

FCC TEST REPORT

(PART 24)

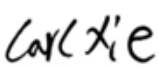
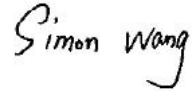
Applicant:	SHARP CORPORATION
Address:	2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN

Manufacturer or Supplier:	SHARP CORPORATION
Address:	2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN
Product:	Smart Phone
Brand Name:	SHARP
FCC ID:	APYHRO00344
Date of tests:	Jul.1, 2026 ~ Aug.7, 2026

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

- ☒ **FCC PART 24, Subpart E** ☒ **FCC PART 2**
☒ **ANSI C63.26-2015**

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

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
	
Date: Aug.7, 2026	Date: Aug.7, 2026

Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260703B002	Original release	Aug.7, 2026



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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	Conducted 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

*Test Lab Information Reference

Lab A:

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

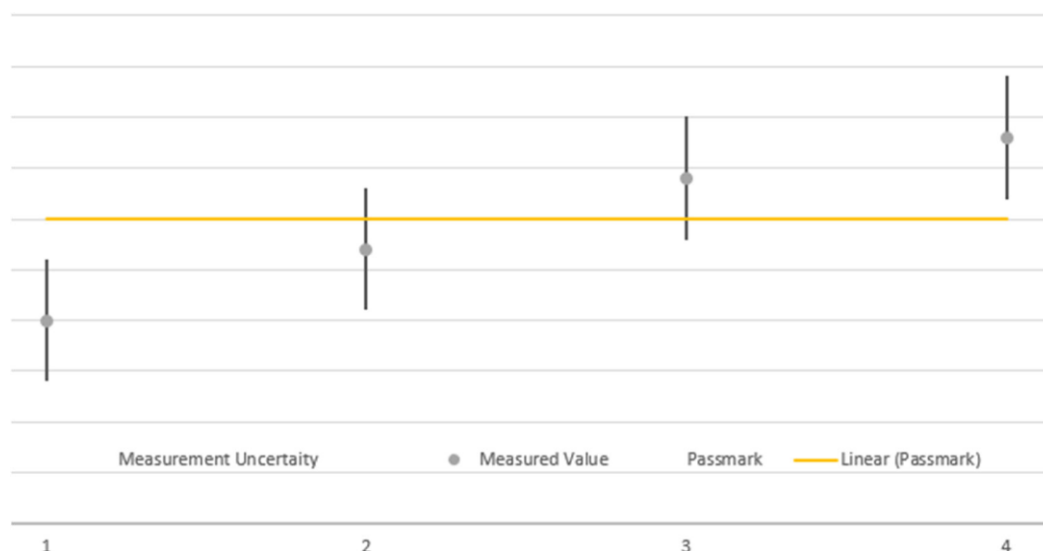
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$
Peak to average ratio	$\pm 0.76\text{dB}$

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



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



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1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2026/7/3	2027/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2026/7/17	2027/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2026/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2026/7/19	2027/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2026/7/3	2027/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2026/7/1	2027/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2026/6/30	2027/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2026/6/30	2027/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2026/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2026/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2026/6/30	2027/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2026/6/30	2027/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2026/7/2	2027/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2026/6/30	2027/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2026/6/30	2027/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2026/6/30	2027/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2026/7/3	2027/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2026/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2026/6/30	2027/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2026/6/30	2027/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2026/6/16	2027/6/15
DC Power Supply	AGILENT	HMP2020	100598	2026/7/1	2027/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2026/6/30	2027/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2026/6/30	2027/6/29
hygrothermograph	Anymetrers	----	TH101B	2026/7/22	2027/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2026/7/1	2027/6/30
power divider	WOKEN	71688	204-003180-01	2026/6/30	2027/6/29



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NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GREGT/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 646781; The Designation No. is CN1429.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Smart Phone	
BRAND NAME	SHARP	
NOMINAL VOLTAGE	4.0Vdc(adapter or host equipment) 3.92Vdc (Li-ion, battery)	
MODULATION TYPE	GSM	GMSK
	WCDMA	HSDPA 、HSUPA 、HSPA+
	LTE	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	GSM	1850.2MHz ~ 1909.8MHz
	WCDMA II	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	GSM	726mW
	WCDMA	175.8mW
	LTE Band 2 Channel Bandwidth: 1.4MHz	62mW
	LTE Band 2 Channel Bandwidth: 3MHz	68mW
	LTE Band 2 Channel Bandwidth: 5MHz	69mW
	LTE Band 2 Channel Bandwidth: 10MHz	66.8mW
	LTE Band 2 Channel Bandwidth: 15MHz	64.9mW
	LTE Band 2 Channel Bandwidth: 20MHz	64.3mW
EMISSION DESIGNATOR	GSM	245KGXW
	WCDMA II	4M17F9W



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	LTE Band 2 Channel Bandwidth: 1.4MHz	QPSK: 1M10G7D
		16QAM: 1M09W7D
		64QAM: 1M09W7D
	LTE Band 2 Channel Bandwidth: 3MHz	QPSK: 2M69G7D
		16QAM: 2M70W7D
		64QAM: 2M70W7D
EMISSION DESIGNATOR	LTE Band 2 Channel Bandwidth: 5MHz	QPSK: 4M48G7D
		16QAM: 4M49W7D
		64QAM: 4M49W7D
	LTE Band 2 Channel Bandwidth: 10MHz	QPSK: 9M00G7D
		16QAM: 8M98W7D
		64QAM: 8M98W7D
	LTE Band 2 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
	LTE Band 2 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 18M0W7D
		64QAM: 18M0W7D
ANTENNA TYPE	PIFA Antenna	
ANTENNA GAIN	☒ Provided by client	
	-1.8dBi gain for GSM1900/ WCDMA II/LTE B2	
HW VERSION	DVT	
SW VERSION	A5290	
I/O PORTS	Refer to user's manual	
EXTREME TEMPERATURE	5~35°C	
EXTREME VOLTAGE	3.7V~4V	

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NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
GSM/GPRS	1TX/1RX
WCDMA	1TX/2RX
LTE	1TX/2RX

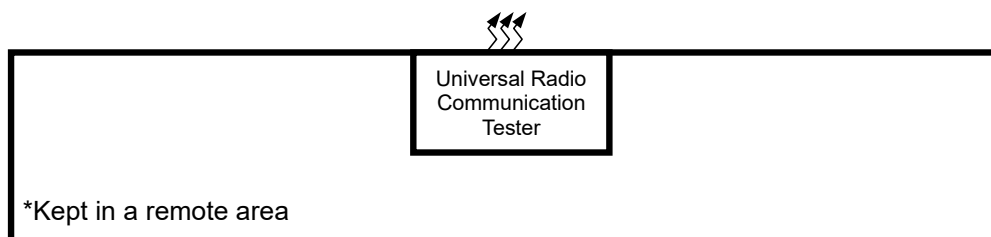
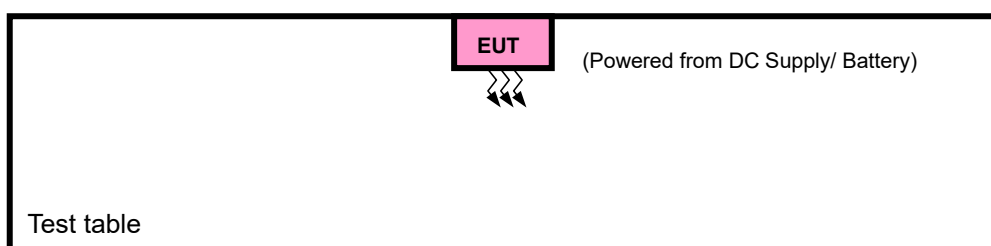
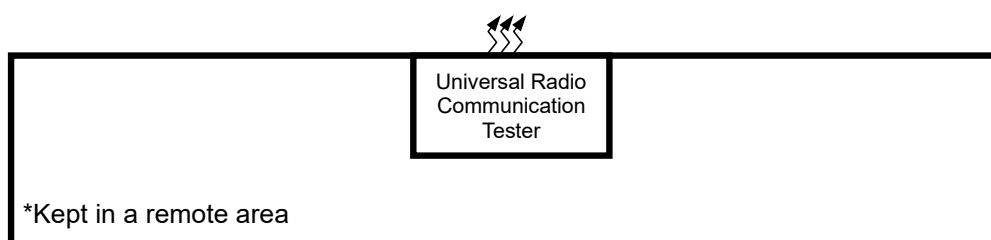
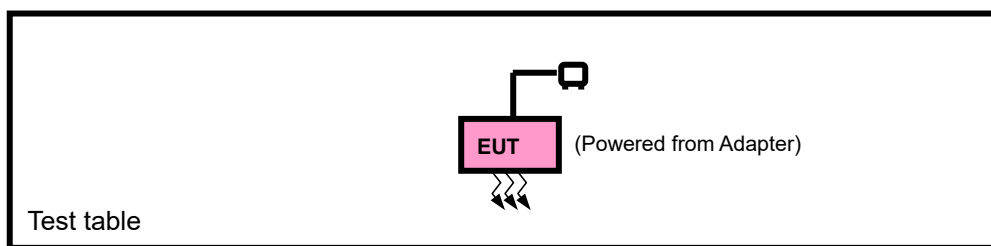
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.
5. List of Accessory:

Battery Information	Battery Type	Li-Lon
	Manufacturer	EVE ENERGY CO., LTD
	Model Number	UBATIA332AFN2
	Capacity	Typical capacity:5000 mAh Rated capacity:4900 mAh
	Nominal Voltage	3.92V

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2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





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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	HYELEC	HY3010B	551016	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 GSM/ LTE. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter with GSM or WCDMA or LTE link
B	EUT + DC Supply with GSM or WCDMA or LTE link

GSM MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A	EIRP	512 to 810	512, 661, 810	GSM
B	FREQUENCY STABILITY	512 to 810	512, 661, 810	GSM
A	OCCUPIED BANDWIDTH	512 to 810	512, 661, 810	GSM
A	PEAK TO AVERAGE RATIO	512 to 810	512, 661, 810	GSM
A	BAND EDGE	512 to 810	512, 810	GSM
A	CONDUCTED EMISSION	512 to 810	512, 661, 810	GSM
A	RADIATED EMISSION	512 to 810	512, 661, 810	GSM



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WCDMA II

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, 9400, 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	CONDUCTED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA
A	RADIATED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA

LTE BAND 2 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION
A	EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM,64QAM
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM,64QAM
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM,64QAM
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM,64QAM
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM,64QAM
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM,64QAM
B	FREQUENCY STABILITY	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM,64QAM
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM,64QAM
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM,64QAM
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM,64QAM
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM,64QAM
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM,64QAM
A	OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM,64QAM
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM,64QAM
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM,64QAM
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM,64QAM
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM,64QAM
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM,64QAM
A	PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM,64QAM
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM,64QAM
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM,64QAM
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM,64QAM
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM,64QAM
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM,64QAM
A	BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK,16QAM,64QAM
		18615 to 19185	18615, 19185	3MHz	QPSK,16QAM,64QAM
		18625 to 19175	18625, 19175	5MHz	QPSK,16QAM,64QAM

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		18650 to 19150	18650, 19150	10MHz	QPSK, 16QAM, 64QAM
		18675 to 19125	18675, 19125	15MHz	QPSK, 16QAM, 64QAM
		18700 to 19100	18700, 19100	20MHz	QPSK, 16QAM, 64QAM
A	CONDUCTED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM, 64QAM
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM, 64QAM
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM, 64QAM
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM, 64QAM
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM, 64QAM
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM, 64QAM
A	RADIATED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.



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TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP	25deg. C, 57%RH	DC 4V By DC Supply	Carl Xie
FREQUENCY STABILITY	23deg. C, 61%RH	DC 3.7V/4V/4V By DC Supply	Alan Yu
OCCUPIED BANDWIDTH	23deg. C, 61%RH	DC4V By DC Supply	Alan Yu
PEAK TO AVERAGE RATIO	23deg. C, 61%RH	DC 4V By DC Supply	Alan Yu
BAND EDGE	23deg. C, 61%RH	DC4V By DC Supply	Alan Yu
CONDUCTED EMISSION	23deg. C, 61%RH	DC4V By DC Supply	Carl Xie
RADIATED EMISSION	23deg. C, 70%RH	DC4V By DC Supply	Alan Yu

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 C63.26-2015

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



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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:

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

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas} , typically dBW or dBm);

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

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

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

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.

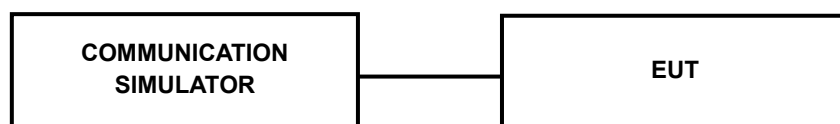


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3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

GSM1900

Band: PCS1900								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	GSM	GSM	1850.2	30.40	-1.80	28.60	<=33.01	Pass
			1880	30.17	-1.80	28.37	<=33.01	Pass
			1909.8	30.03	-1.80	28.23	<=33.01	Pass
	GPRS	1 TX Slot	1850.2	30.41	-1.80	28.61	<=33.01	Pass
		2 TX Slots	1850.2	27.93	-1.80	26.13	<=33.01	Pass
		3 TX Slots	1850.2	25.80	-1.80	24.00	<=33.01	Pass
		4 TX Slots	1850.2	24.69	-1.80	22.89	<=33.01	Pass
		1 TX Slot	1880	30.23	-1.80	28.43	<=33.01	Pass
		2 TX Slots	1880	27.83	-1.80	26.03	<=33.01	Pass
		3 TX Slots	1880	25.61	-1.80	23.81	<=33.01	Pass
		4 TX Slots	1880	24.51	-1.80	22.71	<=33.01	Pass
		1 TX Slot	1909.8	30.04	-1.80	28.24	<=33.01	Pass
		2 TX Slots	1909.8	27.59	-1.80	25.79	<=33.01	Pass
		3 TX Slots	1909.8	25.53	-1.80	23.73	<=33.01	Pass
		4 TX Slots	1909.8	24.55	-1.80	22.75	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

WCDMA II

Band: 2								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	24.25	-1.80	22.45	<=33.01	Pass
			1880	23.96	-1.80	22.16	<=33.01	Pass
			1907.6	23.90	-1.80	22.10	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	22.42	-1.80	20.62	<=33.01	Pass
		Subtest 2	1852.4	22.44	-1.80	20.64	<=33.01	Pass
		Subtest 3	1852.4	22.39	-1.80	20.59	<=33.01	Pass
		Subtest 4	1852.4	22.34	-1.80	20.54	<=33.01	Pass
		Subtest 1	1880	22.17	-1.80	20.37	<=33.01	Pass
		Subtest 2	1880	22.13	-1.80	20.33	<=33.01	Pass
		Subtest 3	1880	22.12	-1.80	20.32	<=33.01	Pass
		Subtest 4	1880	22.15	-1.80	20.35	<=33.01	Pass
		Subtest 1	1907.6	22.10	-1.80	20.30	<=33.01	Pass

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

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		Subtest 2	1907.6	22.09	-1.80	20.29	<=33.01	Pass
		Subtest 3	1907.6	22.03	-1.80	20.23	<=33.01	Pass
		Subtest 4	1907.6	22.04	-1.80	20.24	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	20.27	-1.80	18.47	<=33.01	Pass
		Subtest 2	1852.4	20.91	-1.80	19.11	<=33.01	Pass
		Subtest 3	1852.4	20.69	-1.80	18.89	<=33.01	Pass
		Subtest 4	1852.4	19.21	-1.80	17.41	<=33.01	Pass
		Subtest 5	1852.4	19.53	-1.80	17.73	<=33.01	Pass
		Subtest 1	1880	18.98	-1.80	17.18	<=33.01	Pass
		Subtest 2	1880	20.49	-1.80	18.69	<=33.01	Pass
		Subtest 3	1880	19.70	-1.80	17.90	<=33.01	Pass
		Subtest 4	1880	19.31	-1.80	17.51	<=33.01	Pass
		Subtest 5	1880	18.45	-1.80	16.65	<=33.01	Pass
		Subtest 1	1907.6	19.09	-1.80	17.29	<=33.01	Pass
		Subtest 2	1907.6	20.01	-1.80	18.21	<=33.01	Pass
		Subtest 3	1907.6	20.25	-1.80	18.45	<=33.01	Pass
		Subtest 4	1907.6	18.41	-1.80	16.61	<=33.01	Pass
		Subtest 5	1907.6	18.70	-1.80	16.90	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

LTE Band2

B2_1.4MHz_EIRP

Band: 2 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1850.7	1	0	17.16	-1.80	15.36	<=33.01	Pass
			2	17.45	-1.80	15.65	<=33.01	Pass
			5	17.43	-1.80	15.63	<=33.01	Pass
		3	0	17.45	-1.80	15.65	<=33.01	Pass
			2	17.48	-1.80	15.68	<=33.01	Pass
			3	17.49	-1.80	15.69	<=33.01	Pass
		6	0	16.38	-1.80	14.58	<=33.01	Pass
	1880	1	0	19.63	-1.80	17.83	<=33.01	Pass
			2	19.73	-1.80	17.93	<=33.01	Pass
			5	19.59	-1.80	17.79	<=33.01	Pass
		3	0	19.68	-1.80	17.88	<=33.01	Pass
			2	19.66	-1.80	17.86	<=33.01	Pass
			3	19.66	-1.80	17.86	<=33.01	Pass
		6	0	18.61	-1.80	16.81	<=33.01	Pass
	1909.3	1	0	19.56	-1.80	17.76	<=33.01	Pass
			2	19.57	-1.80	17.77	<=33.01	Pass
			5	19.58	-1.80	17.78	<=33.01	Pass
		3	0	19.59	-1.80	17.79	<=33.01	Pass
			2	19.59	-1.80	17.79	<=33.01	Pass
			3	19.62	-1.80	17.82	<=33.01	Pass
		6	0	18.50	-1.80	16.70	<=33.01	Pass
16QAM	1850.7	1	0	16.54	-1.80	14.74	<=33.01	Pass
			2	16.86	-1.80	15.06	<=33.01	Pass
			5	16.72	-1.80	14.92	<=33.01	Pass
		3	0	16.50	-1.80	14.70	<=33.01	Pass
			2	16.77	-1.80	14.97	<=33.01	Pass
			3	16.63	-1.80	14.83	<=33.01	Pass



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64QAM	1880	6	0	15.58	-1.80	13.78	<=33.01	Pass
		1	0	18.98	-1.80	17.18	<=33.01	Pass
			2	19.11	-1.80	17.31	<=33.01	Pass
			5	19.07	-1.80	17.27	<=33.01	Pass
		3	0	18.85	-1.80	17.05	<=33.01	Pass
			2	18.75	-1.80	16.95	<=33.01	Pass
			3	18.91	-1.80	17.11	<=33.01	Pass
		6	0	17.75	-1.80	15.95	<=33.01	Pass
	1909.3	1	0	19.02	-1.80	17.22	<=33.01	Pass
			2	19.00	-1.80	17.20	<=33.01	Pass
			5	18.99	-1.80	17.19	<=33.01	Pass
		3	0	18.83	-1.80	17.03	<=33.01	Pass
			2	18.75	-1.80	16.95	<=33.01	Pass
			3	18.62	-1.80	16.82	<=33.01	Pass
		6	0	17.57	-1.80	15.77	<=33.01	Pass
	1850.7	1	0	16.49	-1.80	14.69	<=33.01	Pass
			2	16.50	-1.80	14.70	<=33.01	Pass
			5	16.43	-1.80	14.63	<=33.01	Pass
		3	0	16.48	-1.80	14.68	<=33.01	Pass
			2	16.42	-1.80	14.62	<=33.01	Pass
			3	16.38	-1.80	14.58	<=33.01	Pass
		6	0	15.38	-1.80	13.58	<=33.01	Pass
	1880	1	0	18.75	-1.80	16.95	<=33.01	Pass
			2	18.80	-1.80	17.00	<=33.01	Pass
			5	18.60	-1.80	16.80	<=33.01	Pass
		3	0	18.71	-1.80	16.91	<=33.01	Pass
			2	18.69	-1.80	16.89	<=33.01	Pass
			3	18.67	-1.80	16.87	<=33.01	Pass
		6	0	17.67	-1.80	15.87	<=33.01	Pass
	1909.3	1	0	18.80	-1.80	17.00	<=33.01	Pass
			2	18.75	-1.80	16.95	<=33.01	Pass
			5	18.60	-1.80	16.80	<=33.01	Pass
		3	0	18.68	-1.80	16.88	<=33.01	Pass
			2	18.62	-1.80	16.82	<=33.01	Pass
			3	18.65	-1.80	16.85	<=33.01	Pass
		6	0	17.51	-1.80	15.71	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

B2_3MHz_EIRP

Band: 2 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1851.5	1	0	19.97	-1.80	18.17	<=33.01	Pass
			7	20.14	-1.80	18.34	<=33.01	Pass
			14	19.99	-1.80	18.19	<=33.01	Pass
		8	0	19.20	-1.80	17.40	<=33.01	Pass
			4	19.12	-1.80	17.32	<=33.01	Pass
			7	19.20	-1.80	17.40	<=33.01	Pass
		15	0	19.09	-1.80	17.29	<=33.01	Pass
	1880	1	0	19.62	-1.80	17.82	<=33.01	Pass
			7	19.78	-1.80	17.98	<=33.01	Pass
			14	19.70	-1.80	17.90	<=33.01	Pass

