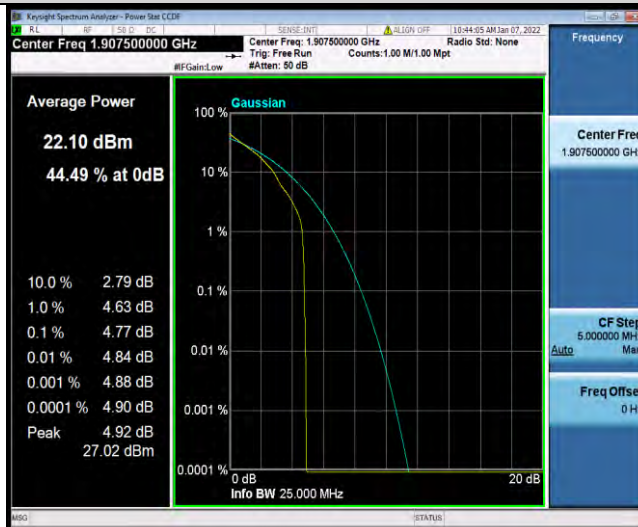
Test Report No.: W7L-P22010007RF03



Band2-5MHz-QPSK-18900-25RB#0



Band2-5MHz-QPSK-19175-1RB#0



Band2-5MHz-QPSK-19175-25RB#0

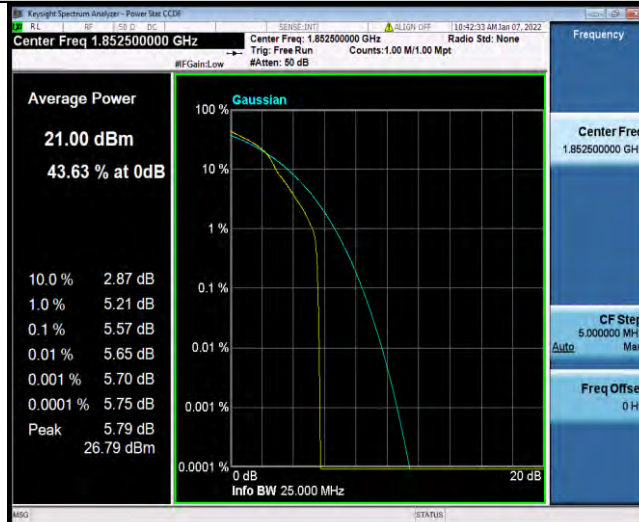


BUREAU VERITAS

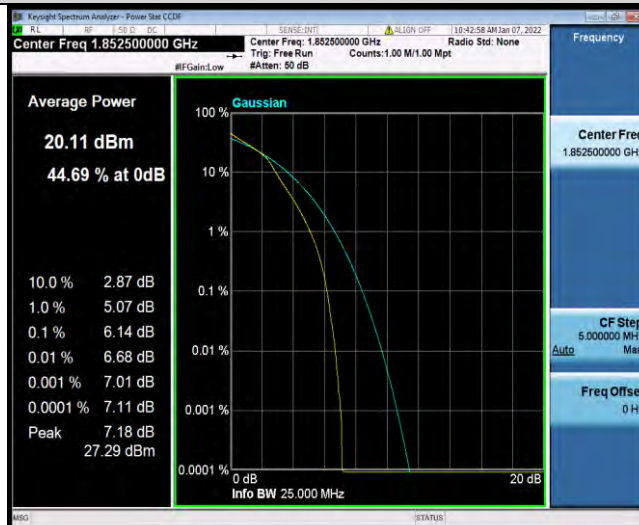
Test Report No.: W7L-P22010007RF03



Band2-5MHz-16QAM-18625-1RB#0



Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-18900-1RB#0

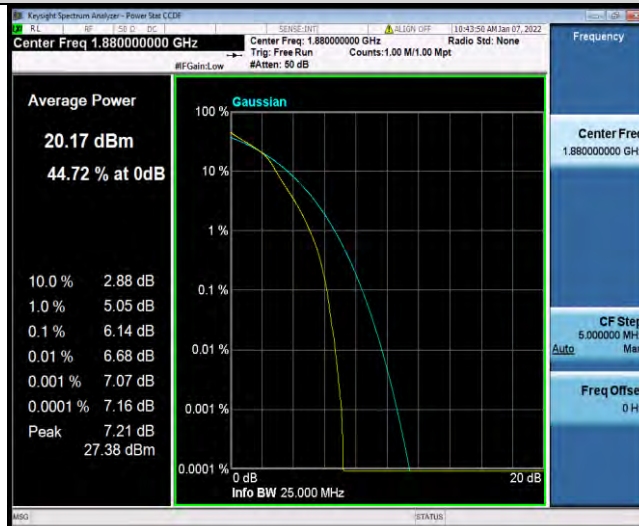


BUREAU VERITAS

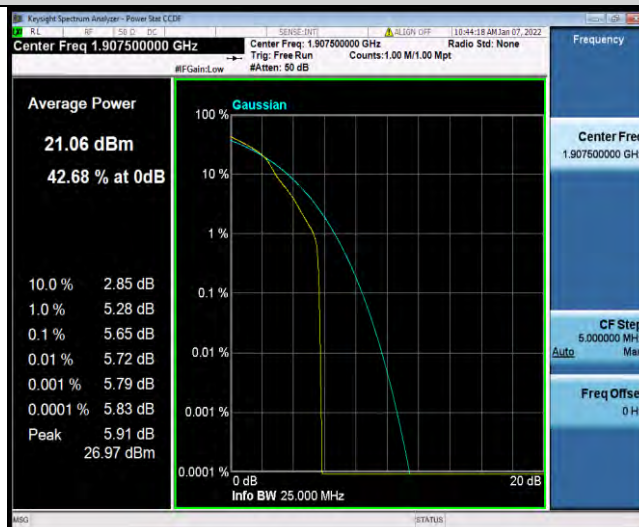
Test Report No.: W7L-P22010007RF03



Band2-5MHz-16QAM-18900-25RB#0



Band2-5MHz-16QAM-19175-1RB#0

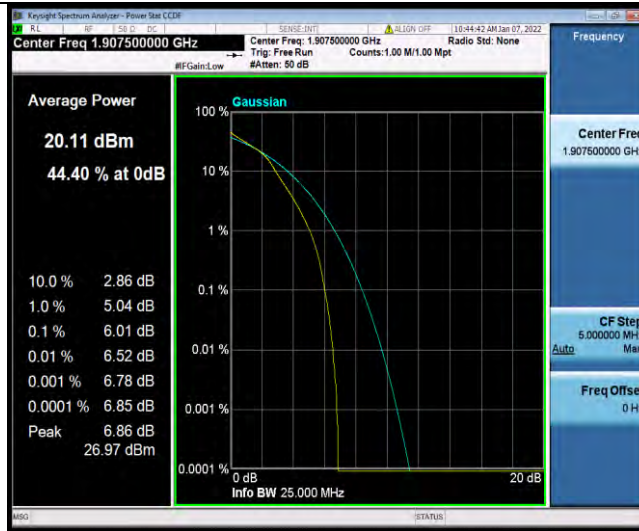


Band2-5MHz-16QAM-19175-25RB#0



BUREAU VERITAS