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16QAM		8	0	18.76	-1.80	16.96	<=33.01	Pass
			4	18.73	-1.80	16.93	<=33.01	Pass
			7	18.63	-1.80	16.83	<=33.01	Pass
	1908.5	15	0	18.72	-1.80	16.92	<=33.01	Pass
			0	19.56	-1.80	17.76	<=33.01	Pass
			7	19.65	-1.80	17.85	<=33.01	Pass
		1	14	19.52	-1.80	17.72	<=33.01	Pass
			0	18.64	-1.80	16.84	<=33.01	Pass
			4	18.67	-1.80	16.87	<=33.01	Pass
		8	7	18.64	-1.80	16.84	<=33.01	Pass
			0	18.62	-1.80	16.82	<=33.01	Pass
			7	19.12	-1.80	17.32	<=33.01	Pass
64QAM	1851.5	1	7	19.47	-1.80	17.67	<=33.01	Pass
			14	19.18	-1.80	17.38	<=33.01	Pass
		8	0	18.21	-1.80	16.41	<=33.01	Pass
			4	18.19	-1.80	16.39	<=33.01	Pass
			7	18.18	-1.80	16.38	<=33.01	Pass
		15	0	18.18	-1.80	16.38	<=33.01	Pass
	1880	1	0	18.91	-1.80	17.11	<=33.01	Pass
			7	19.08	-1.80	17.28	<=33.01	Pass
			14	18.76	-1.80	16.96	<=33.01	Pass
		8	0	17.91	-1.80	16.11	<=33.01	Pass
			4	17.83	-1.80	16.03	<=33.01	Pass
			7	17.81	-1.80	16.01	<=33.01	Pass
		15	0	17.77	-1.80	15.97	<=33.01	Pass
	1908.5	1	0	18.84	-1.80	17.04	<=33.01	Pass
			7	19.10	-1.80	17.30	<=33.01	Pass
			14	18.71	-1.80	16.91	<=33.01	Pass
		8	0	17.65	-1.80	15.85	<=33.01	Pass
			4	17.61	-1.80	15.81	<=33.01	Pass
			7	17.68	-1.80	15.88	<=33.01	Pass
		15	0	17.64	-1.80	15.84	<=33.01	Pass
	1851.5	1	0	19.39	-1.80	17.59	<=33.01	Pass
			7	19.30	-1.80	17.50	<=33.01	Pass
			14	19.21	-1.80	17.41	<=33.01	Pass
		8	0	18.20	-1.80	16.40	<=33.01	Pass
			4	18.21	-1.80	16.41	<=33.01	Pass
			7	18.15	-1.80	16.35	<=33.01	Pass
		15	0	18.12	-1.80	16.32	<=33.01	Pass
	1880	1	0	18.82	-1.80	17.02	<=33.01	Pass
			7	18.73	-1.80	16.93	<=33.01	Pass
			14	18.79	-1.80	16.99	<=33.01	Pass
		8	0	17.68	-1.80	15.88	<=33.01	Pass
			4	17.79	-1.80	15.99	<=33.01	Pass
			7	17.69	-1.80	15.89	<=33.01	Pass
		15	0	17.63	-1.80	15.83	<=33.01	Pass
	1908.5	1	0	18.59	-1.80	16.79	<=33.01	Pass
			7	18.80	-1.80	17.00	<=33.01	Pass
			14	18.65	-1.80	16.85	<=33.01	Pass
		8	0	17.59	-1.80	15.79	<=33.01	Pass
			4	17.70	-1.80	15.90	<=33.01	Pass
			7	17.68	-1.80	15.88	<=33.01	Pass



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		15	0	17.61	-1.80	15.81	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

B2_5MHz_EIRP

Band: 2 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1852.5	1	0	20.01	-1.80	18.21	<=33.01	Pass
			13	20.19	-1.80	18.39	<=33.01	Pass
			24	20.01	-1.80	18.21	<=33.01	Pass
		12	0	19.11	-1.80	17.31	<=33.01	Pass
			6	19.10	-1.80	17.30	<=33.01	Pass
			13	19.13	-1.80	17.33	<=33.01	Pass
		25	0	19.10	-1.80	17.30	<=33.01	Pass
	1880	1	0	19.75	-1.80	17.95	<=33.01	Pass
			13	19.74	-1.80	17.94	<=33.01	Pass
			24	19.64	-1.80	17.84	<=33.01	Pass
		12	0	18.77	-1.80	16.97	<=33.01	Pass
			6	18.71	-1.80	16.91	<=33.01	Pass
			13	18.65	-1.80	16.85	<=33.01	Pass
		25	0	18.62	-1.80	16.82	<=33.01	Pass
	1907.5	1	0	19.51	-1.80	17.71	<=33.01	Pass
			13	19.63	-1.80	17.83	<=33.01	Pass
			24	19.54	-1.80	17.74	<=33.01	Pass
		12	0	18.73	-1.80	16.93	<=33.01	Pass
			6	18.58	-1.80	16.78	<=33.01	Pass
			13	18.64	-1.80	16.84	<=33.01	Pass
		25	0	18.63	-1.80	16.83	<=33.01	Pass
16QAM	1852.5	1	0	19.28	-1.80	17.48	<=33.01	Pass
			13	19.60	-1.80	17.80	<=33.01	Pass
			24	19.13	-1.80	17.33	<=33.01	Pass
		12	0	18.10	-1.80	16.30	<=33.01	Pass
			6	18.20	-1.80	16.40	<=33.01	Pass
			13	18.10	-1.80	16.30	<=33.01	Pass
		25	0	18.13	-1.80	16.33	<=33.01	Pass
	1880	1	0	19.02	-1.80	17.22	<=33.01	Pass
			13	18.91	-1.80	17.11	<=33.01	Pass
			24	19.05	-1.80	17.25	<=33.01	Pass
		12	0	17.71	-1.80	15.91	<=33.01	Pass
			6	17.73	-1.80	15.93	<=33.01	Pass
			13	17.70	-1.80	15.90	<=33.01	Pass
		25	0	17.74	-1.80	15.94	<=33.01	Pass
	1907.5	1	0	18.74	-1.80	16.94	<=33.01	Pass
			13	19.09	-1.80	17.29	<=33.01	Pass
			24	18.99	-1.80	17.19	<=33.01	Pass
		12	0	17.60	-1.80	15.80	<=33.01	Pass
			6	17.69	-1.80	15.89	<=33.01	Pass
			13	17.70	-1.80	15.90	<=33.01	Pass
		25	0	17.64	-1.80	15.84	<=33.01	Pass
64QAM	1852.5	1	0	19.08	-1.80	17.28	<=33.01	Pass
			13	19.21	-1.80	17.41	<=33.01	Pass
			24	19.03	-1.80	17.23	<=33.01	Pass



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		12	0	18.13	-1.80	16.33	<=33.01	Pass
			6	18.19	-1.80	16.39	<=33.01	Pass
			13	18.17	-1.80	16.37	<=33.01	Pass
	1880	25	0	18.19	-1.80	16.39	<=33.01	Pass
			0	18.88	-1.80	17.08	<=33.01	Pass
			13	19.00	-1.80	17.20	<=33.01	Pass
		12	24	18.70	-1.80	16.90	<=33.01	Pass
			0	17.70	-1.80	15.90	<=33.01	Pass
			6	17.68	-1.80	15.88	<=33.01	Pass
			13	17.78	-1.80	15.98	<=33.01	Pass
		25	0	17.70	-1.80	15.90	<=33.01	Pass
			0	18.79	-1.80	16.99	<=33.01	Pass
	1907.5	1	13	18.92	-1.80	17.12	<=33.01	Pass
			24	18.73	-1.80	16.93	<=33.01	Pass
		12	0	17.63	-1.80	15.83	<=33.01	Pass
			6	17.68	-1.80	15.88	<=33.01	Pass
			13	17.63	-1.80	15.83	<=33.01	Pass
		25	0	17.64	-1.80	15.84	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

B2_10MHz_EIRP

Band: 2 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	20.01	-1.80	18.21	<=33.01	Pass
			25	20.05	-1.80	18.25	<=33.01	Pass
			49	19.97	-1.80	18.17	<=33.01	Pass
		25	0	19.12	-1.80	17.32	<=33.01	Pass
			13	19.07	-1.80	17.27	<=33.01	Pass
			25	18.97	-1.80	17.17	<=33.01	Pass
		50	0	19.05	-1.80	17.25	<=33.01	Pass
			0	19.83	-1.80	18.03	<=33.01	Pass
			25	19.73	-1.80	17.93	<=33.01	Pass
	1880	1	49	19.72	-1.80	17.92	<=33.01	Pass
			0	18.83	-1.80	17.03	<=33.01	Pass
		25	13	18.68	-1.80	16.88	<=33.01	Pass
			25	18.69	-1.80	16.89	<=33.01	Pass
		50	0	18.74	-1.80	16.94	<=33.01	Pass
			0	19.74	-1.80	17.94	<=33.01	Pass
			25	19.82	-1.80	18.02	<=33.01	Pass
		1	49	19.63	-1.80	17.83	<=33.01	Pass
			0	18.73	-1.80	16.93	<=33.01	Pass
		25	13	18.72	-1.80	16.92	<=33.01	Pass
			25	18.66	-1.80	16.86	<=33.01	Pass
		50	0	18.75	-1.80	16.95	<=33.01	Pass
16QAM	1855	1	0	19.38	-1.80	17.58	<=33.01	Pass
			25	19.38	-1.80	17.58	<=33.01	Pass
			49	19.44	-1.80	17.64	<=33.01	Pass
		25	0	18.10	-1.80	16.30	<=33.01	Pass
			13	18.04	-1.80	16.24	<=33.01	Pass
			25	17.98	-1.80	16.18	<=33.01	Pass
		50	0	18.06	-1.80	16.26	<=33.01	Pass



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64QAM	1880	1	0	19.03	-1.80	17.23	<=33.01	Pass
			25	18.93	-1.80	17.13	<=33.01	Pass
			49	19.08	-1.80	17.28	<=33.01	Pass
		25	0	17.83	-1.80	16.03	<=33.01	Pass
			13	17.71	-1.80	15.91	<=33.01	Pass
			25	17.74	-1.80	15.94	<=33.01	Pass
		50	0	17.74	-1.80	15.94	<=33.01	Pass
	1905	1	0	18.96	-1.80	17.16	<=33.01	Pass
			25	18.93	-1.80	17.13	<=33.01	Pass
			49	18.92	-1.80	17.12	<=33.01	Pass
		25	0	17.75	-1.80	15.95	<=33.01	Pass
			13	17.82	-1.80	16.02	<=33.01	Pass
			25	17.65	-1.80	15.85	<=33.01	Pass
		50	0	17.72	-1.80	15.92	<=33.01	Pass
64QAM	1855	1	0	19.22	-1.80	17.42	<=33.01	Pass
			25	19.20	-1.80	17.40	<=33.01	Pass
			49	18.96	-1.80	17.16	<=33.01	Pass
		25	0	18.11	-1.80	16.31	<=33.01	Pass
			13	18.05	-1.80	16.25	<=33.01	Pass
			25	17.92	-1.80	16.12	<=33.01	Pass
		50	0	17.95	-1.80	16.15	<=33.01	Pass
	1880	1	0	18.92	-1.80	17.12	<=33.01	Pass
			25	18.83	-1.80	17.03	<=33.01	Pass
			49	18.74	-1.80	16.94	<=33.01	Pass
		25	0	17.79	-1.80	15.99	<=33.01	Pass
			13	17.81	-1.80	16.01	<=33.01	Pass
			25	17.77	-1.80	15.97	<=33.01	Pass
		50	0	17.72	-1.80	15.92	<=33.01	Pass
	1905	1	0	18.94	-1.80	17.14	<=33.01	Pass
			25	18.80	-1.80	17.00	<=33.01	Pass
			49	18.77	-1.80	16.97	<=33.01	Pass
		25	0	17.76	-1.80	15.96	<=33.01	Pass
			13	17.72	-1.80	15.92	<=33.01	Pass
			25	17.66	-1.80	15.86	<=33.01	Pass
		50	0	17.76	-1.80	15.96	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

B2_15MHz_EIRP

Band: 2 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1857.5	1	0	19.92	-1.80	18.12	<=33.01	Pass
			38	19.89	-1.80	18.09	<=33.01	Pass
			74	19.88	-1.80	18.08	<=33.01	Pass
		36	0	18.87	-1.80	17.07	<=33.01	Pass
			18	18.78	-1.80	16.98	<=33.01	Pass
			39	18.79	-1.80	16.99	<=33.01	Pass
		75	0	18.81	-1.80	17.01	<=33.01	Pass
	1880	1	0	19.65	-1.80	17.85	<=33.01	Pass
			38	19.53	-1.80	17.73	<=33.01	Pass
			74	19.39	-1.80	17.59	<=33.01	Pass
		36	0	18.63	-1.80	16.83	<=33.01	Pass



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		75	18	18.62	-1.80	16.82	<=33.01	Pass
			39	18.54	-1.80	16.74	<=33.01	Pass
			0	18.61	-1.80	16.81	<=33.01	Pass
	1902.5	1	0	19.55	-1.80	17.75	<=33.01	Pass
			38	19.52	-1.80	17.72	<=33.01	Pass
			74	19.51	-1.80	17.71	<=33.01	Pass
		36	0	18.69	-1.80	16.89	<=33.01	Pass
			18	18.65	-1.80	16.85	<=33.01	Pass
			39	18.55	-1.80	16.75	<=33.01	Pass
		75	0	18.50	-1.80	16.70	<=33.01	Pass
16QAM	1857.5	1	0	19.20	-1.80	17.40	<=33.01	Pass
			38	19.24	-1.80	17.44	<=33.01	Pass
			74	19.42	-1.80	17.62	<=33.01	Pass
		36	0	17.90	-1.80	16.10	<=33.01	Pass
			18	17.76	-1.80	15.96	<=33.01	Pass
			39	17.86	-1.80	16.06	<=33.01	Pass
		75	0	17.85	-1.80	16.05	<=33.01	Pass
	1880	1	0	18.72	-1.80	16.92	<=33.01	Pass
			38	18.75	-1.80	16.95	<=33.01	Pass
			74	18.90	-1.80	17.10	<=33.01	Pass
		36	0	17.55	-1.80	15.75	<=33.01	Pass
			18	17.52	-1.80	15.72	<=33.01	Pass
			39	17.53	-1.80	15.73	<=33.01	Pass
		75	0	17.65	-1.80	15.85	<=33.01	Pass
	1902.5	1	0	19.07	-1.80	17.27	<=33.01	Pass
			38	18.93	-1.80	17.13	<=33.01	Pass
			74	18.57	-1.80	16.77	<=33.01	Pass
		36	0	17.64	-1.80	15.84	<=33.01	Pass
			18	17.62	-1.80	15.82	<=33.01	Pass
			39	17.63	-1.80	15.83	<=33.01	Pass
		75	0	17.59	-1.80	15.79	<=33.01	Pass
64QAM	1857.5	1	0	19.11	-1.80	17.31	<=33.01	Pass
			38	19.03	-1.80	17.23	<=33.01	Pass
			74	18.70	-1.80	16.90	<=33.01	Pass
		36	0	17.91	-1.80	16.11	<=33.01	Pass
			18	17.75	-1.80	15.95	<=33.01	Pass
			39	17.86	-1.80	16.06	<=33.01	Pass
		75	0	17.67	-1.80	15.87	<=33.01	Pass
	1880	1	0	18.64	-1.80	16.84	<=33.01	Pass
			38	18.62	-1.80	16.82	<=33.01	Pass
			74	18.70	-1.80	16.90	<=33.01	Pass
		36	0	17.67	-1.80	15.87	<=33.01	Pass
			18	17.59	-1.80	15.79	<=33.01	Pass
			39	17.52	-1.80	15.72	<=33.01	Pass
		75	0	17.57	-1.80	15.77	<=33.01	Pass
	1902.5	1	0	18.89	-1.80	17.09	<=33.01	Pass
			38	18.52	-1.80	16.72	<=33.01	Pass
			74	18.37	-1.80	16.57	<=33.01	Pass
		36	0	17.66	-1.80	15.86	<=33.01	Pass
			18	17.58	-1.80	15.78	<=33.01	Pass
			39	17.50	-1.80	15.70	<=33.01	Pass
		75	0	17.58	-1.80	15.78	<=33.01	Pass



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Note1: EIRP=Conducted Power+Antenna Gain

B2_20MHz_EIRP

Band: 2 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	19.74	-1.80	17.94	<=33.01	Pass
			50	19.75	-1.80	17.95	<=33.01	Pass
			99	19.88	-1.80	18.08	<=33.01	Pass
		50	0	18.91	-1.80	17.11	<=33.01	Pass
			25	18.88	-1.80	17.08	<=33.01	Pass
			50	18.78	-1.80	16.98	<=33.01	Pass
		100	0	18.81	-1.80	17.01	<=33.01	Pass
	1880	1	0	19.64	-1.80	17.84	<=33.01	Pass
			50	19.68	-1.80	17.88	<=33.01	Pass
			99	19.72	-1.80	17.92	<=33.01	Pass
		50	0	18.73	-1.80	16.93	<=33.01	Pass
			25	18.57	-1.80	16.77	<=33.01	Pass
			50	18.61	-1.80	16.81	<=33.01	Pass
		100	0	18.62	-1.80	16.82	<=33.01	Pass
	1900	1	0	19.68	-1.80	17.88	<=33.01	Pass
			50	19.71	-1.80	17.91	<=33.01	Pass
			99	19.83	-1.80	18.03	<=33.01	Pass
		50	0	18.58	-1.80	16.78	<=33.01	Pass
			25	18.56	-1.80	16.76	<=33.01	Pass
			50	18.60	-1.80	16.80	<=33.01	Pass
		100	0	18.56	-1.80	16.76	<=33.01	Pass
16QAM	1860	1	0	18.94	-1.80	17.14	<=33.01	Pass
			50	19.08	-1.80	17.28	<=33.01	Pass
			99	19.10	-1.80	17.30	<=33.01	Pass
		50	0	17.78	-1.80	15.98	<=33.01	Pass
			25	17.85	-1.80	16.05	<=33.01	Pass
			50	17.74	-1.80	15.94	<=33.01	Pass
		100	0	17.80	-1.80	16.00	<=33.01	Pass
	1880	1	0	18.98	-1.80	17.18	<=33.01	Pass
			50	18.88	-1.80	17.08	<=33.01	Pass
			99	19.05	-1.80	17.25	<=33.01	Pass
		50	0	17.66	-1.80	15.86	<=33.01	Pass
			25	17.63	-1.80	15.83	<=33.01	Pass
			50	17.62	-1.80	15.82	<=33.01	Pass
		100	0	17.56	-1.80	15.76	<=33.01	Pass
	1900	1	0	18.93	-1.80	17.13	<=33.01	Pass
			50	19.04	-1.80	17.24	<=33.01	Pass
			99	18.65	-1.80	16.85	<=33.01	Pass
		50	0	17.65	-1.80	15.85	<=33.01	Pass
			25	17.65	-1.80	15.85	<=33.01	Pass
			50	17.56	-1.80	15.76	<=33.01	Pass
		100	0	17.55	-1.80	15.75	<=33.01	Pass
64QAM	1860	1	0	18.91	-1.80	17.11	<=33.01	Pass
			50	18.85	-1.80	17.05	<=33.01	Pass
			99	18.99	-1.80	17.19	<=33.01	Pass
		50	0	17.76	-1.80	15.96	<=33.01	Pass

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		100	25	17.81	-1.80	16.01	<=33.01	Pass	
			50	17.83	-1.80	16.03	<=33.01	Pass	
			0	17.68	-1.80	15.88	<=33.01	Pass	
	1880	1	0	18.75	-1.80	16.95	<=33.01	Pass	
			50	18.55	-1.80	16.75	<=33.01	Pass	
			99	18.81	-1.80	17.01	<=33.01	Pass	
		50	0	17.67	-1.80	15.87	<=33.01	Pass	
			25	17.60	-1.80	15.80	<=33.01	Pass	
			50	17.60	-1.80	15.80	<=33.01	Pass	
		100	0	17.56	-1.80	15.76	<=33.01	Pass	
		1900	1	0	18.60	-1.80	16.80	<=33.01	Pass
				50	18.84	-1.80	17.04	<=33.01	Pass
	99			18.79	-1.80	16.99	<=33.01	Pass	
	50		0	17.68	-1.80	15.88	<=33.01	Pass	
			25	17.66	-1.80	15.86	<=33.01	Pass	
			50	17.58	-1.80	15.78	<=33.01	Pass	
	100		0	17.63	-1.80	15.83	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

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3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

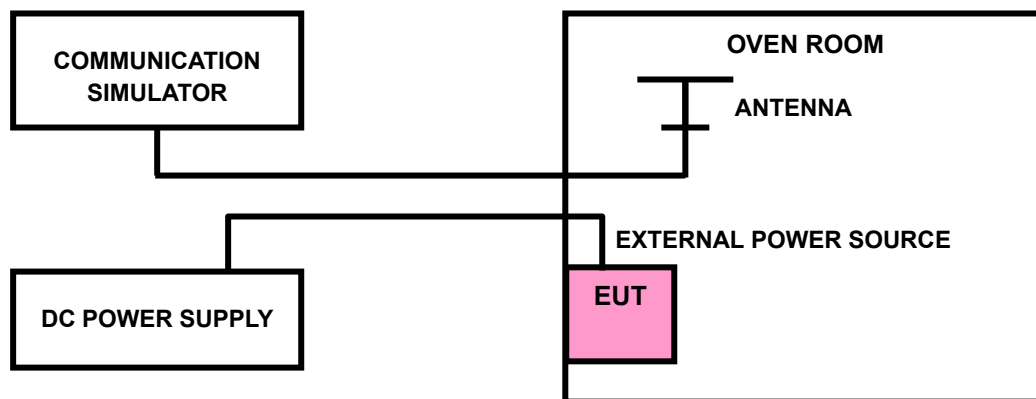
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.2.2 TEST PROCEDURE

- 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.
- 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.
- 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



3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

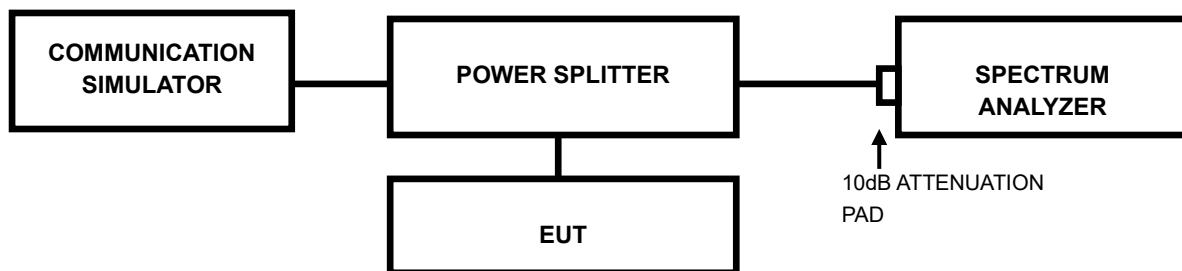
Test Report No.: RF260703B002

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

Please Refer to Appendix Of this test report.