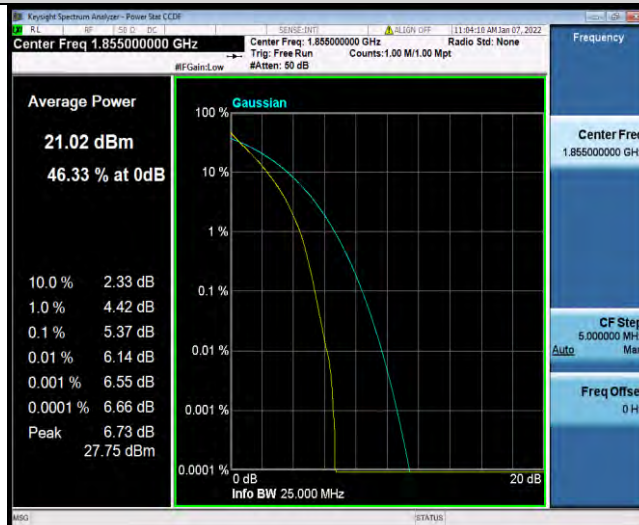
Test Report No.: W7L-P22010007RF03



Band2-10MHz-QPSK-18650-1RB#0



Band2-10MHz-QPSK-18650-50RB#0

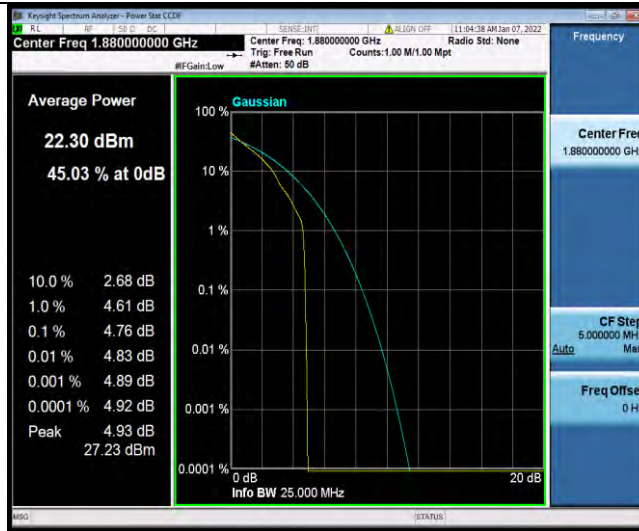


Band2-10MHz-QPSK-18900-1RB#0

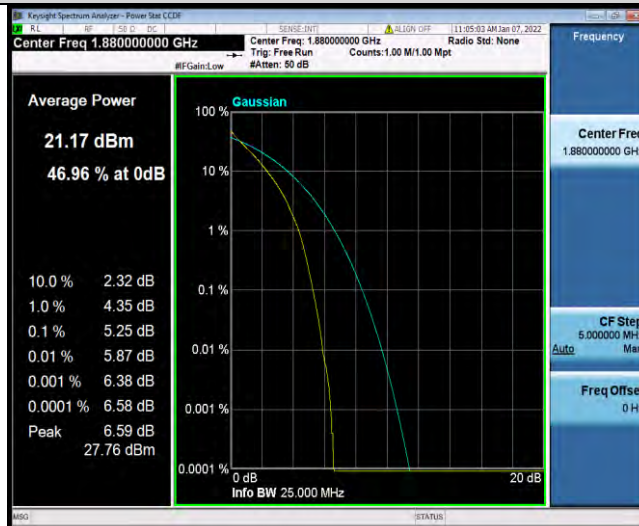


BUREAU VERITAS

Test Report No.: W7L-P22010007RF03



Band2-10MHz-QPSK-18900-50RB#0



Band2-10MHz-QPSK-19150-1RB#0

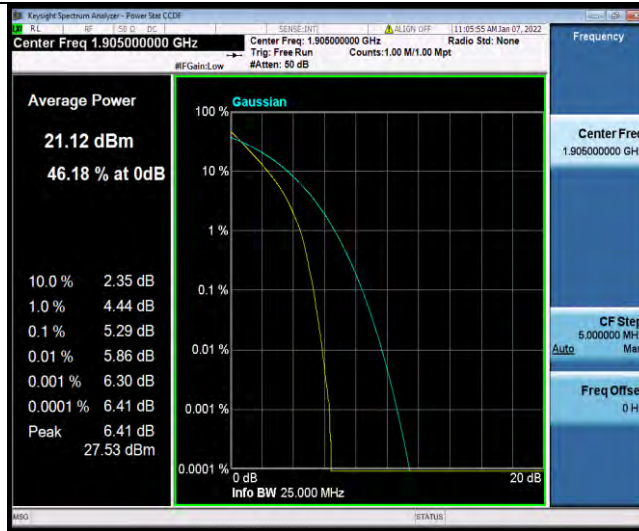


Band2-10MHz-QPSK-19150-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF03



Band2-10MHz-16QAM-18650-1RB#0



Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-18900-1RB#0

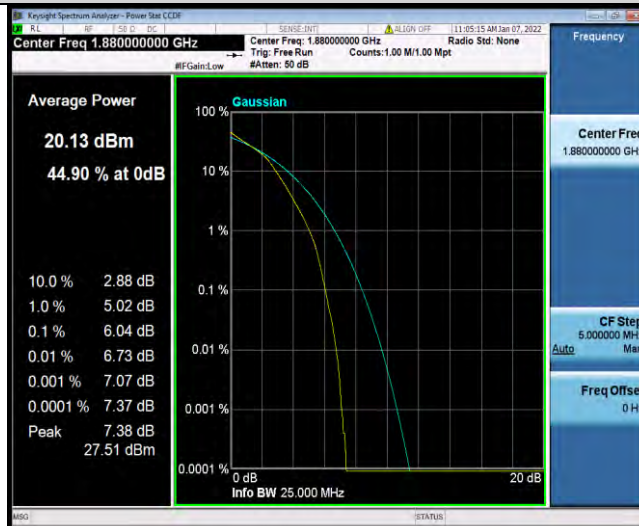


BUREAU VERITAS

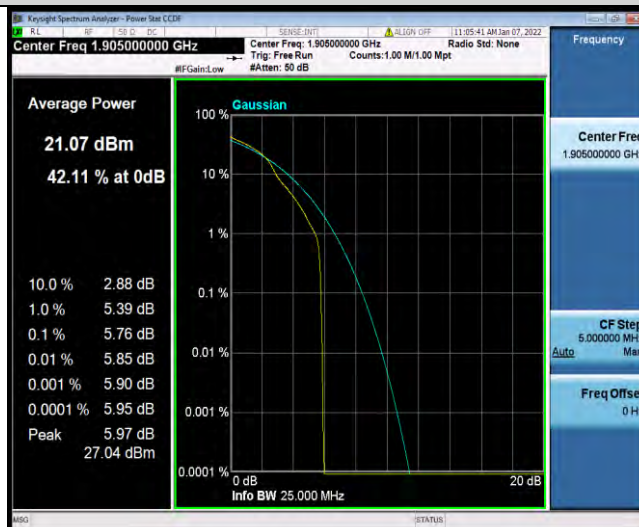