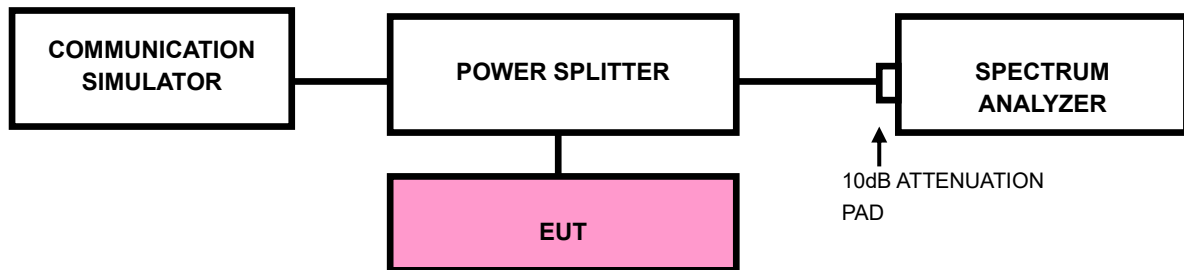
Test Report No.: RF260703B002

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



3.4.3 TEST PROCEDURES

- a) All measurements were done at low and high operational frequency range
- b) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- c) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW)
- d) .Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- e) Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- f) Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- g) Select the average power (RMS) display detector.
- h) Set the number of measurement points to ≥ 1001 .
- i) Use auto-coupled sweep time.
- j) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- k) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- l) Record the max trace plot into the test report.

3.4.4. TEST RESULTS

Please Refer to Appendix Of this test report.

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3.5 CONDUCTED SPURIOUS EMISSIONS

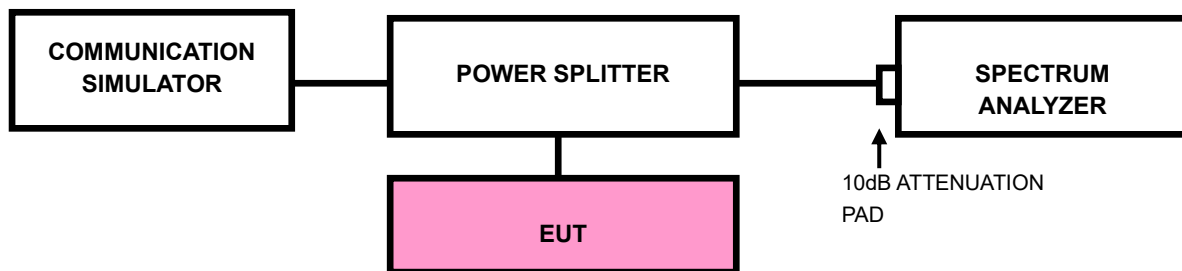
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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



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.

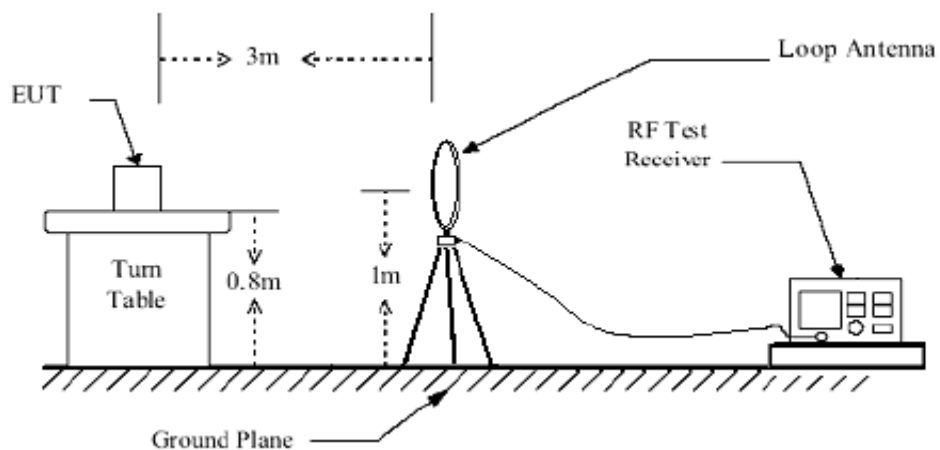
3.6.3 DEVIATION FROM TEST STANDARD

No deviation

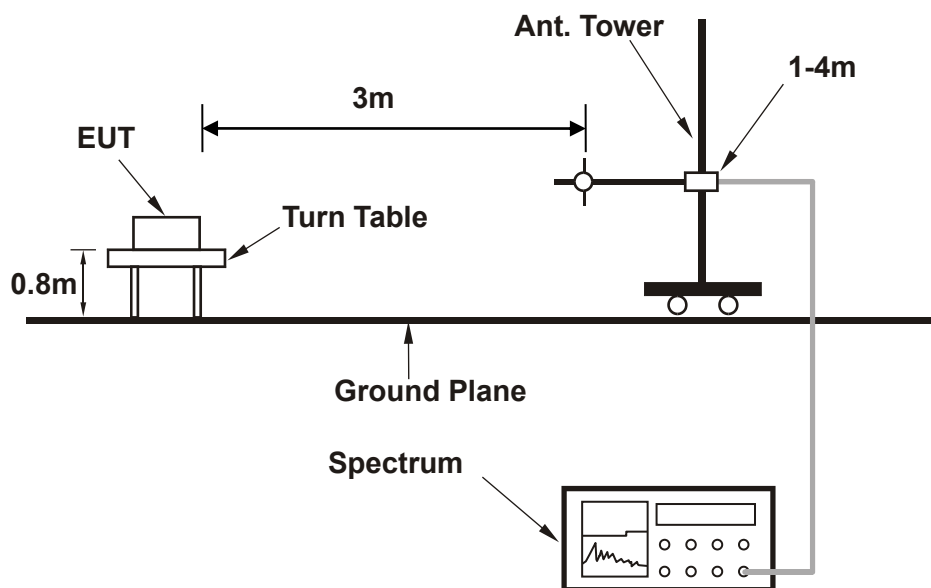
Test Report No.: RF260703B002

3.6.4 TEST SETUP

< Frequency Range below 30MHz >

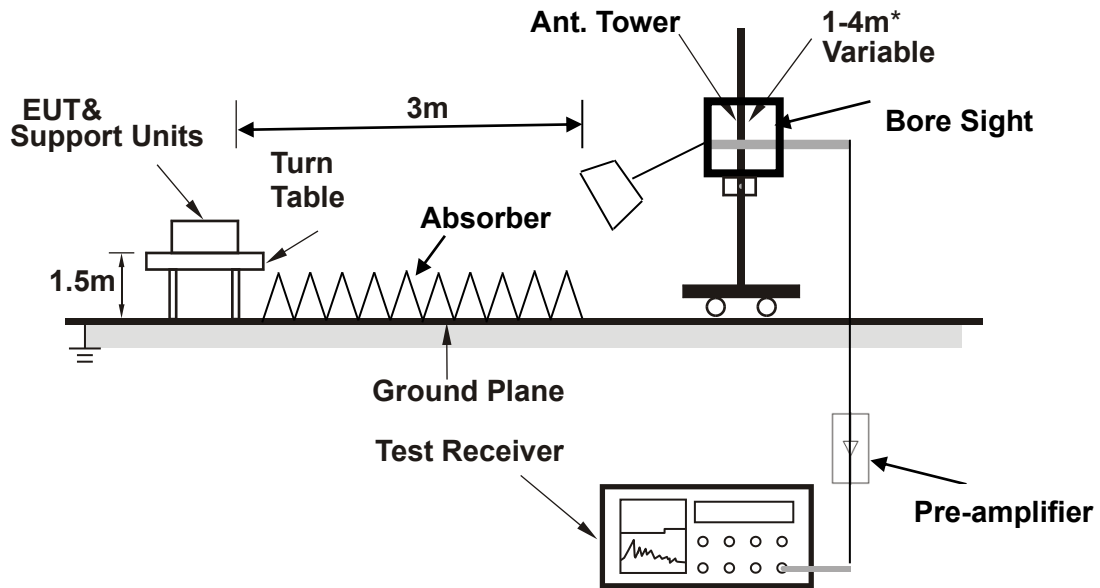


< Frequency Range 30MHz~1GHz >



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<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).



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3.6.5 TEST RESULTS

NOTE1 : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

NOTE2 : The measurement range is 30M to the tenth harmonic of the highest fundamental frequency, For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report

GSM 1900

Test result:

ANT1:

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
140	-79.84	-13.00	Vertical
480	-80.74	-13.00	Vertical
880	-73.09	-13.00	Vertical
2440	-58.66	-13.00	Vertical
3420	-58.81	-13.00	Vertical
4560	-61.49	-13.00	Vertical
5720	-59.22	-13.00	Vertical

WCDMA band II

Test result:

WCDMA Mode:

ANT1: Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
46.04	-91.12	-13	Vertical
489.68	-99.61	-13	Vertical
879.41	-85.87	-13	Vertical
1959	-80.79	-13	Vertical
3460	-76.42	-13	Vertical
6700	-78.88	-13	Vertical
10950	-72.03	-13	Vertical



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LTE band 2

Test result:

ANT1 Channel 18900

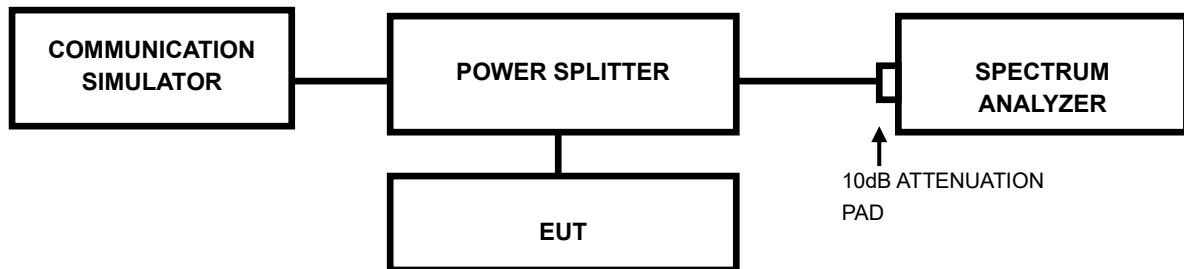
Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
171.65	-101.19	-13.00	Vertical
769.14	-97.59	-13.00	Vertical
879.41	-89.76	-13.00	Vertical
1959.50	-81.75	-13.00	Vertical
3430	-81.61	-13.00	Vertical
8200	-76.73	-13.00	Vertical
11520	-71.41	-13.00	Vertical

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%.

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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5 INFORMATION ON THE TESTING LABORATORIES

We, BOOMWAVE TEST (SHENZHEN) CO., LTD., were founded in 2025 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

Shenzhen EMC/RF Lab:

Mobile: +86 15118052731

Email: shimin.wang@boomwavelab.com



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6 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.



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7 APPENDIX

GSM1900

PEAK-TO-AVERAGE RATIO(CCDF)

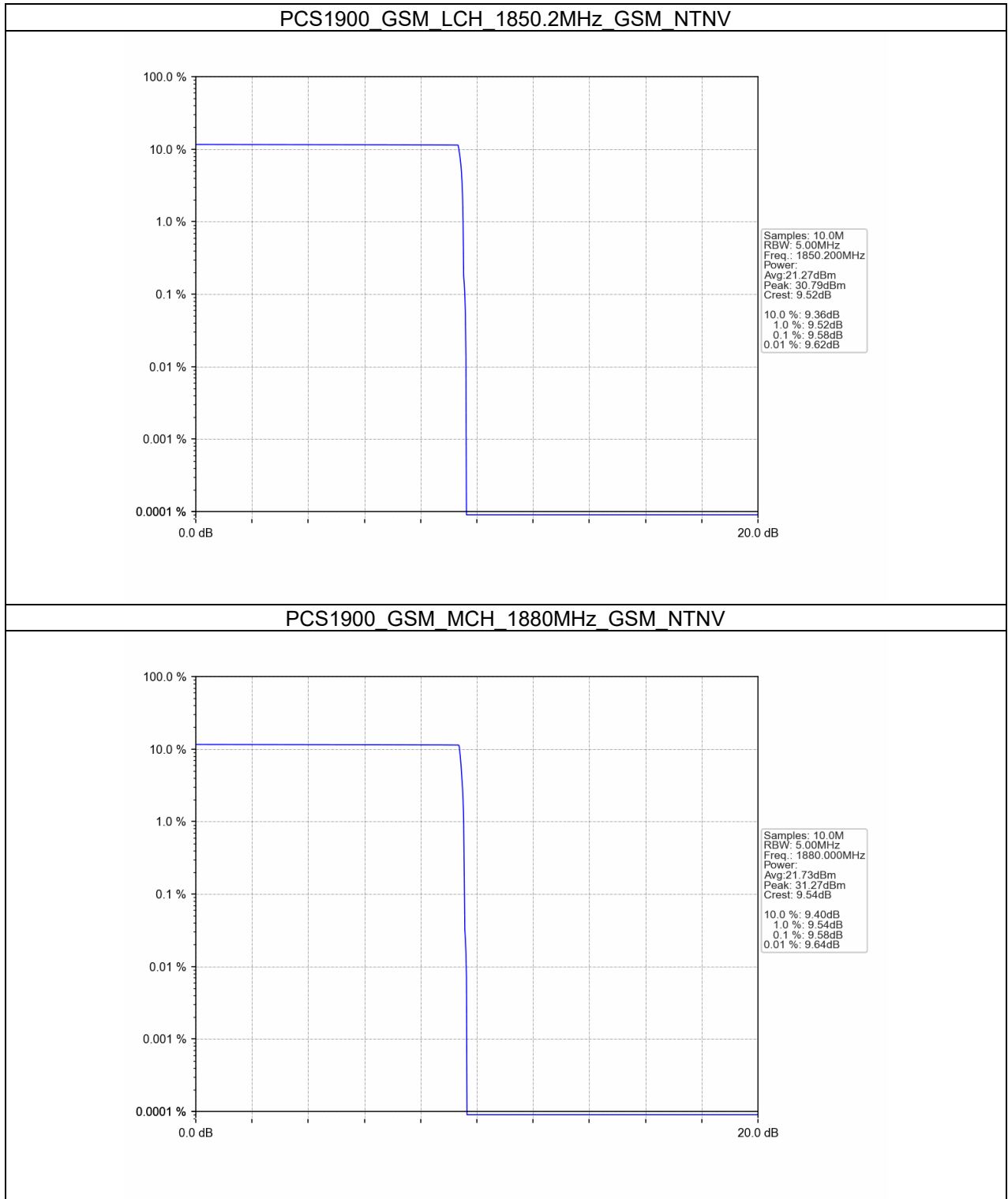
Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	1850.2	9.58	<=13	Pass
			1880	9.58	<=13	Pass
			1909.8	9.58	<=13	Pass
	GPRS	4 TX Slots	1850.2	3.76	<=13	Pass
			1880	3.76	<=13	Pass
			1909.8	3.76	<=13	Pass



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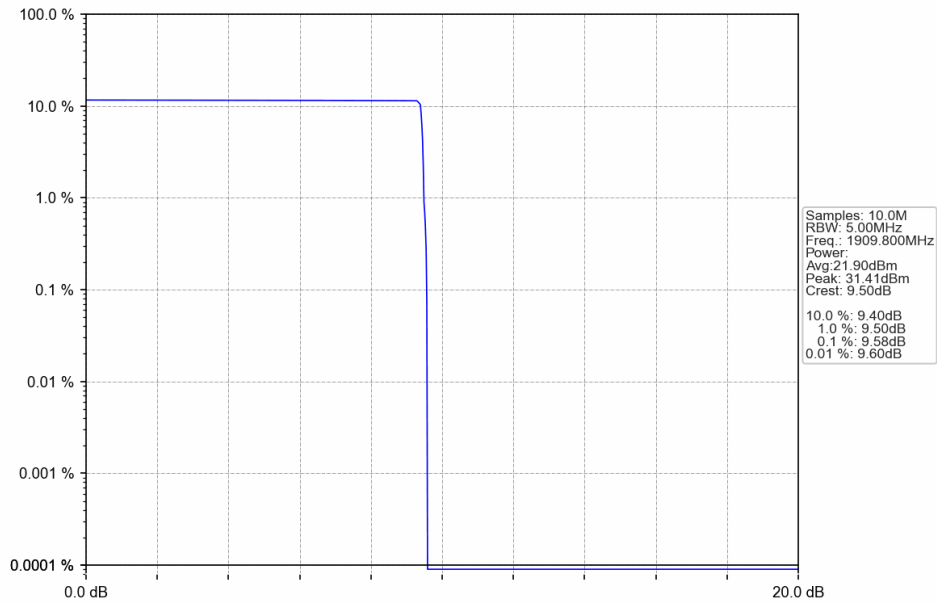
Test Graphs



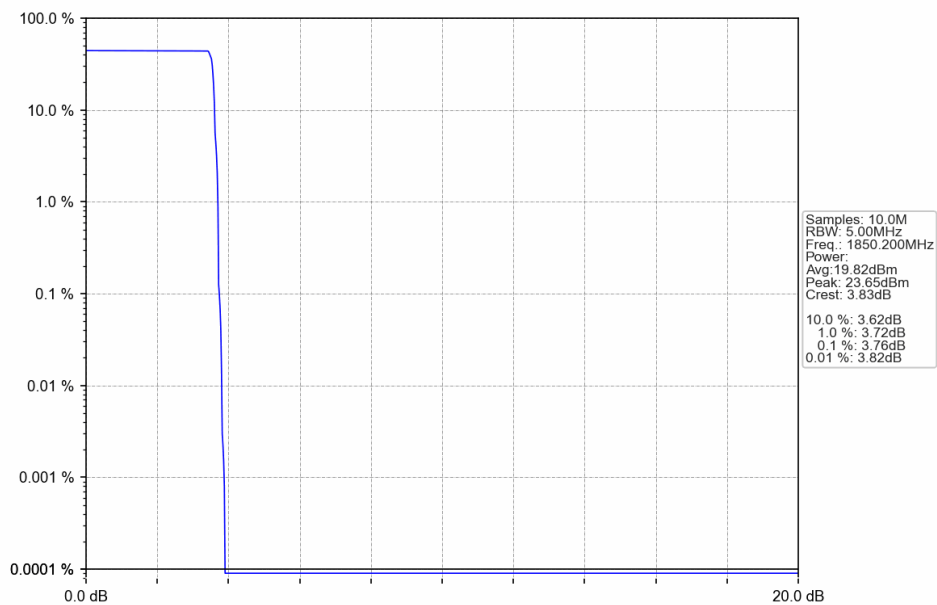


Test Report No.: RF260703B002

PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



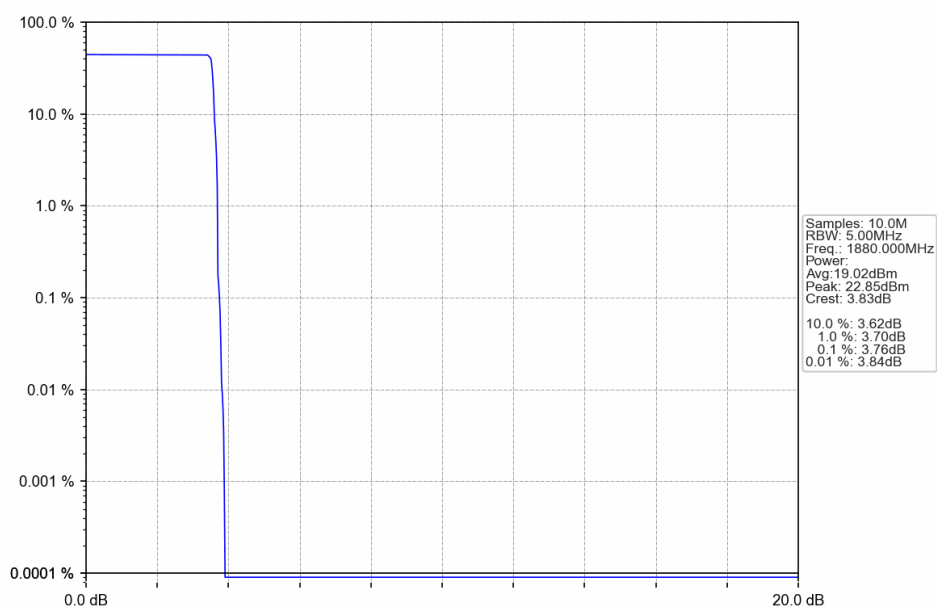
PCS1900_GPRS_LCH_1850.2MHz_4 TX Slots_NTNV



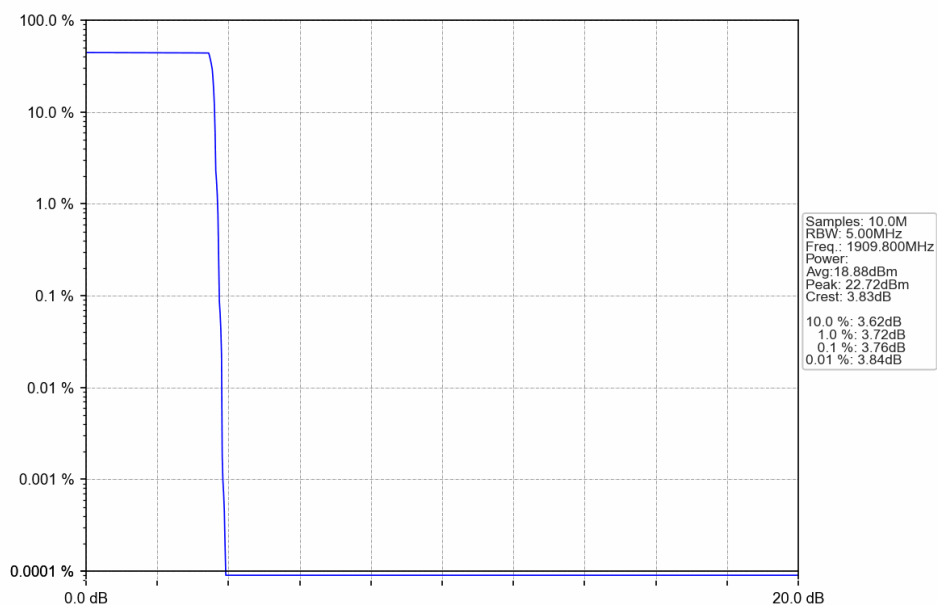


Test Report No.: RF260703B002

PCS1900_GPRS_MCH_1880MHz_4 TX Slots_NTNV



PCS1900_GPRS_HCH_1909.8MHz_4 TX Slots_NTNV





Test Report No.: RF260703B002

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	1850.2	0.315	/	Pass
			1880	0.312	/	Pass
			1909.8	0.312	/	Pass
	GPRS	1 TX Slot	1850.2	0.317	/	Pass
			1880	0.311	/	Pass
			1909.8	0.320	/	Pass