Test Report No.: W7L-P22010007RF03



Band2-10MHz-16QAM-18900-50RB#0



Band2-10MHz-16QAM-19150-1RB#0

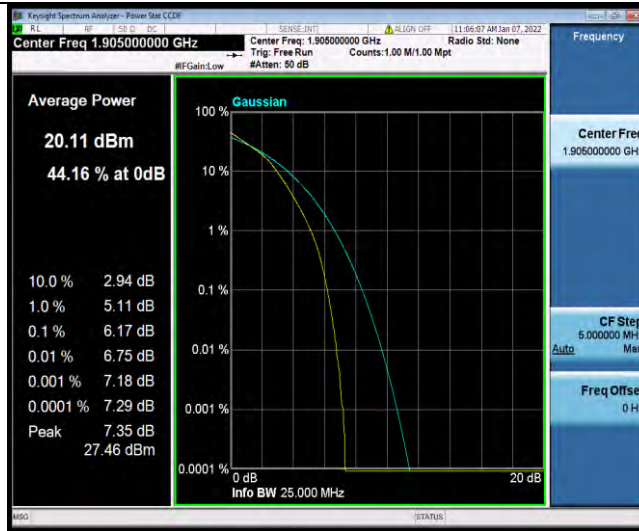


Band2-10MHz-16QAM-19150-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF03



Band2-15MHz-QPSK-18675-1RB#0



Band2-15MHz-QPSK-18675-75RB#0



Band2-15MHz-QPSK-18900-1RB#0

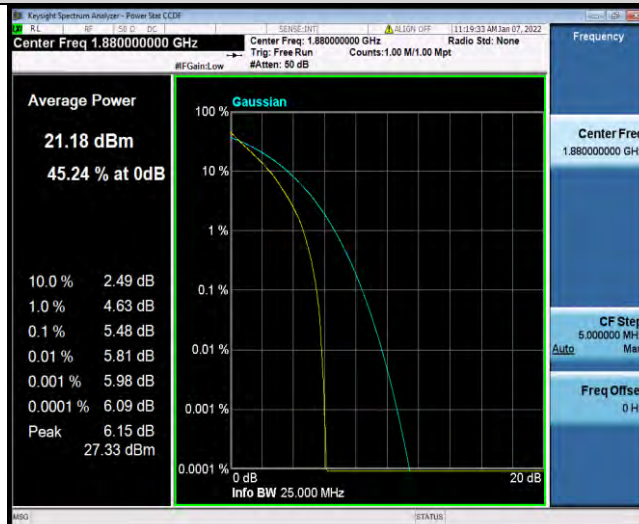


BUREAU VERITAS

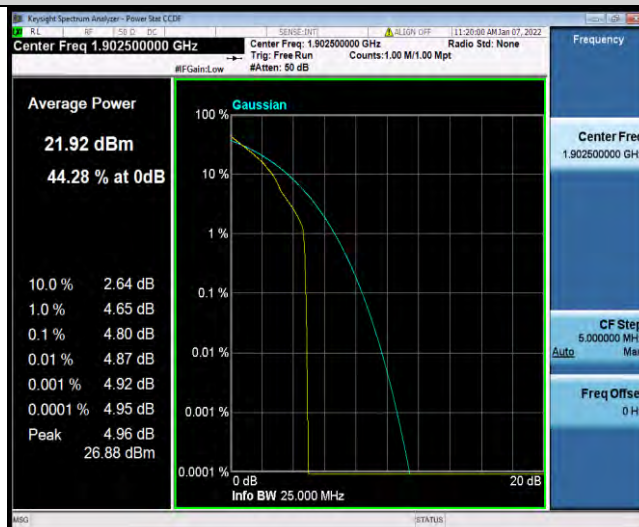
Test Report No.: W7L-P22010007RF03



Band2-15MHz-QPSK-18900-75RB#0



Band2-15MHz-QPSK-19125-1RB#0

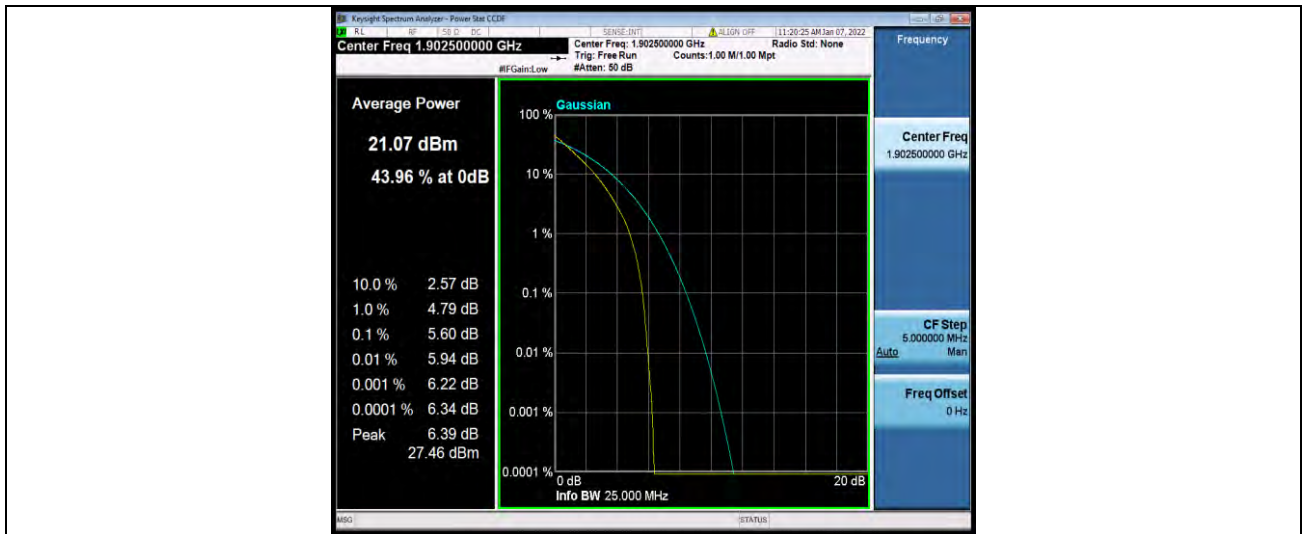


Band2-15MHz-QPSK-19125-75RB#0

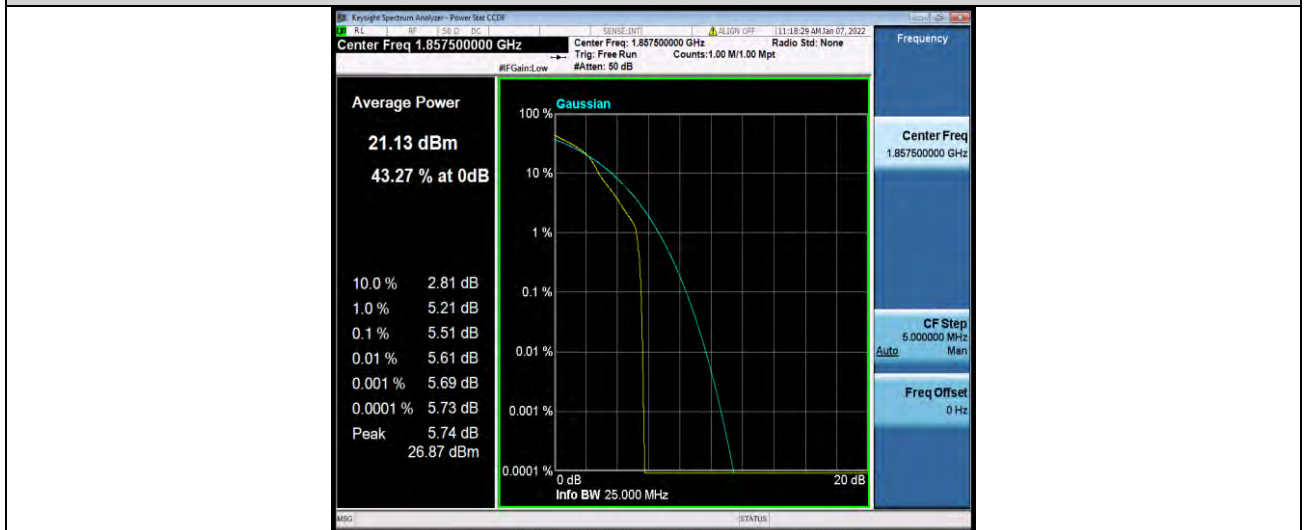


BUREAU VERITAS

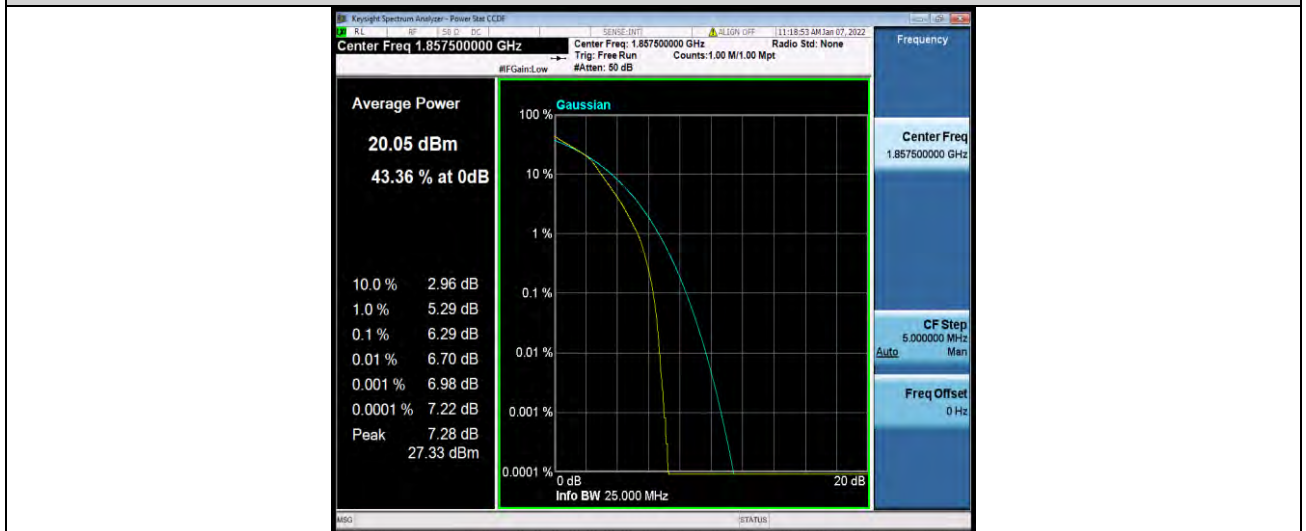