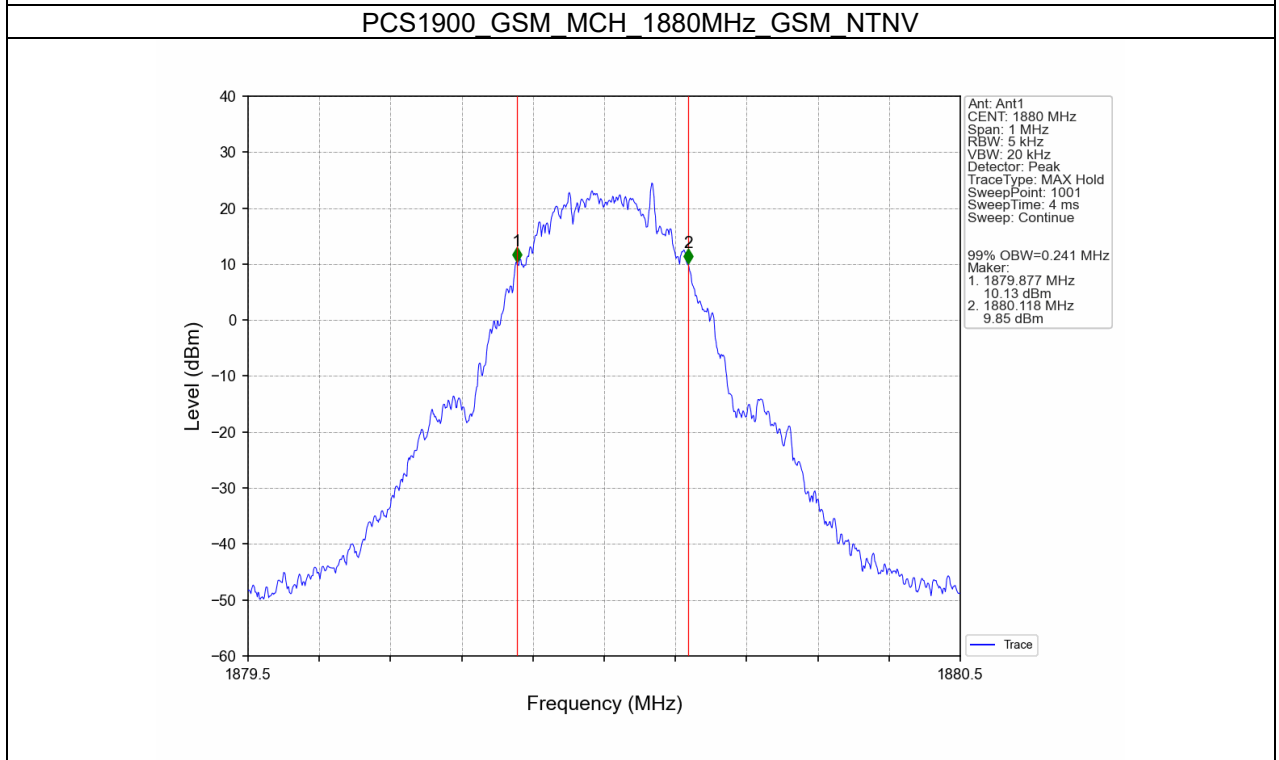
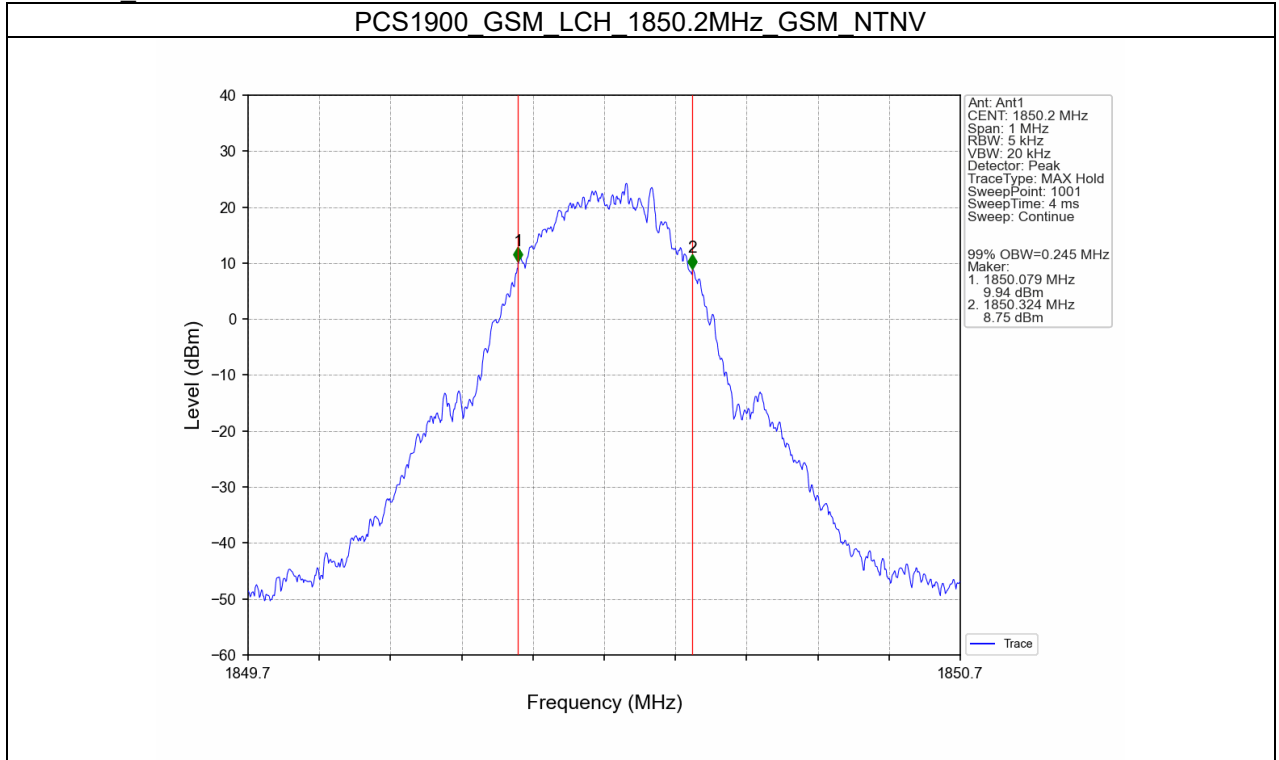
Band: PCS1900						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	1850.2	0.245	/	Pass
			1880	0.241	/	Pass
			1909.8	0.243	/	Pass
	GPRS	1 TX Slot	1850.2	0.245	/	Pass
			1880	0.244	/	Pass
			1909.8	0.244	/	Pass



Test Report No.: RF260703B002

Test Graphs

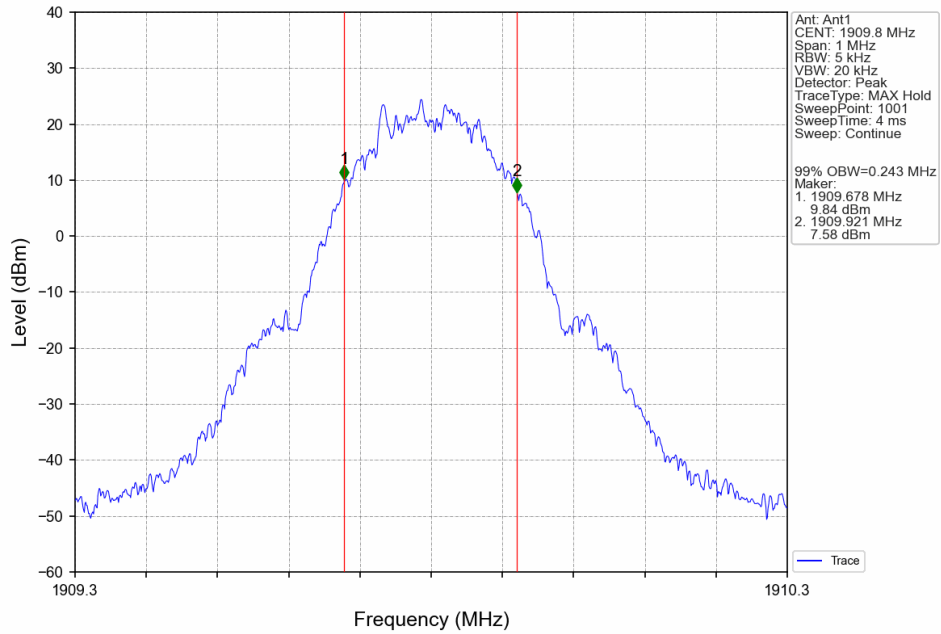
PCS1900 OBW



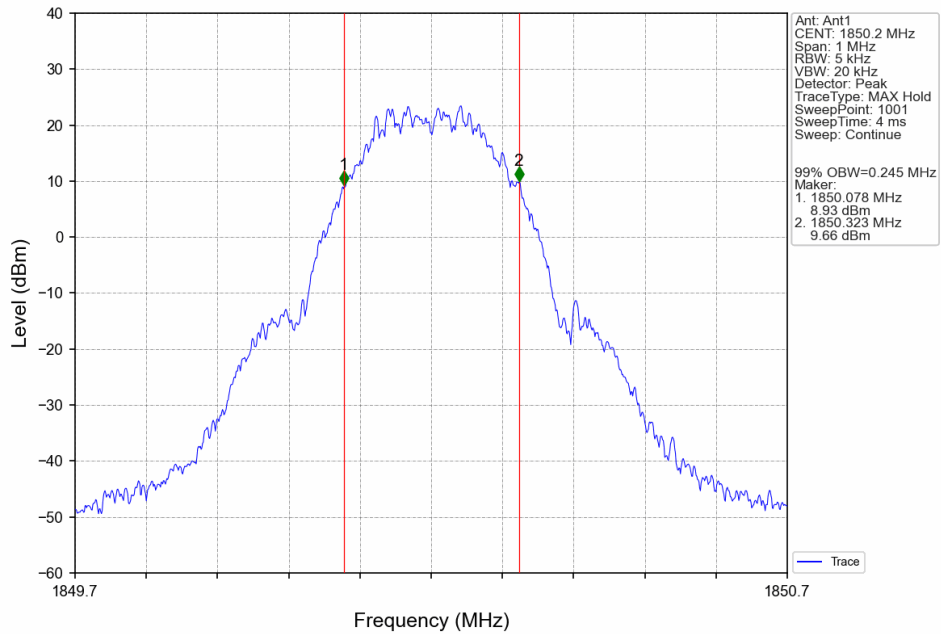


Test Report No.: RF260703B002

PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV

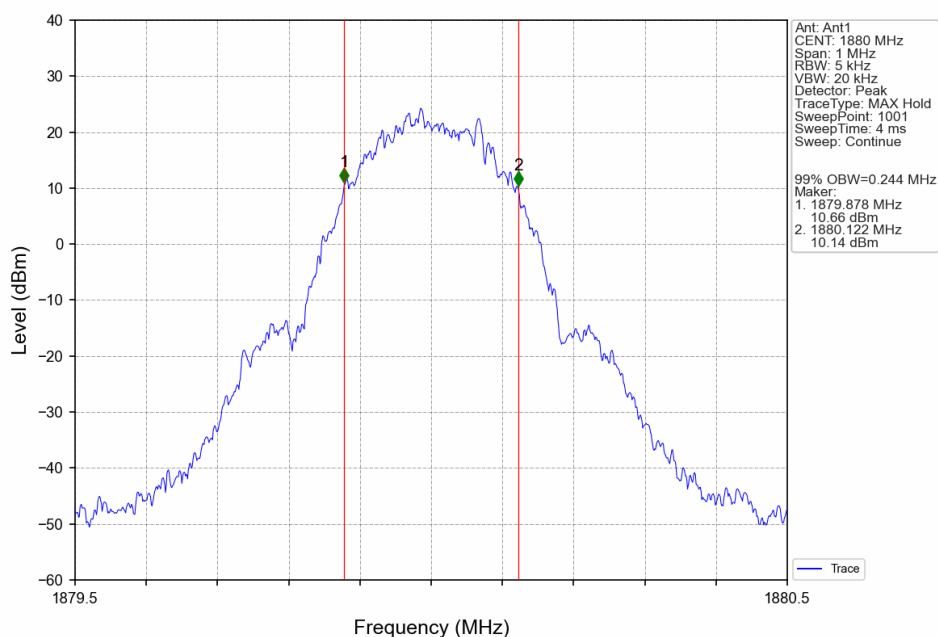


PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot NTN

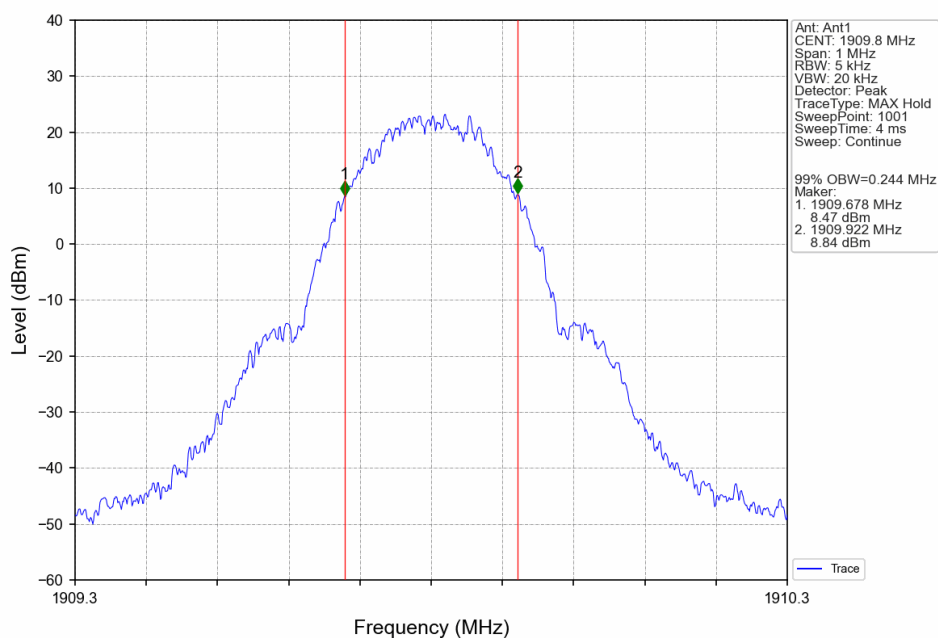


Test Report No.: RF260703B002

PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV

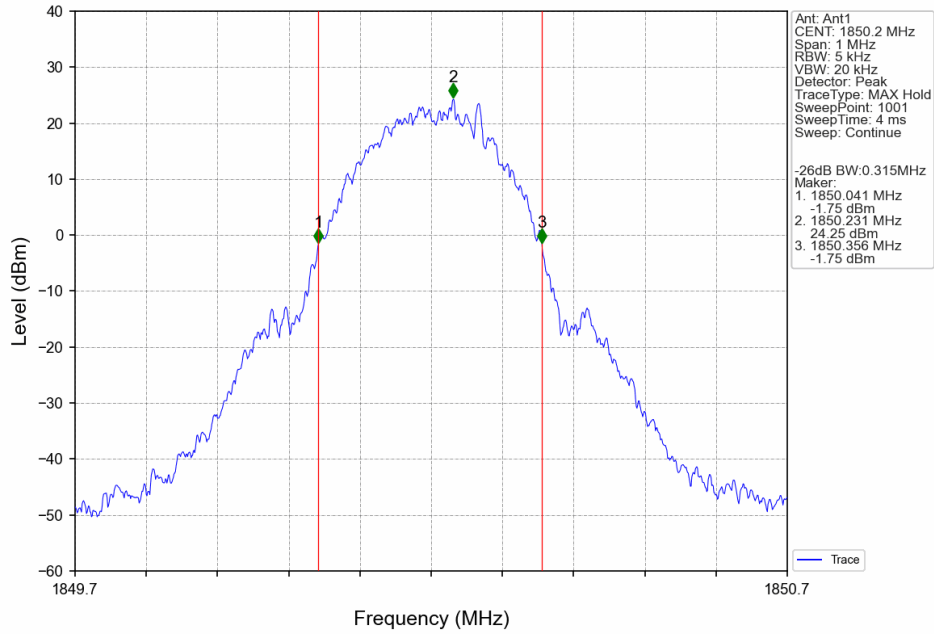




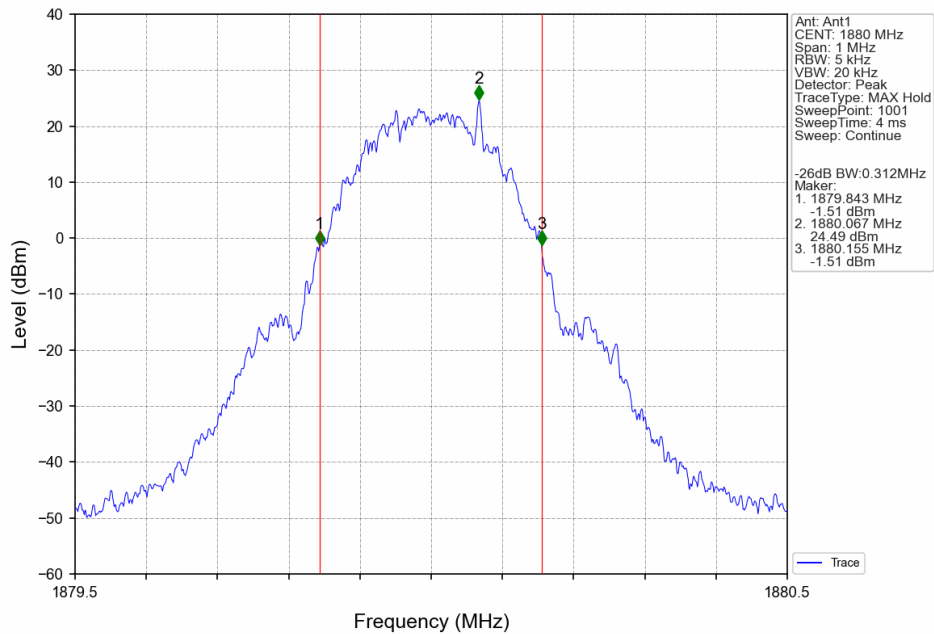
Test Report No.: RF260703B002

PCS1900_XDB

PCS1900_GSM_LCH_1850.2MHz_GSM_NTNV

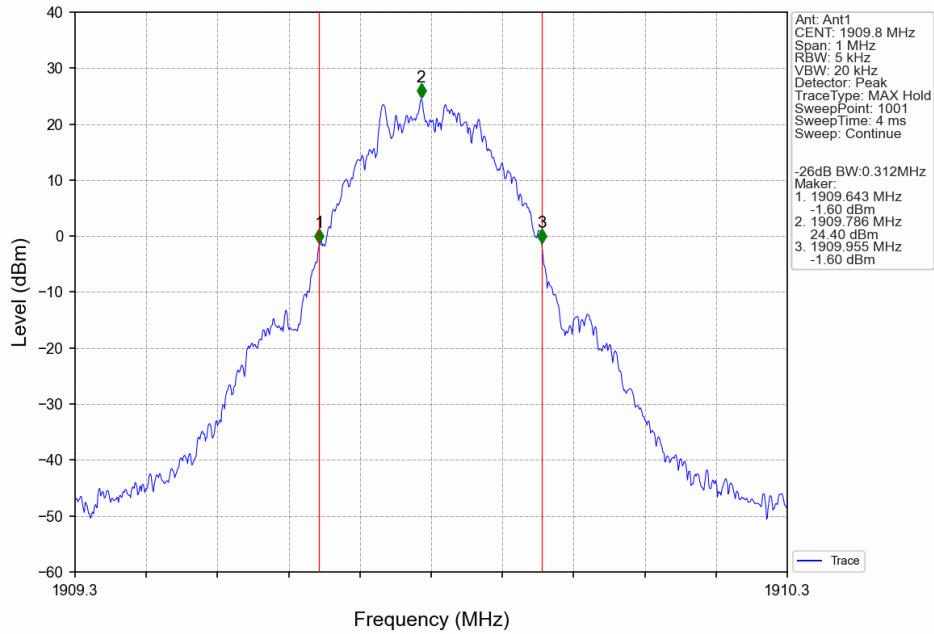


PCS1900_GSM_MCH_1880MHz_GSM_NTNV

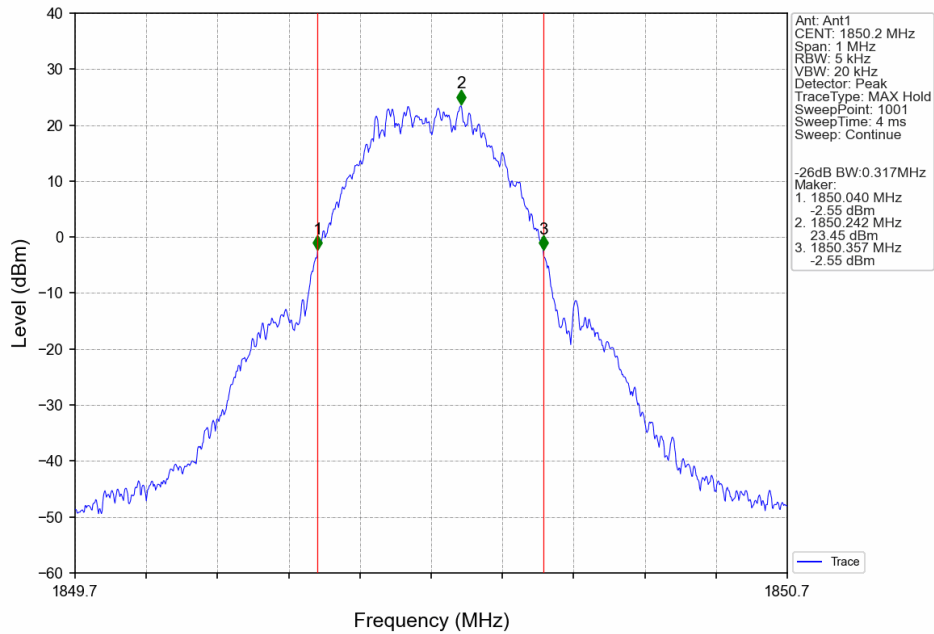


Test Report No.: RF260703B002

PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



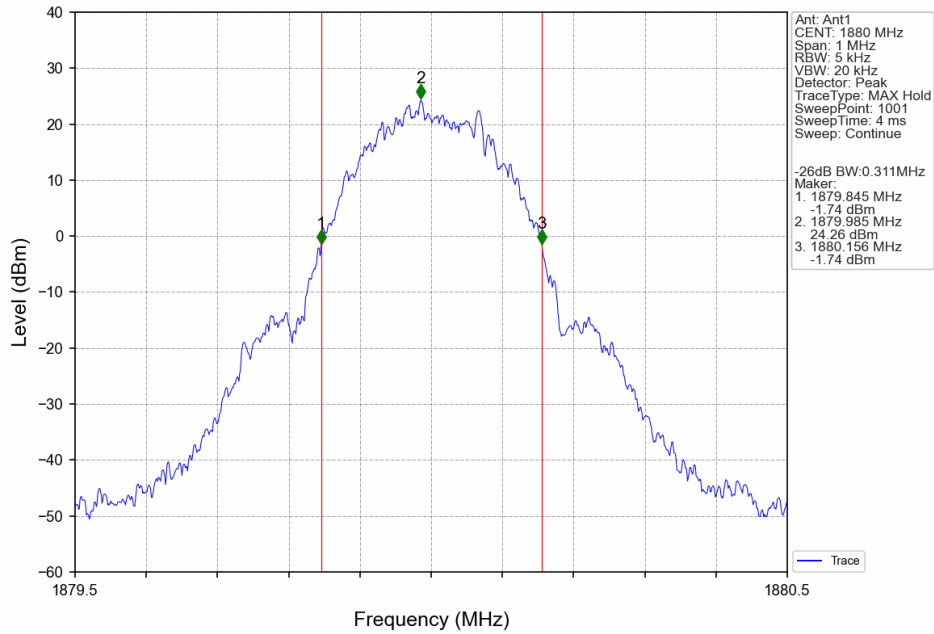
PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot NTN



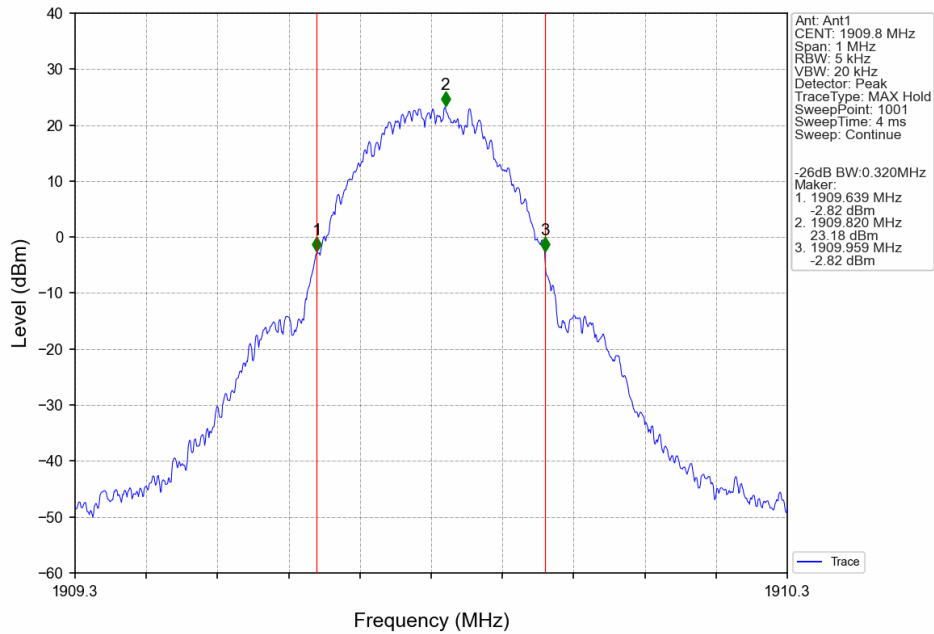


Test Report No.: RF260703B002

PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV





Test Report No.: RF260703B002

BAND EDGE AND SPURIOUS EMISSION

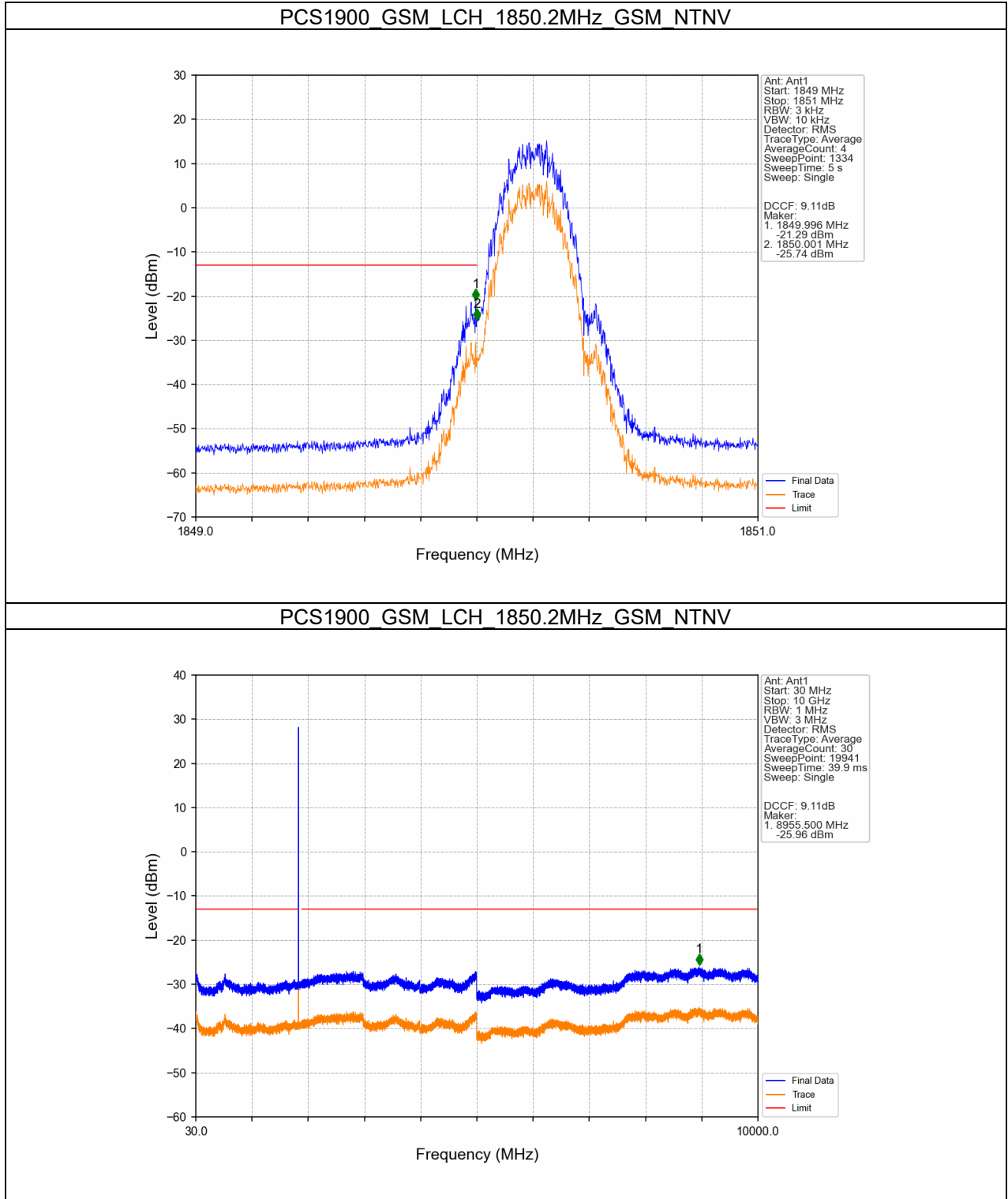
Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	1850.2	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1909.8	Refer To Test Graph		Pass
	GPRS	1 TX Slot	1850.2	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1909.8	Refer To Test Graph		Pass



Test Report No.: RF260703B002

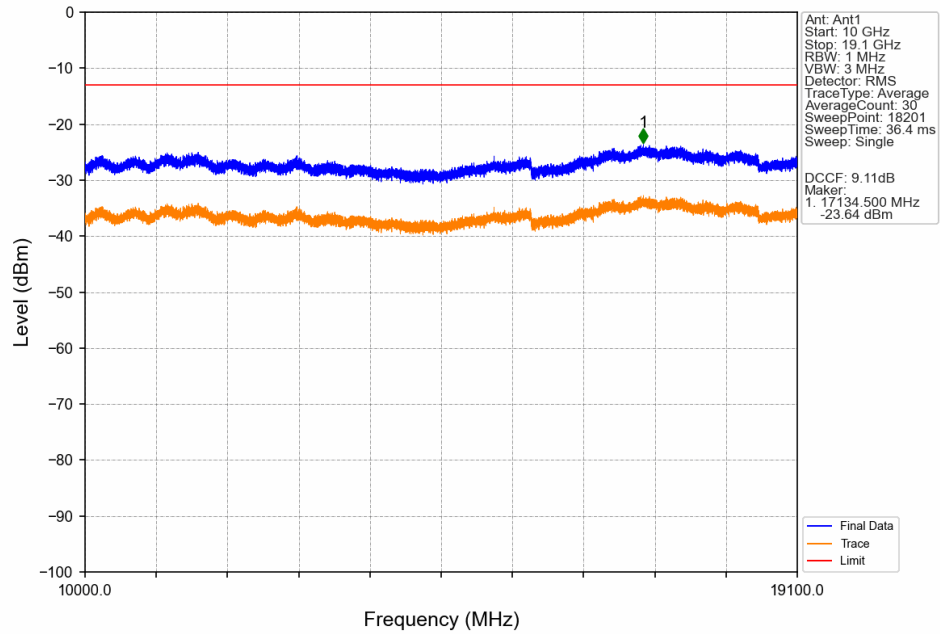
Test Graphs



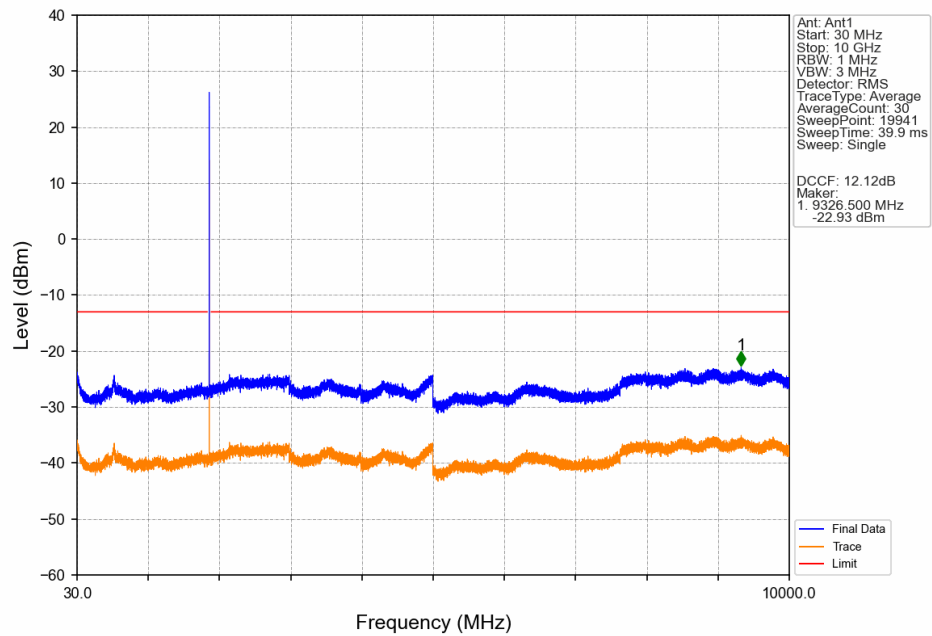


Test Report No.: RF260703B002

PCS1900_GSM_LCH_1850.2MHz_GSM_NTNV



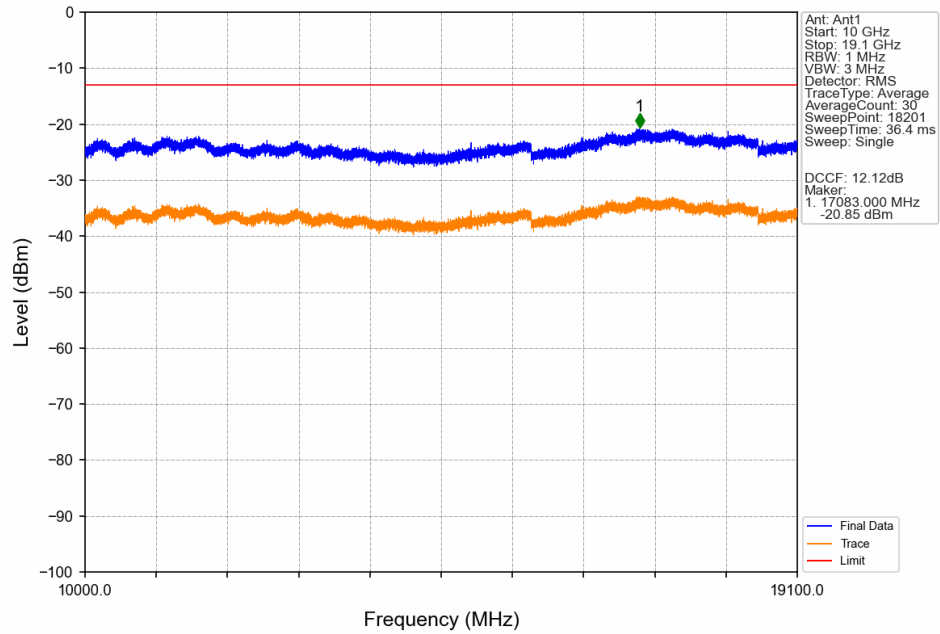
PCS1900_GSM_MCH_1880MHz_GSM_NTNV



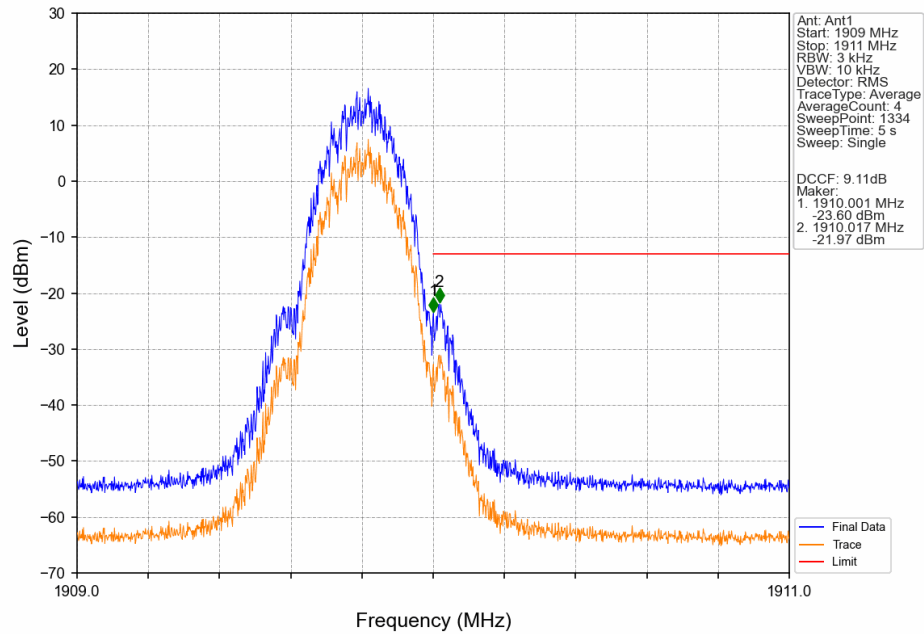


Test Report No.: RF260703B002

PCS1900_GSM_MCH_1880MHz_GSM_NTNV



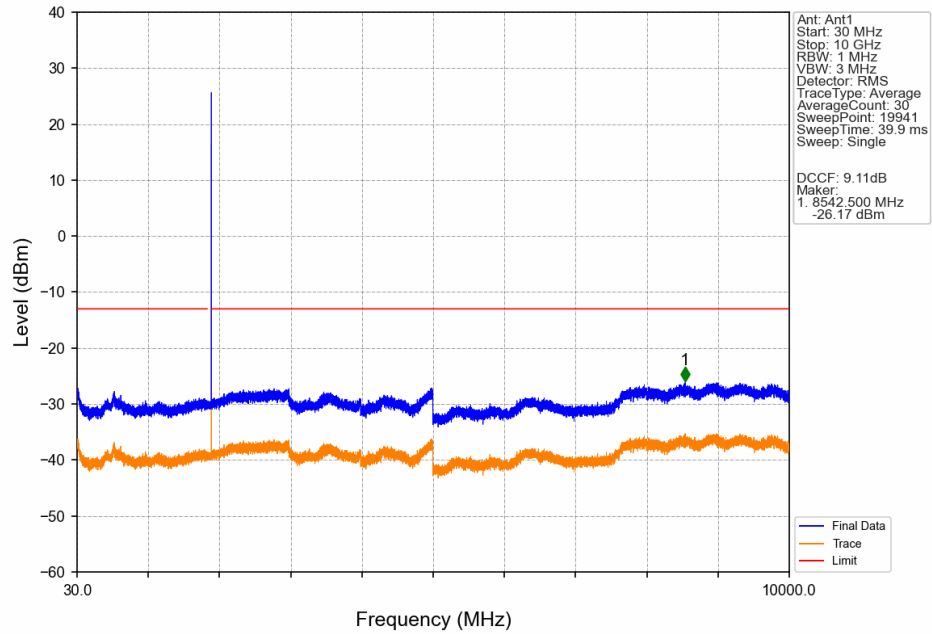
PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



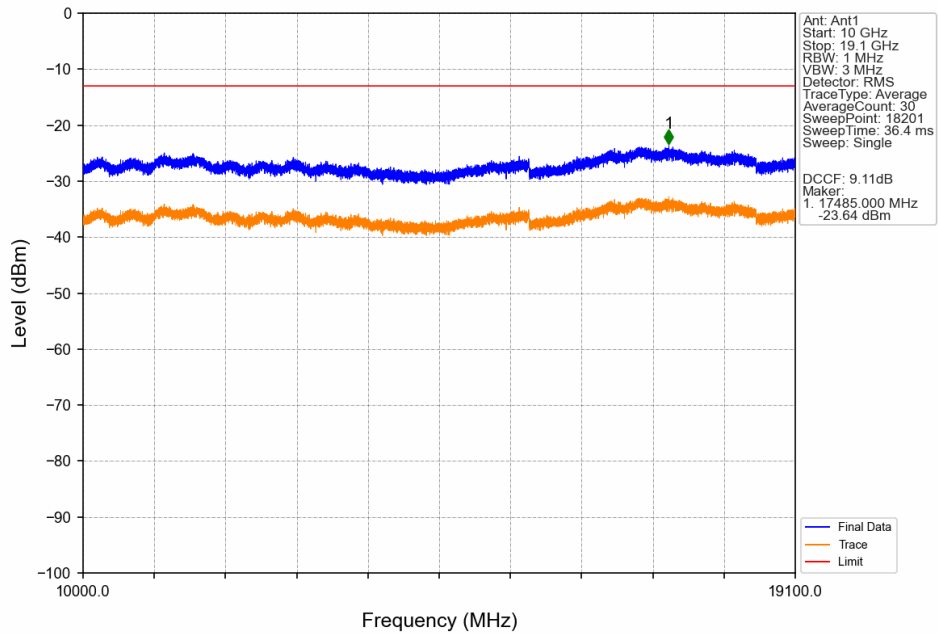


Test Report No.: RF260703B002

PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



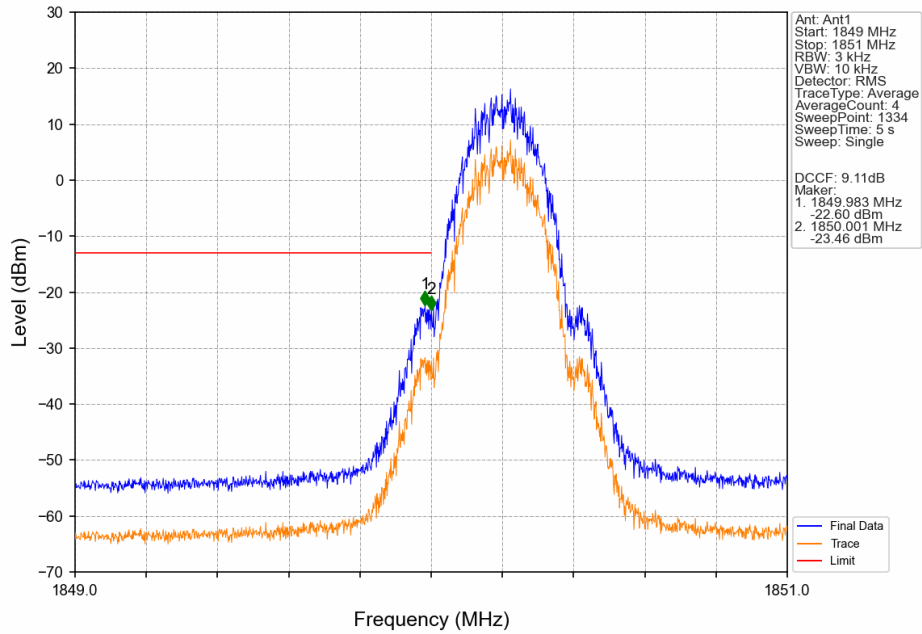
PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



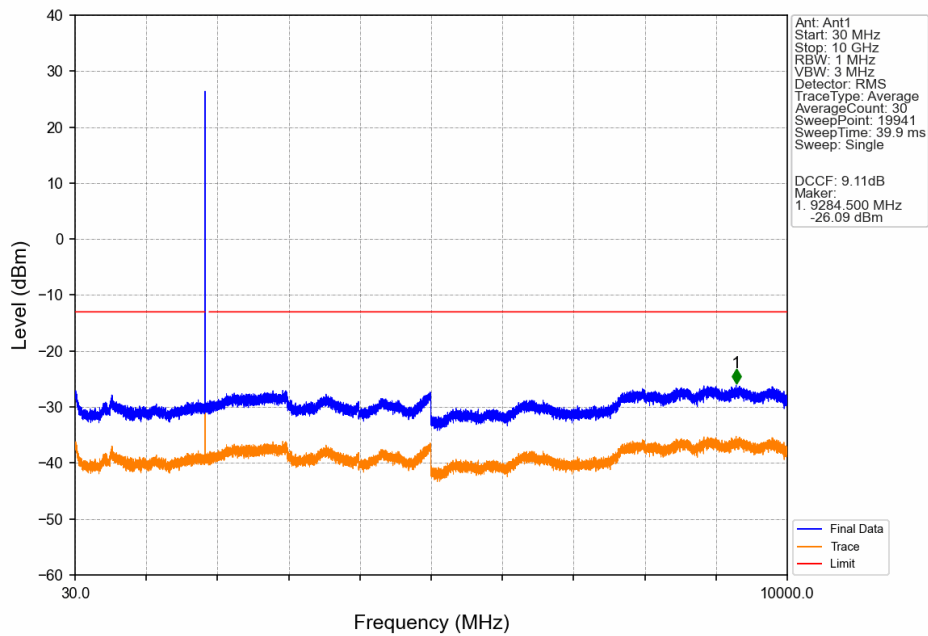


Test Report No.: RF260703B002

PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



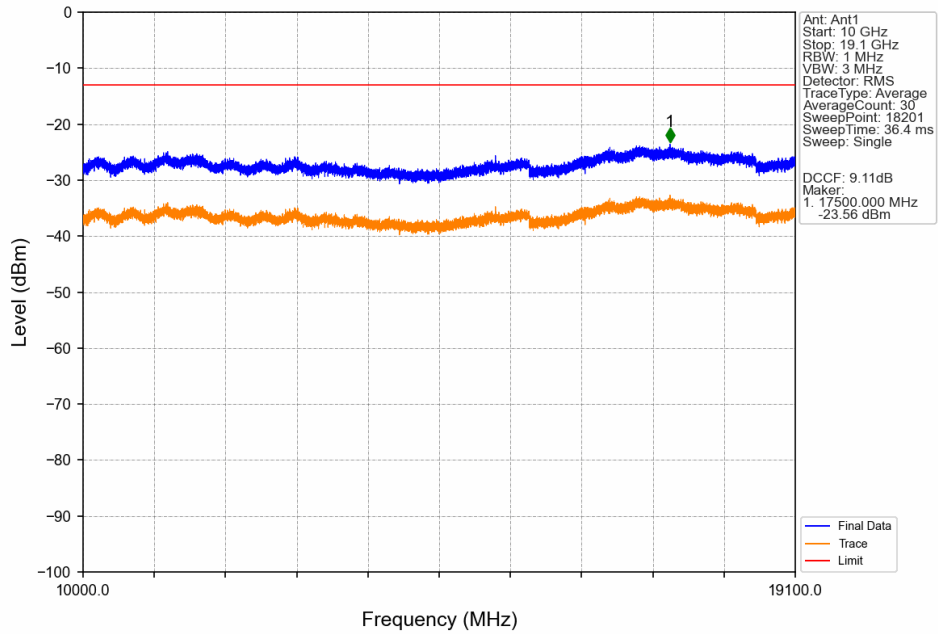
PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