Test Report No.: W7L-P22010007RF03



Band2-15MHz-16QAM-18675-1RB#0



Band2-15MHz-16QAM-18675-75RB#0

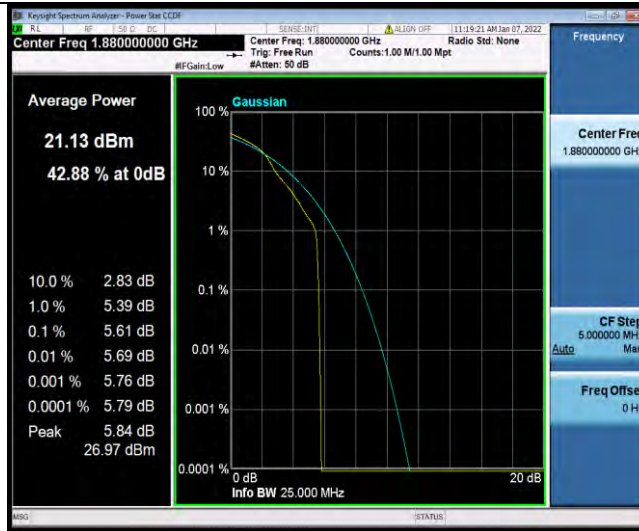


Band2-15MHz-16QAM-18900-1RB#0

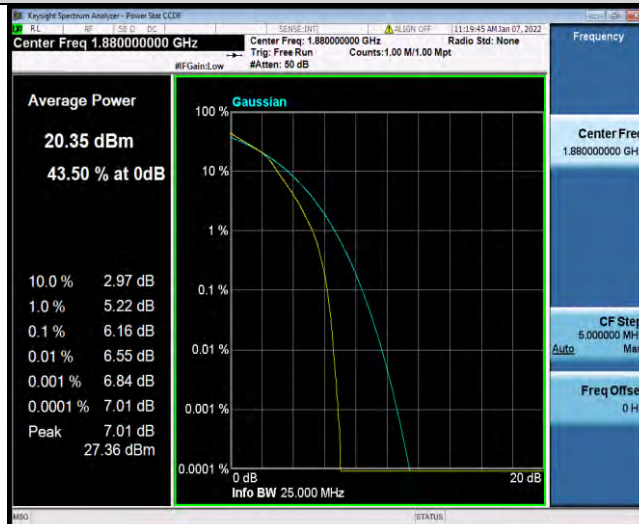


BUREAU VERITAS

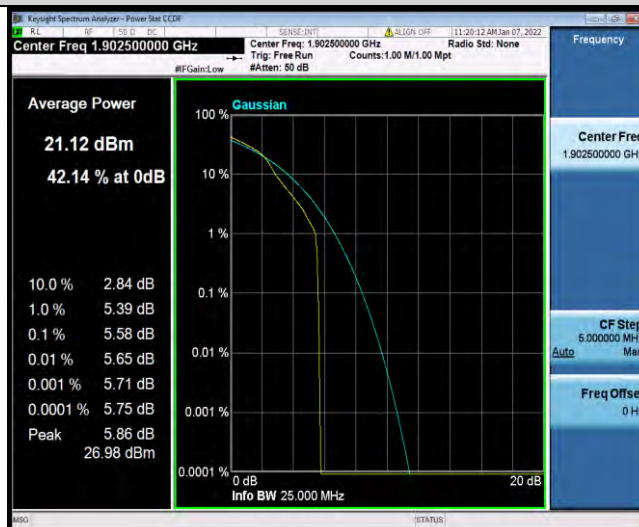
Test Report No.: W7L-P22010007RF03



Band2-15MHz-16QAM-18900-75RB#0