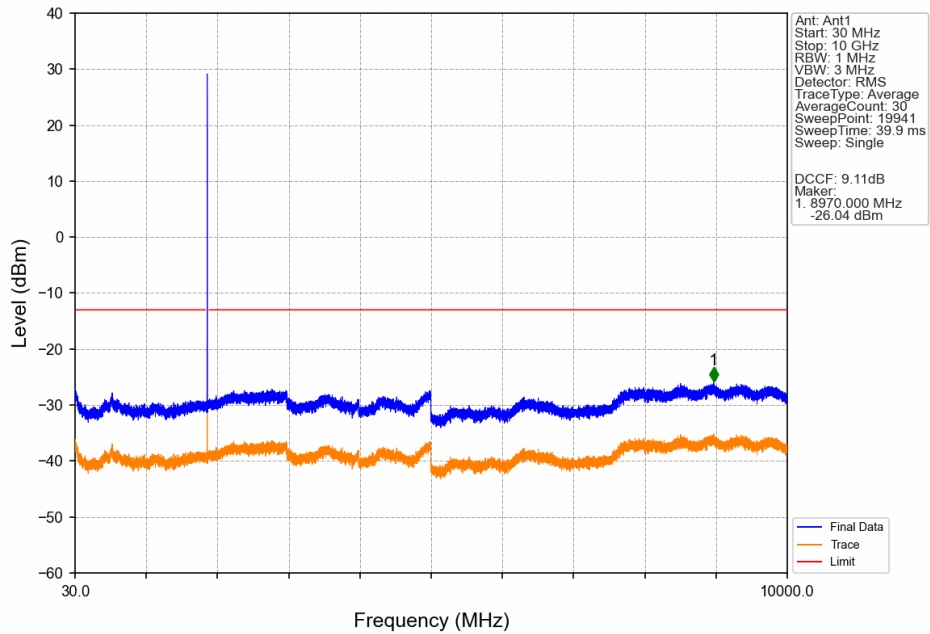


Test Report No.: RF260703B002

PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



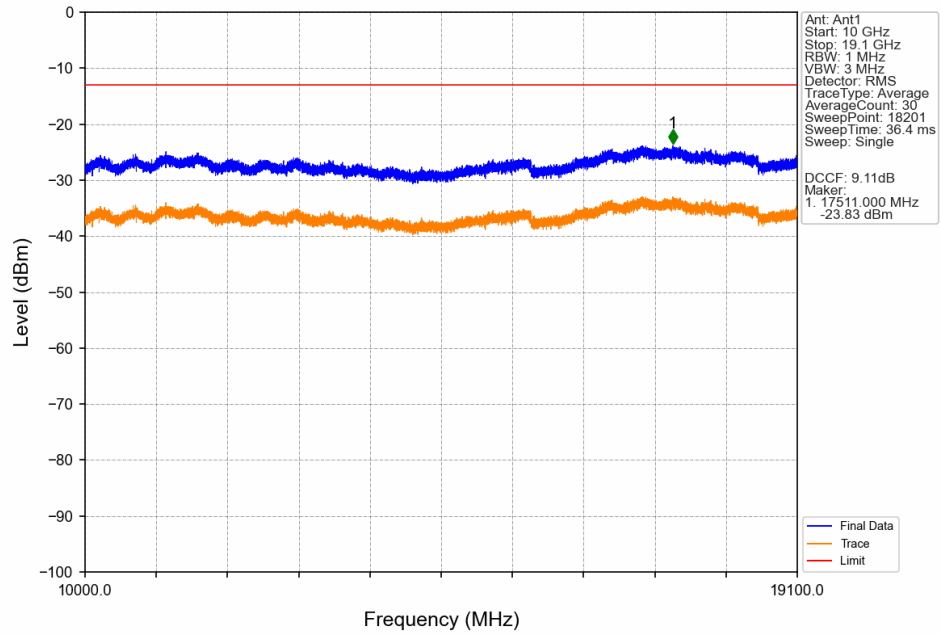
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



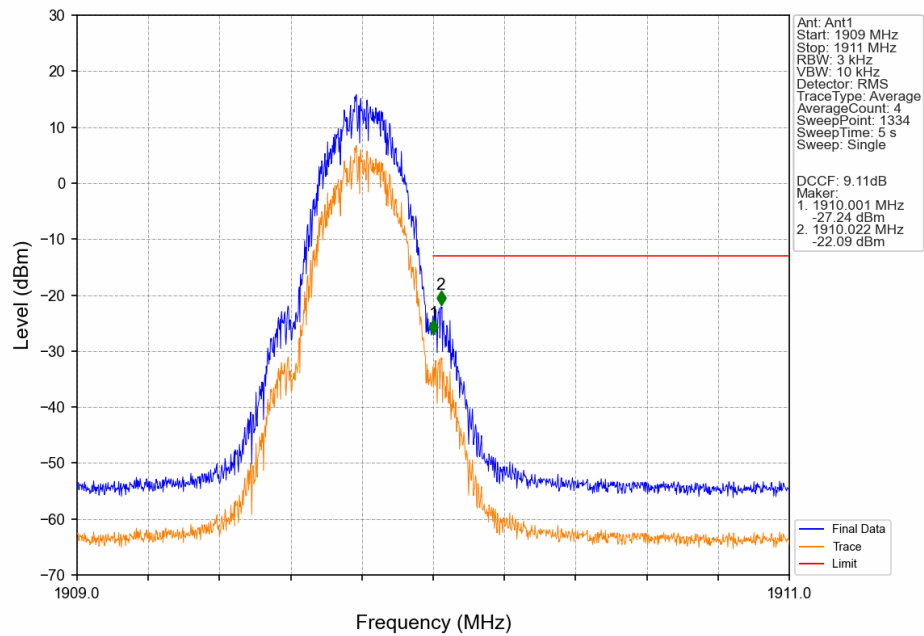


Test Report No.: RF260703B002

PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



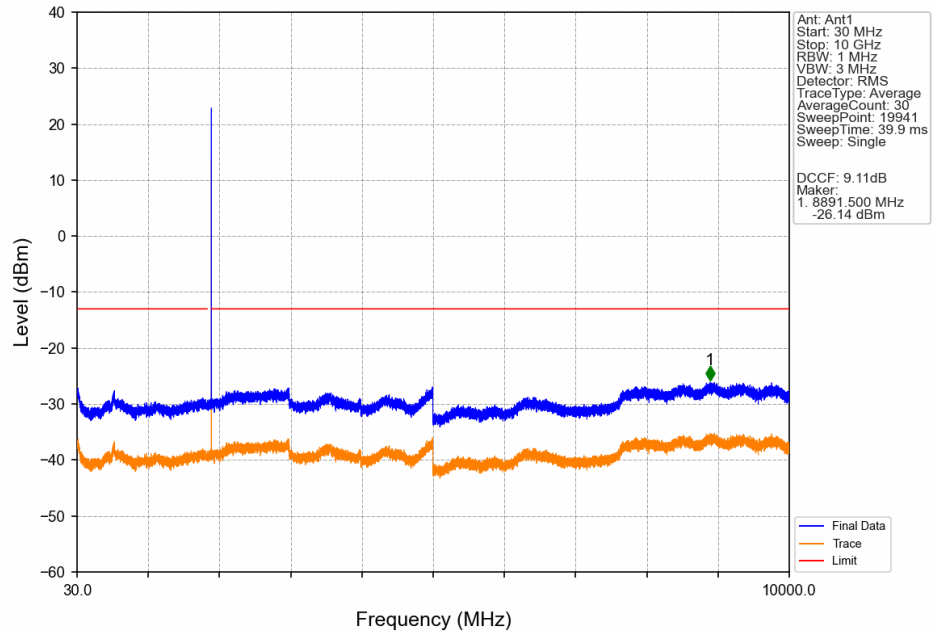
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



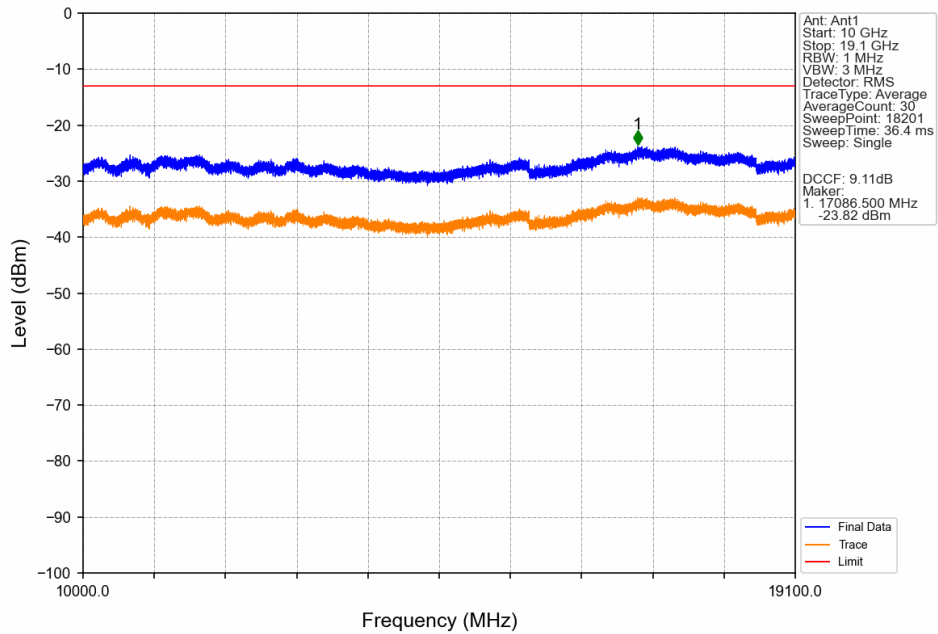


Test Report No.: RF260703B002

PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



FREQUENCY STABILITY

Test Result

Band: PCS1900							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GSM	1850.2	20	3.4	21.373	0.0116	-2.5 to 2.5	Pass
			4	18.048	0.0098	-2.5 to 2.5	Pass
			4.6	20.146	0.0109	-2.5 to 2.5	Pass
		5	4	18.306	0.0099	-2.5 to 2.5	Pass
		15	4	17.144	0.0093	-2.5 to 2.5	Pass
		25	4	21.470	0.0116	-2.5 to 2.5	Pass
		35	4	22.923	0.0124	-2.5 to 2.5	Pass
	1880	20	3.4	21.922	0.0117	-2.5 to 2.5	Pass
			4	14.399	0.0077	-2.5 to 2.5	Pass
			4.6	21.664	0.0115	-2.5 to 2.5	Pass
		5	4	16.950	0.0090	-2.5 to 2.5	Pass
		15	4	18.920	0.0101	-2.5 to 2.5	Pass
		25	4	21.438	0.0114	-2.5 to 2.5	Pass
		35	4	17.370	0.0092	-2.5 to 2.5	Pass
	1909.8	20	3.4	17.660	0.0092	-2.5 to 2.5	Pass
			4	21.987	0.0115	-2.5 to 2.5	Pass
			4.6	22.342	0.0117	-2.5 to 2.5	Pass
		5	4	20.889	0.0109	-2.5 to 2.5	Pass
		15	4	12.010	0.0063	-2.5 to 2.5	Pass
		25	4	11.526	0.0060	-2.5 to 2.5	Pass
		35	4	-12.495	-0.0065	-2.5 to 2.5	Pass
GPRS	1850.2	20	3.4	24.473	0.0132	-2.5 to 2.5	Pass
			4	24.602	0.0133	-2.5 to 2.5	Pass
			4.6	23.892	0.0129	-2.5 to 2.5	Pass
		5	4	23.536	0.0127	-2.5 to 2.5	Pass
		15	4	24.537	0.0133	-2.5 to 2.5	Pass
		25	4	25.022	0.0135	-2.5 to 2.5	Pass
		35	4	25.635	0.0139	-2.5 to 2.5	Pass
	1880	20	3.4	28.638	0.0152	-2.5 to 2.5	Pass
			4	28.089	0.0149	-2.5 to 2.5	Pass
			4.6	30.575	0.0163	-2.5 to 2.5	Pass
		5	4	32.576	0.0173	-2.5 to 2.5	Pass
		15	4	33.836	0.0180	-2.5 to 2.5	Pass
		25	4	35.159	0.0187	-2.5 to 2.5	Pass
		35	4	36.741	0.0195	-2.5 to 2.5	Pass
	1909.8	20	3.4	28.670	0.0150	-2.5 to 2.5	Pass
			4	28.605	0.0150	-2.5 to 2.5	Pass
			4.6	30.187	0.0158	-2.5 to 2.5	Pass
		5	4	30.316	0.0159	-2.5 to 2.5	Pass
		15	4	30.736	0.0161	-2.5 to 2.5	Pass
		25	4	29.897	0.0157	-2.5 to 2.5	Pass
		35	4	31.091	0.0163	-2.5 to 2.5	Pass



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WCDMA BAND2

PEAK-TO-AVERAGE RATIO

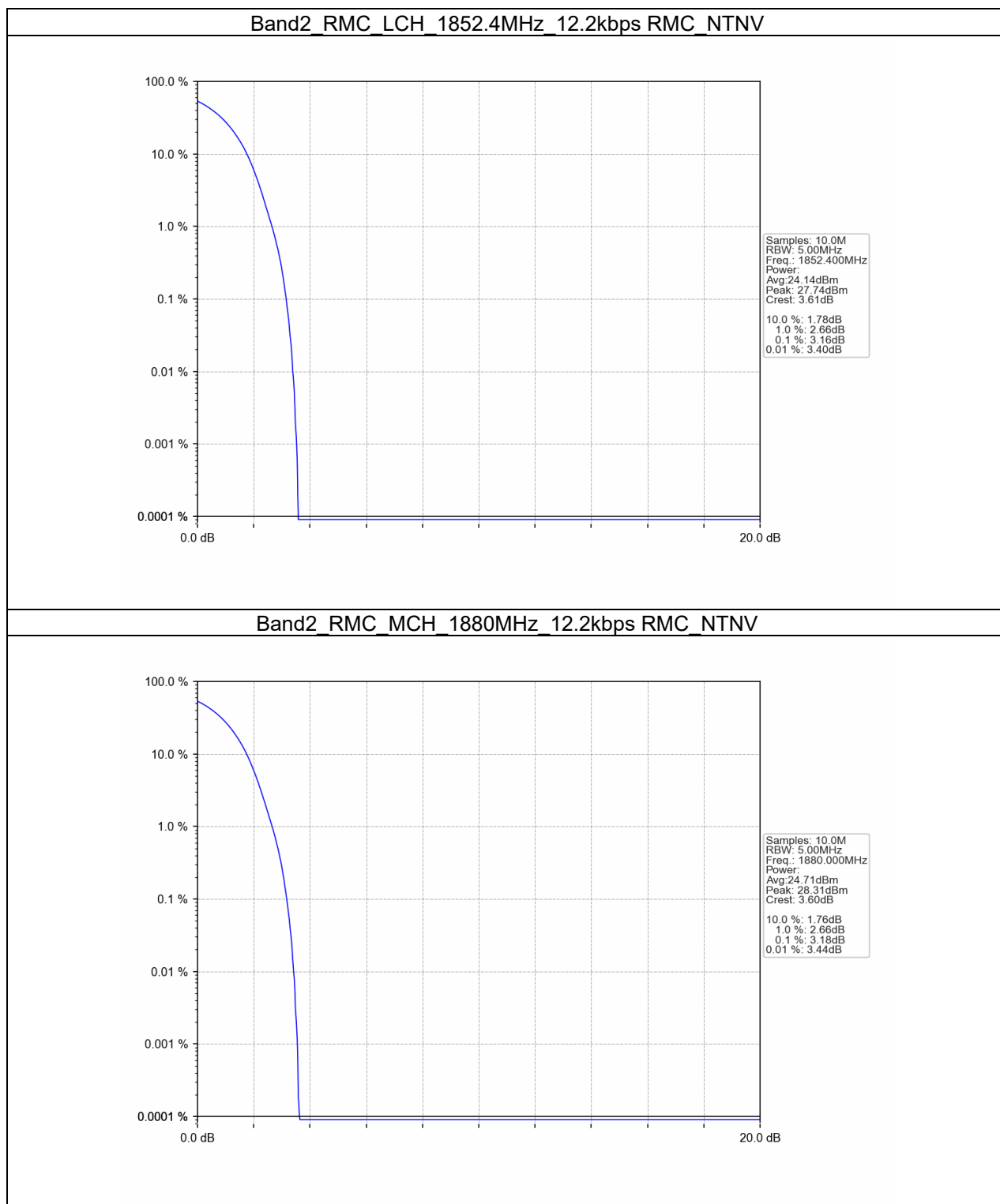
Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.16	<=13	Pass
			1880	3.18	<=13	Pass
			1907.6	3.08	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.92	<=13	Pass
			1880	5.94	<=13	Pass
			1907.6	5.88	<=13	Pass
	HSUPA	Subtest 1	1852.4	7.00	<=13	Pass
			1880	7.06	<=13	Pass
			1907.6	6.86	<=13	Pass



Test Report No.: RF260703B002

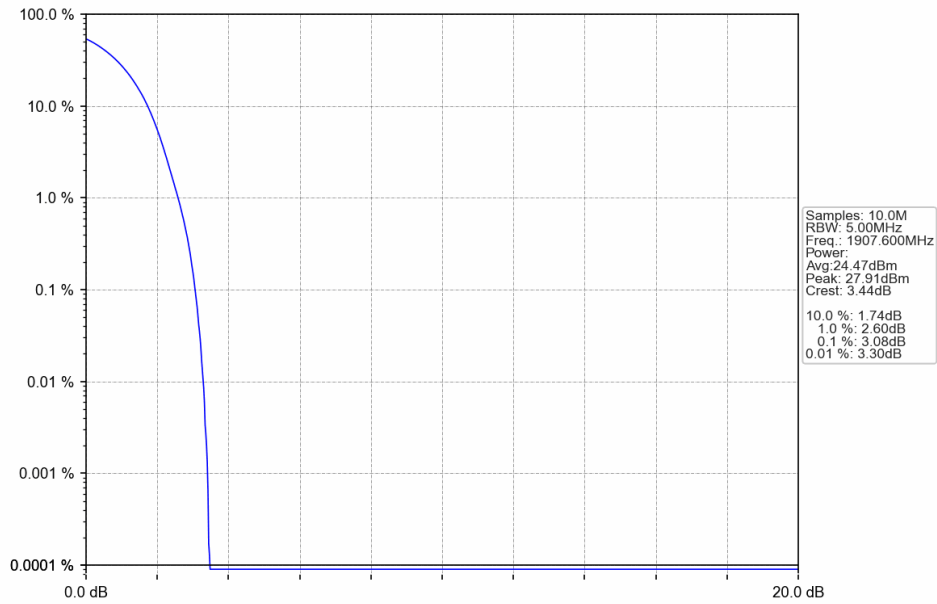
Test Graphs



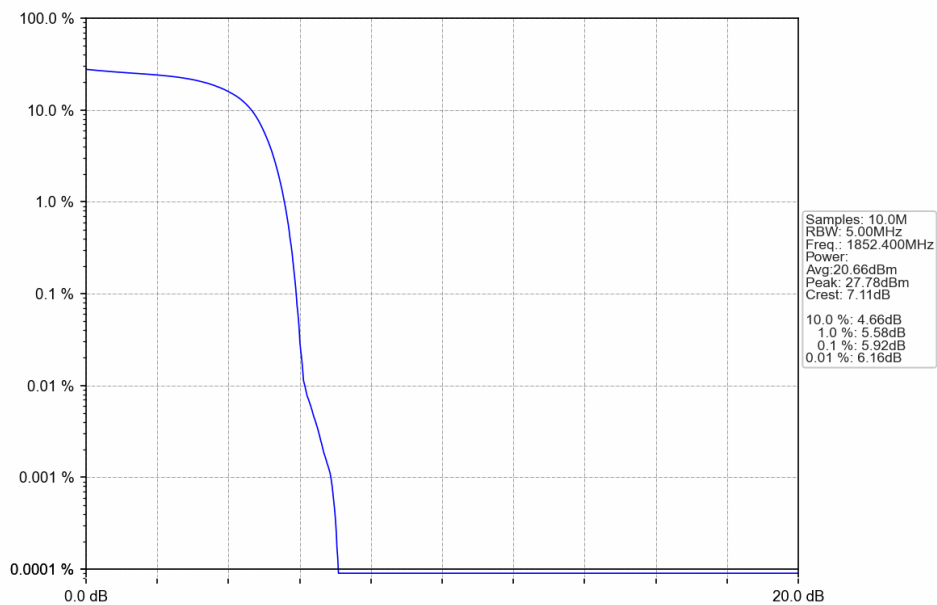


Test Report No.: RF260703B002

Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



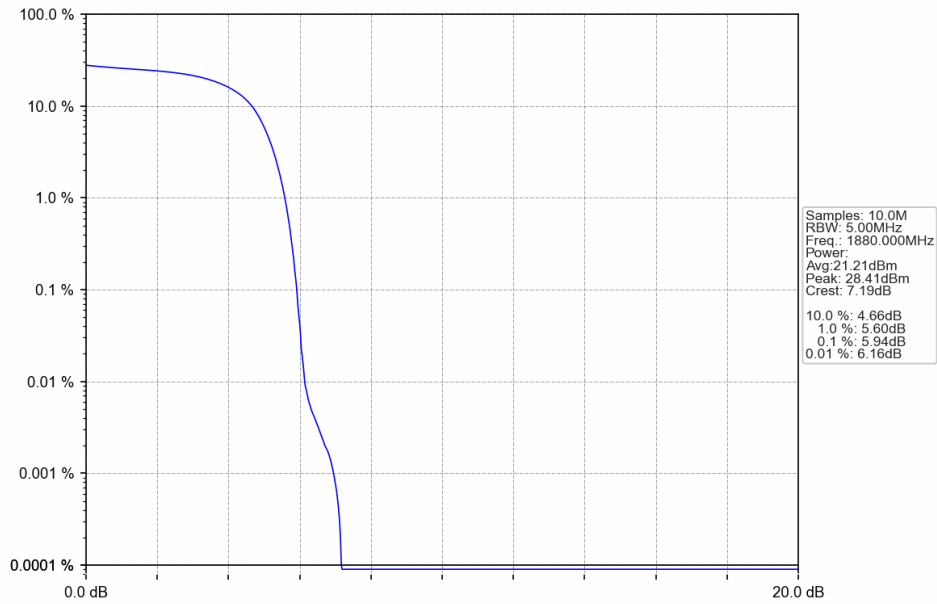
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



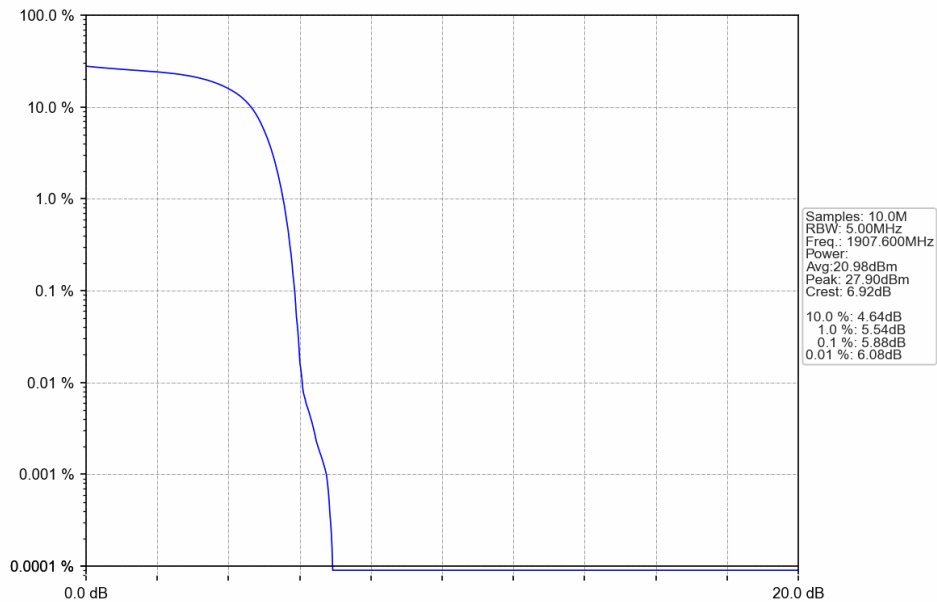


Test Report No.: RF260703B002

Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



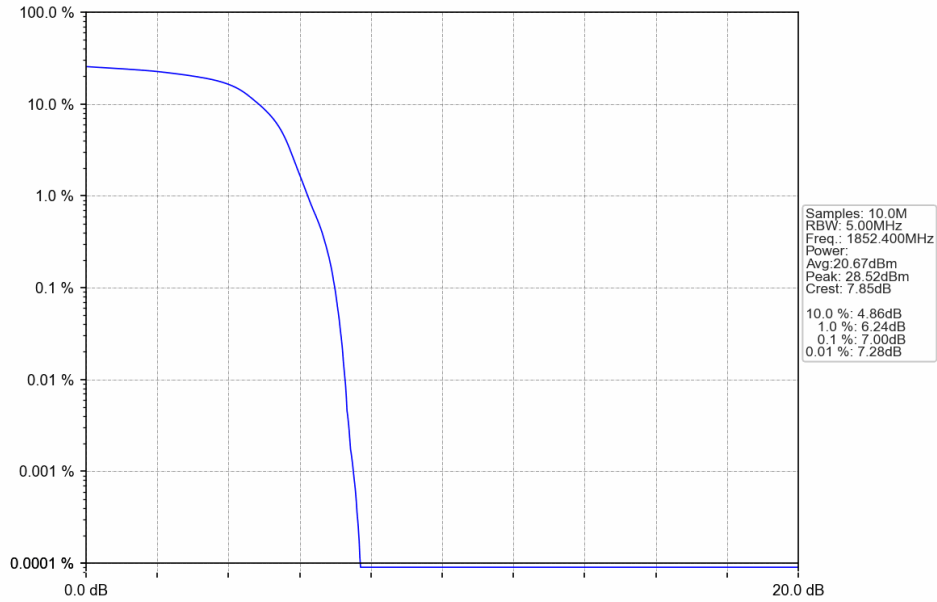
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



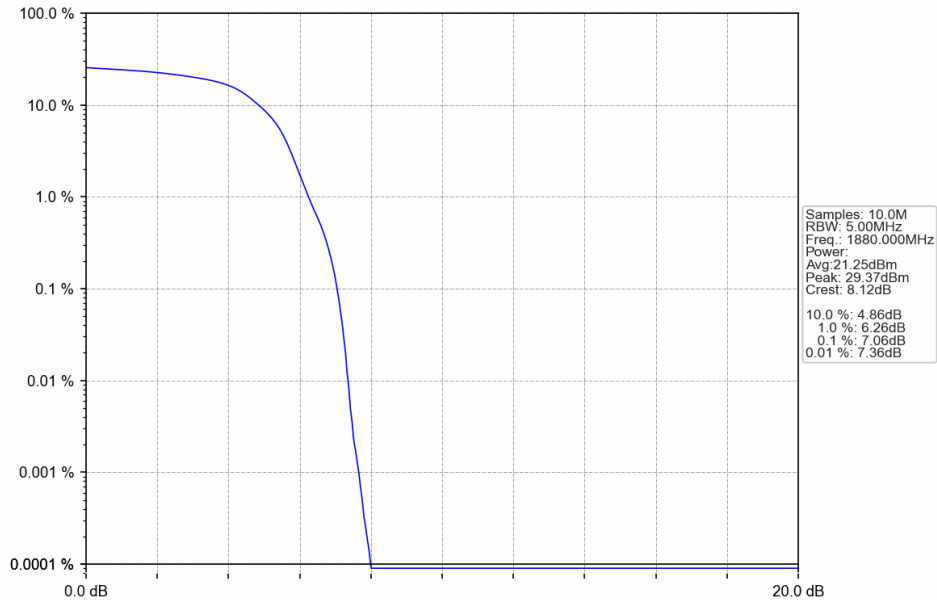


Test Report No.: RF260703B002

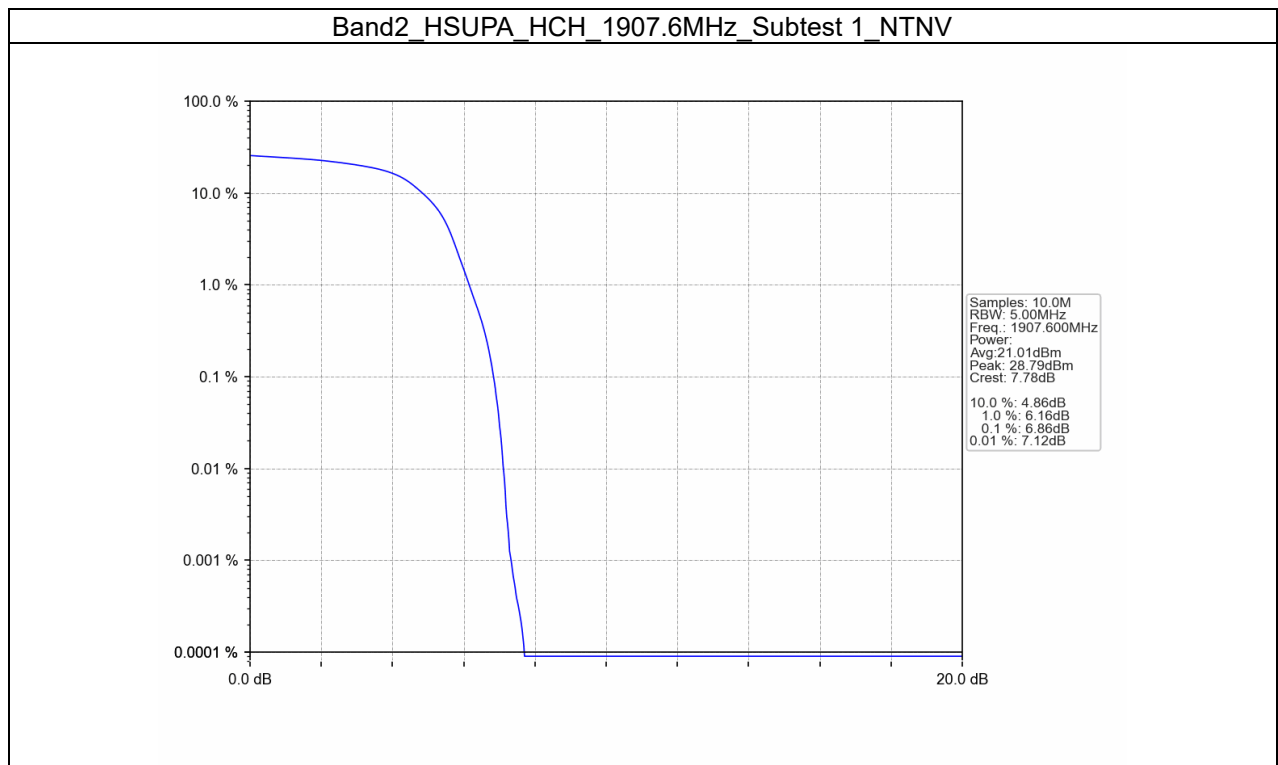
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Test Report No.: RF260703B002





Test Report No.: RF260703B002

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band2_OBW

Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.151	/	Pass
			1880	4.169	/	Pass
			1907.6	4.152	/	Pass
	HSDPA	Subtest 1	1852.4	4.159	/	Pass
			1880	4.158	/	Pass
			1907.6	4.172	/	Pass
	HSUPA	Subtest 1	1852.4	4.170	/	Pass
			1880	4.160	/	Pass
			1907.6	4.153	/	Pass

Band2_26DB

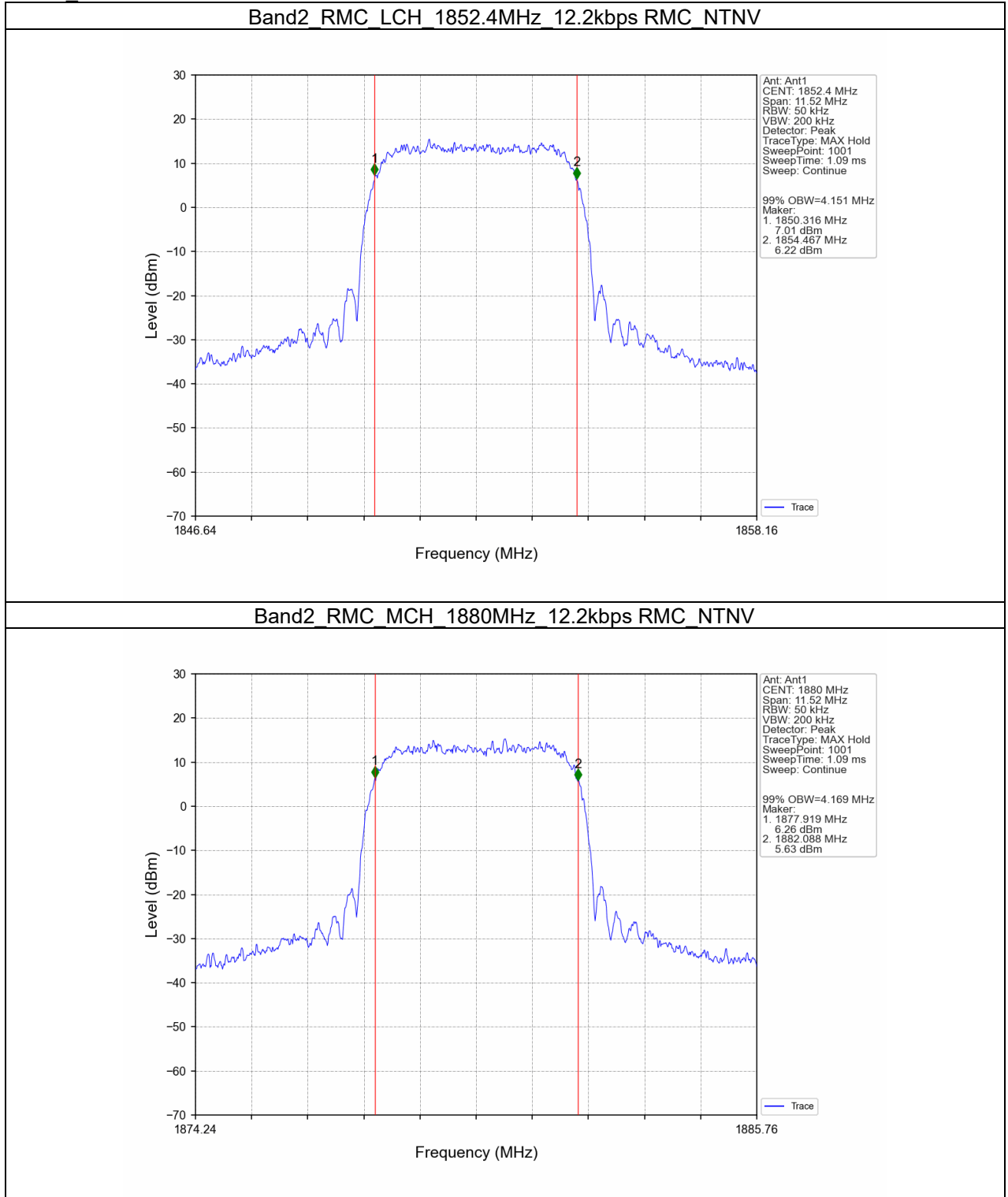
Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.717	/	Pass
			1880	4.717	/	Pass
			1907.6	4.711	/	Pass
	HSDPA	Subtest 1	1852.4	4.691	/	Pass
			1880	4.730	/	Pass
			1907.6	4.735	/	Pass
	HSUPA	Subtest 1	1852.4	4.711	/	Pass
			1880	4.710	/	Pass
			1907.6	4.729	/	Pass



Test Report No.: RF260703B002

Test Graphs

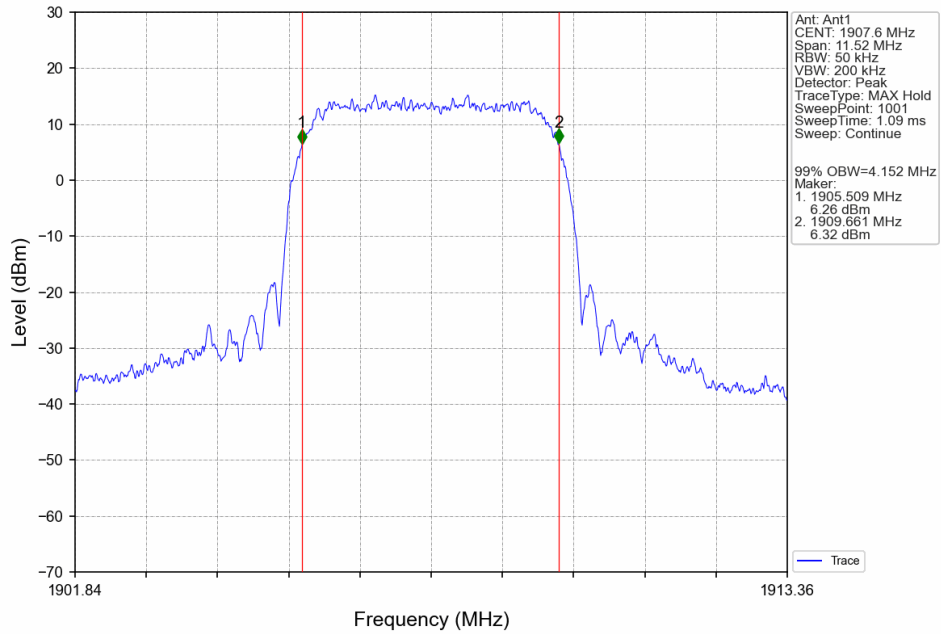
Band2_OBW



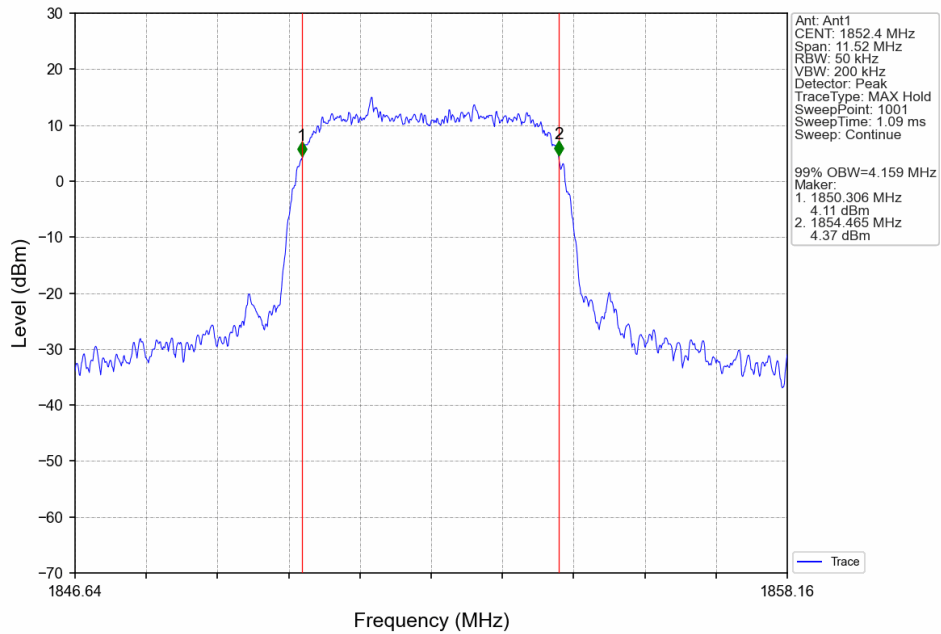


Test Report No.: RF260703B002

Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



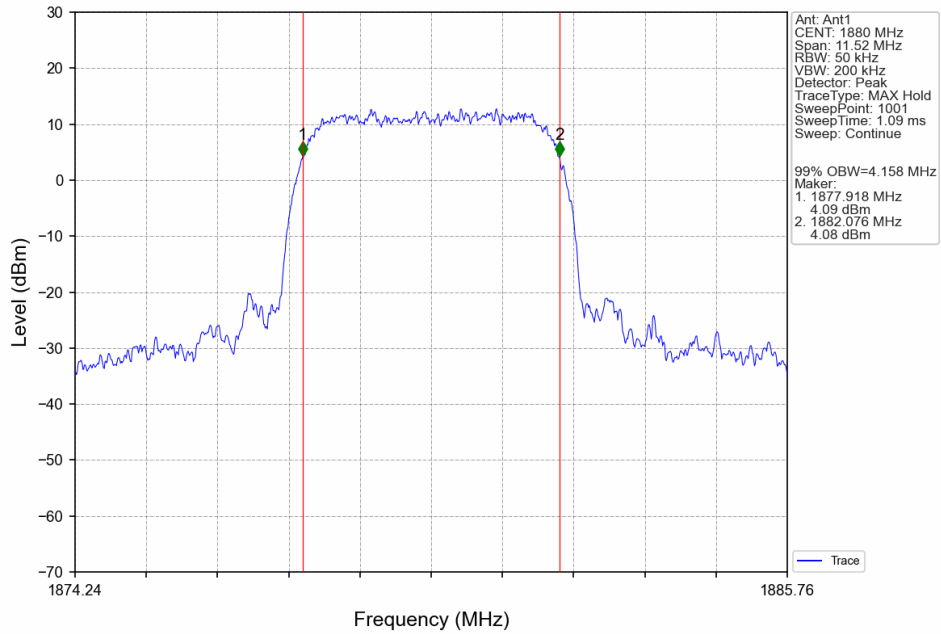
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