Band2-15MHz-16QAM-19125-1RB#0

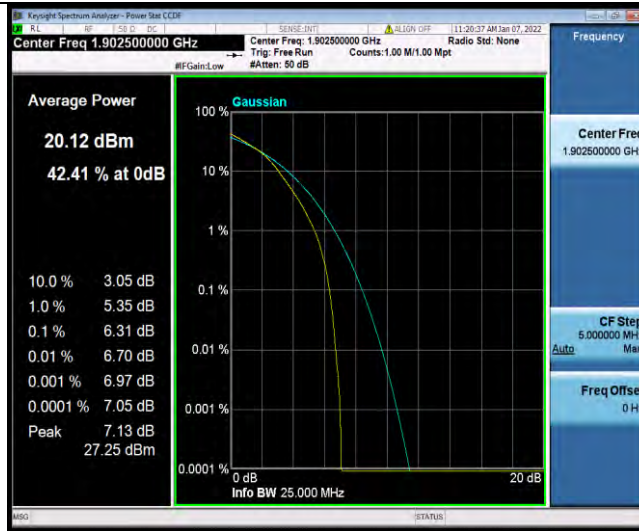


Band2-15MHz-16QAM-19125-75RB#0

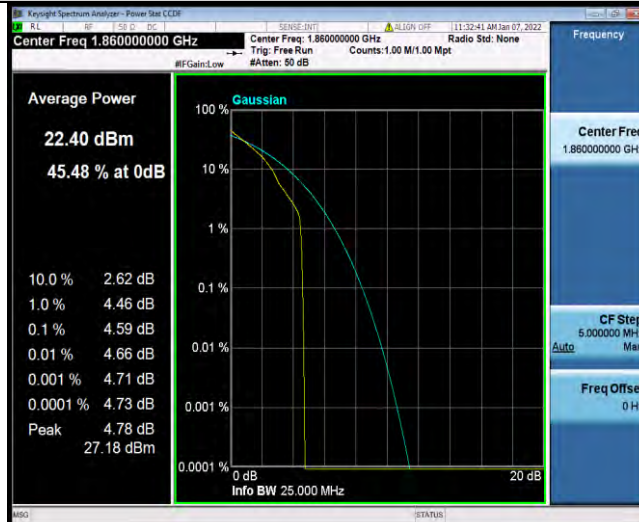


BUREAU VERITAS

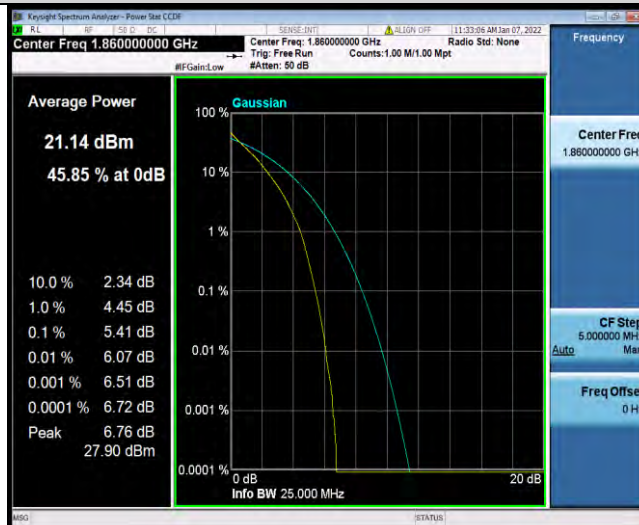
Test Report No.: W7L-P22010007RF03



Band2-20MHz-QPSK-18700-1RB#0



Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-1RB#0