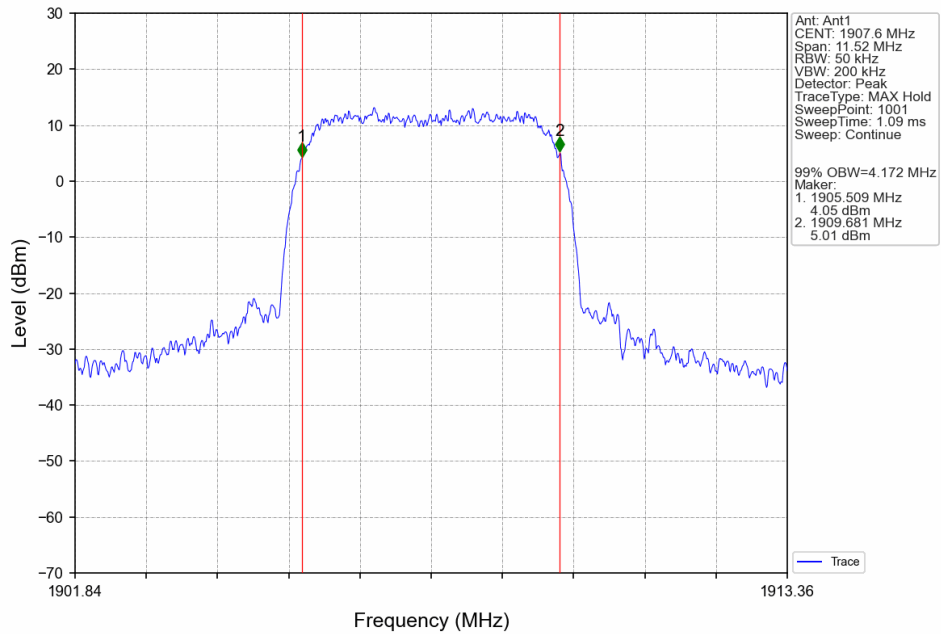


Test Report No.: RF260703B002

Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



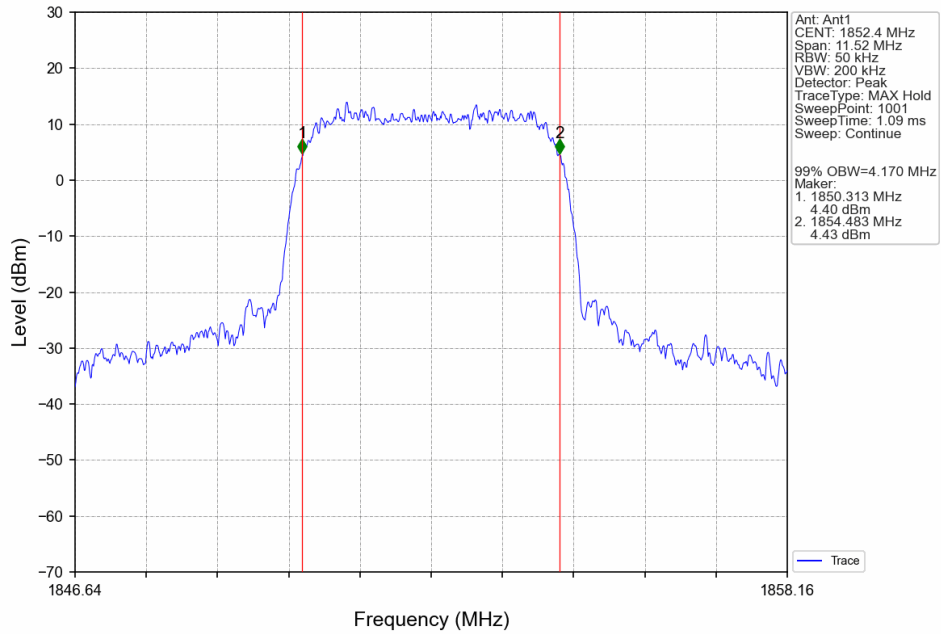
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



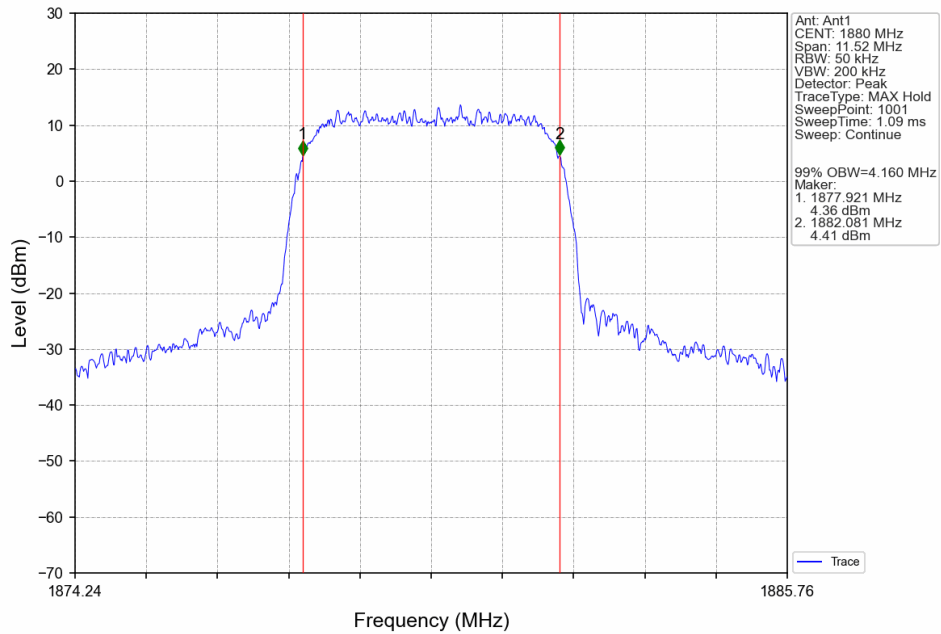


Test Report No.: RF260703B002

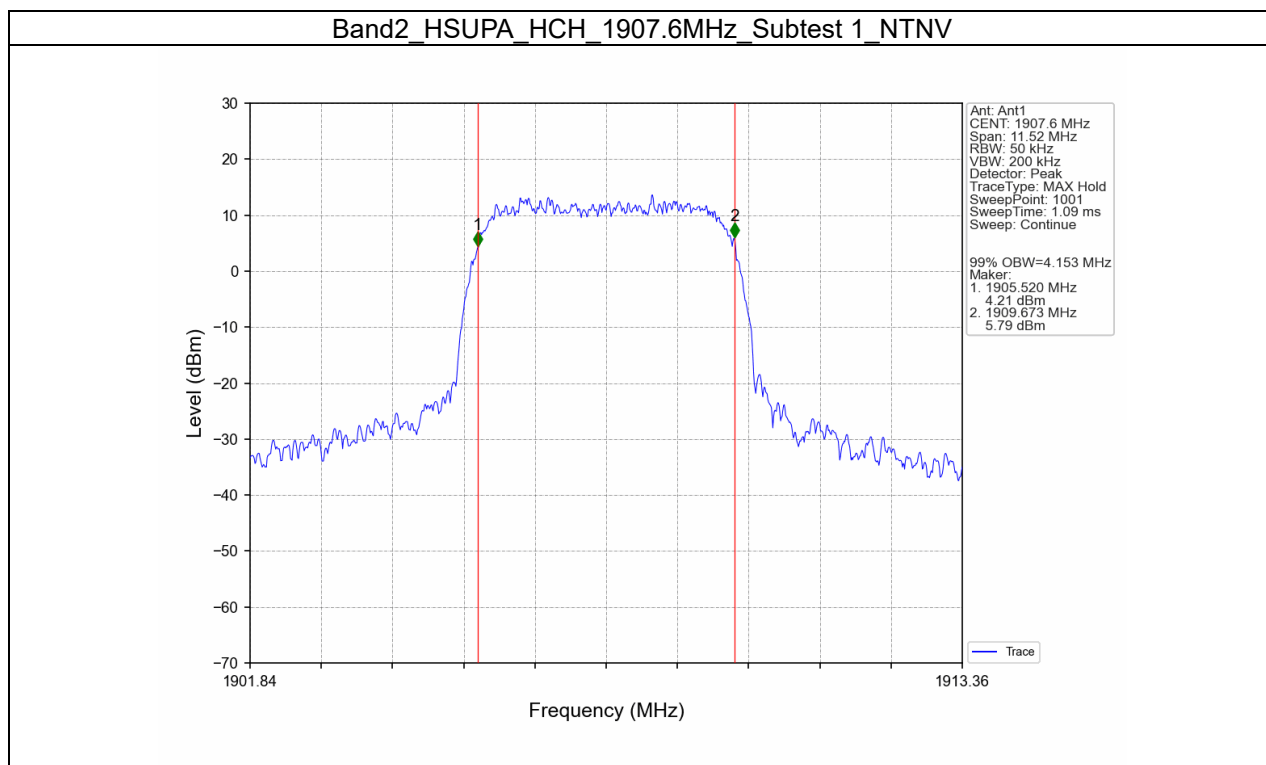
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



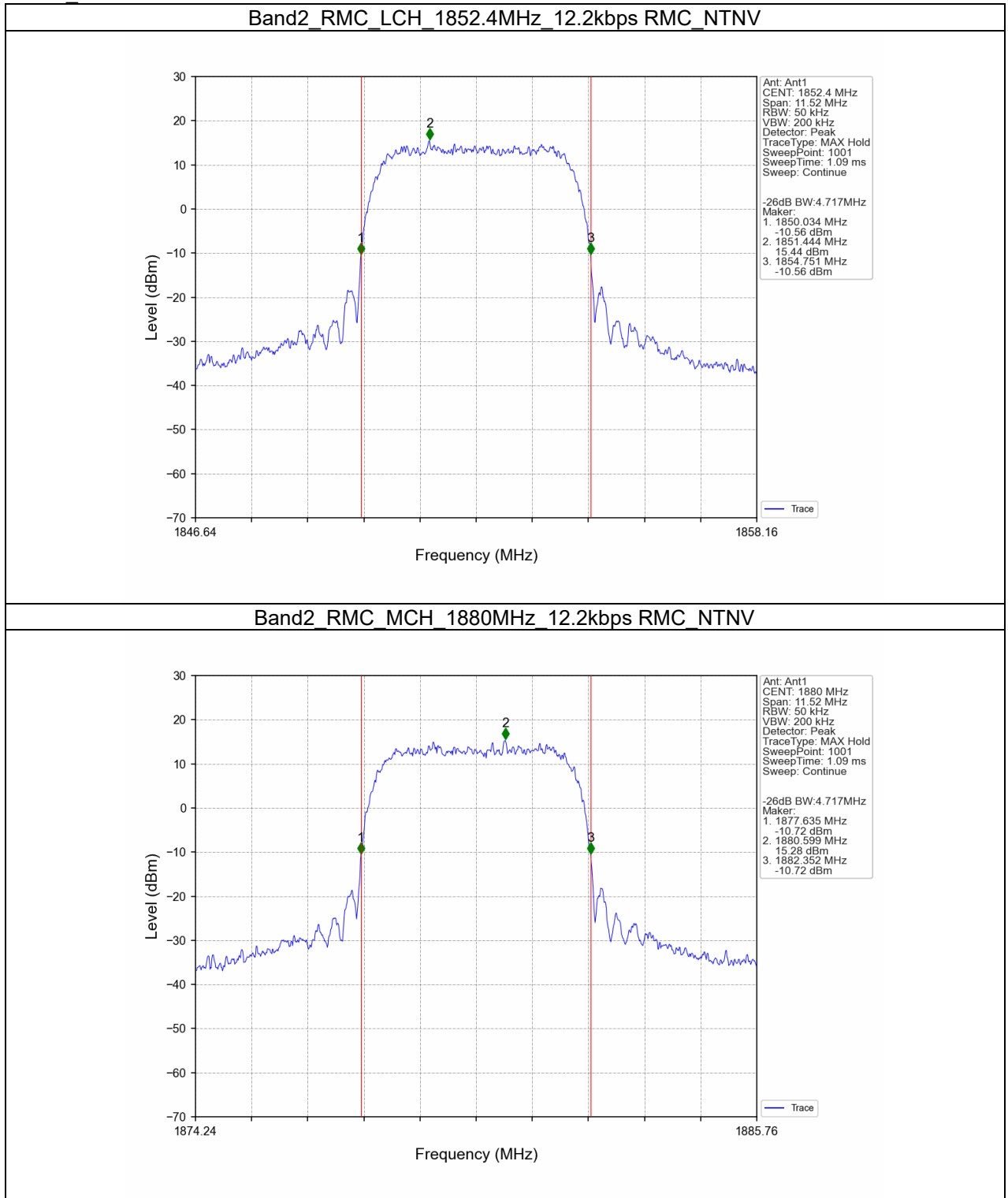
Test Report No.: RF260703B002





Test Report No.: RF260703B002

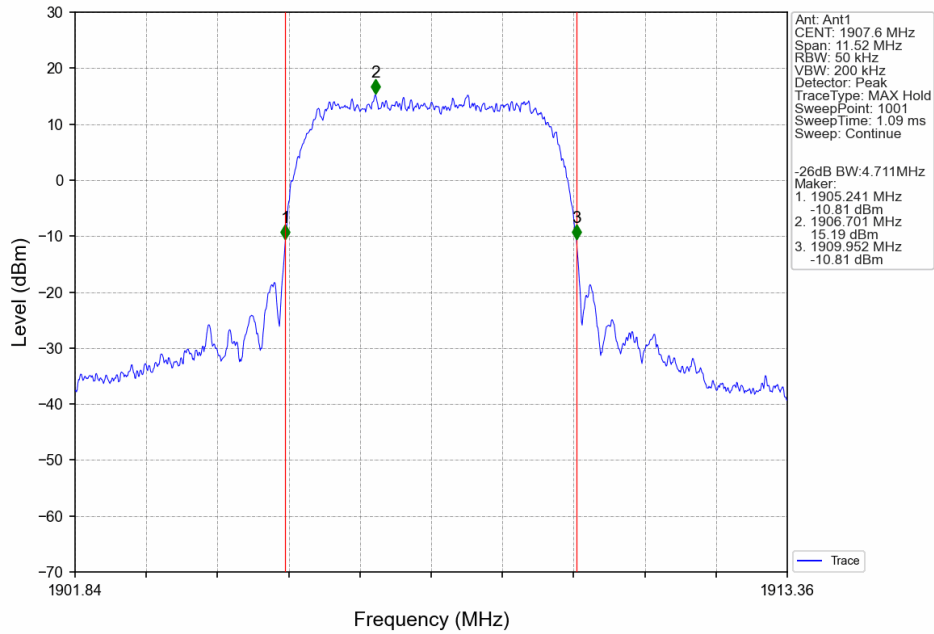
Band2_XDB



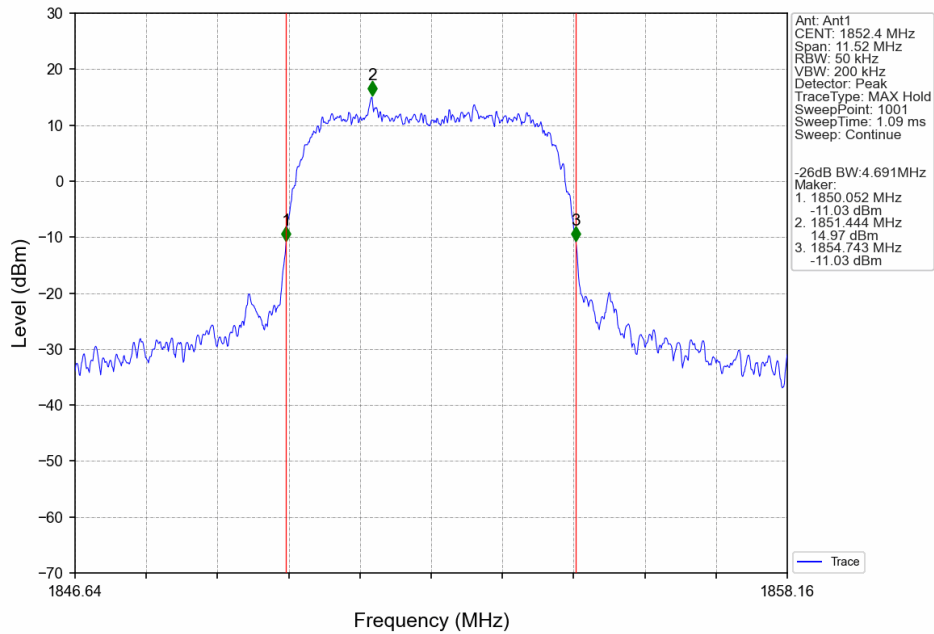


Test Report No.: RF260703B002

Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



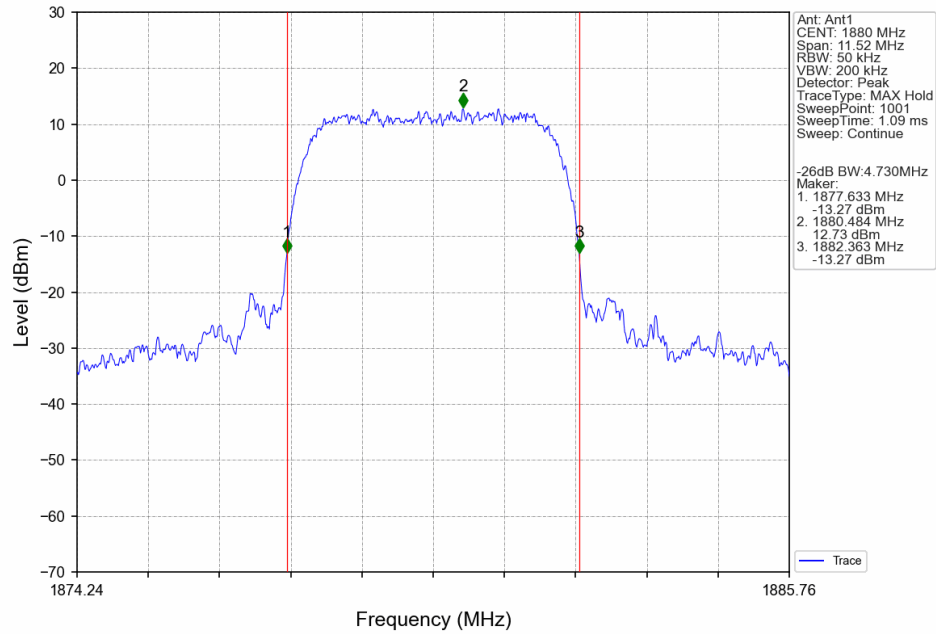
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



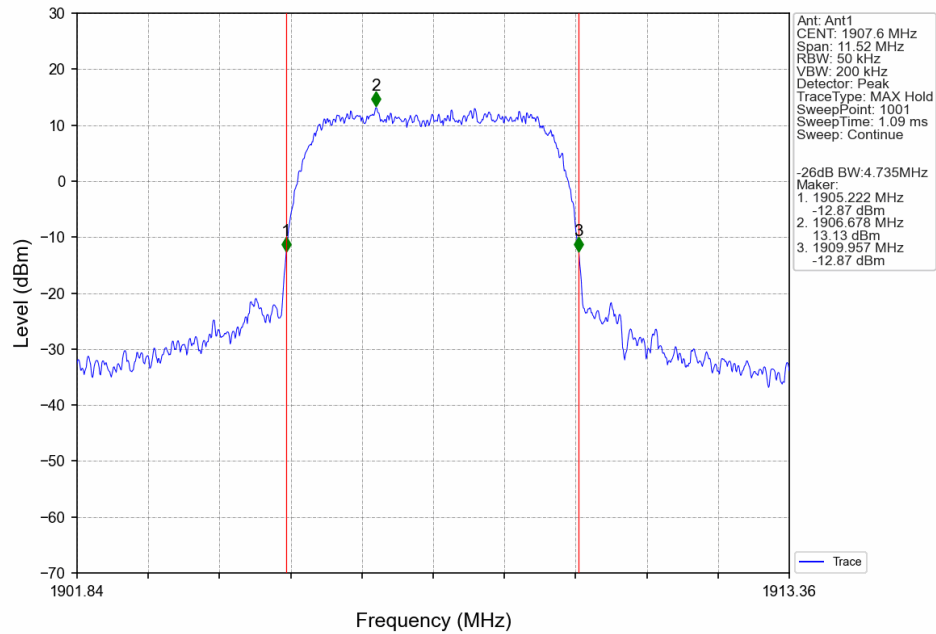


Test Report No.: RF260703B002

Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



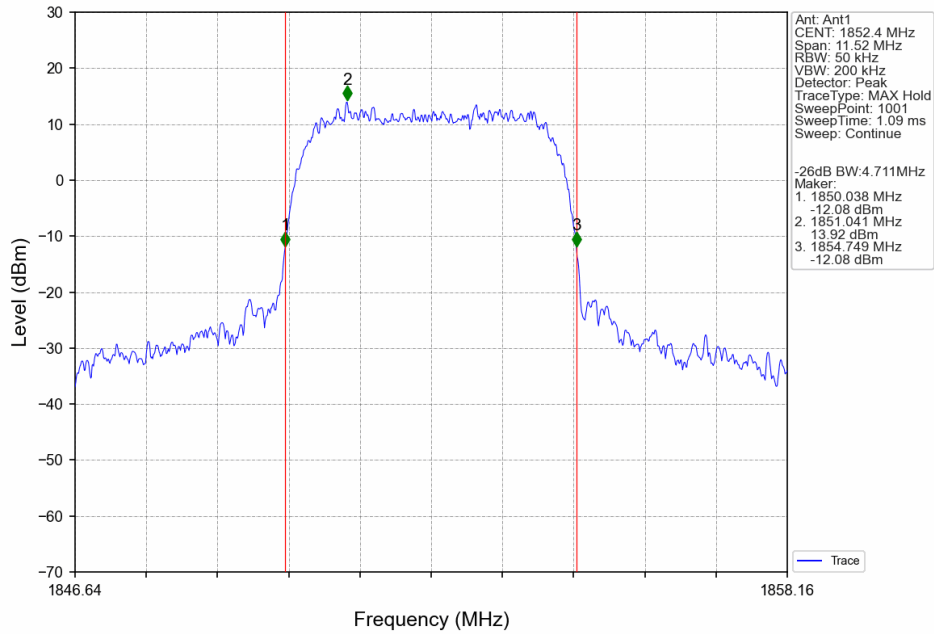
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



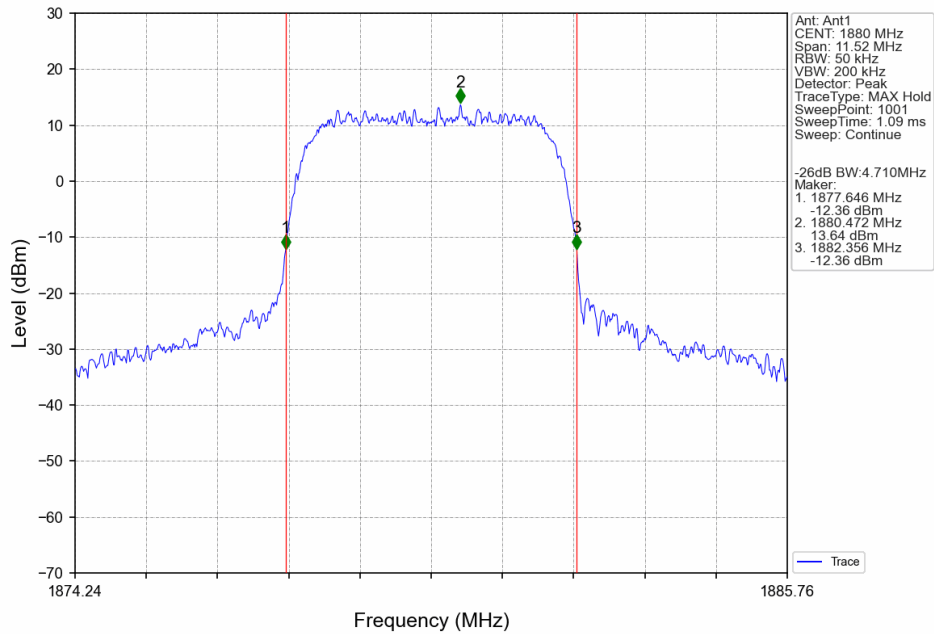


Test Report No.: RF260703B002

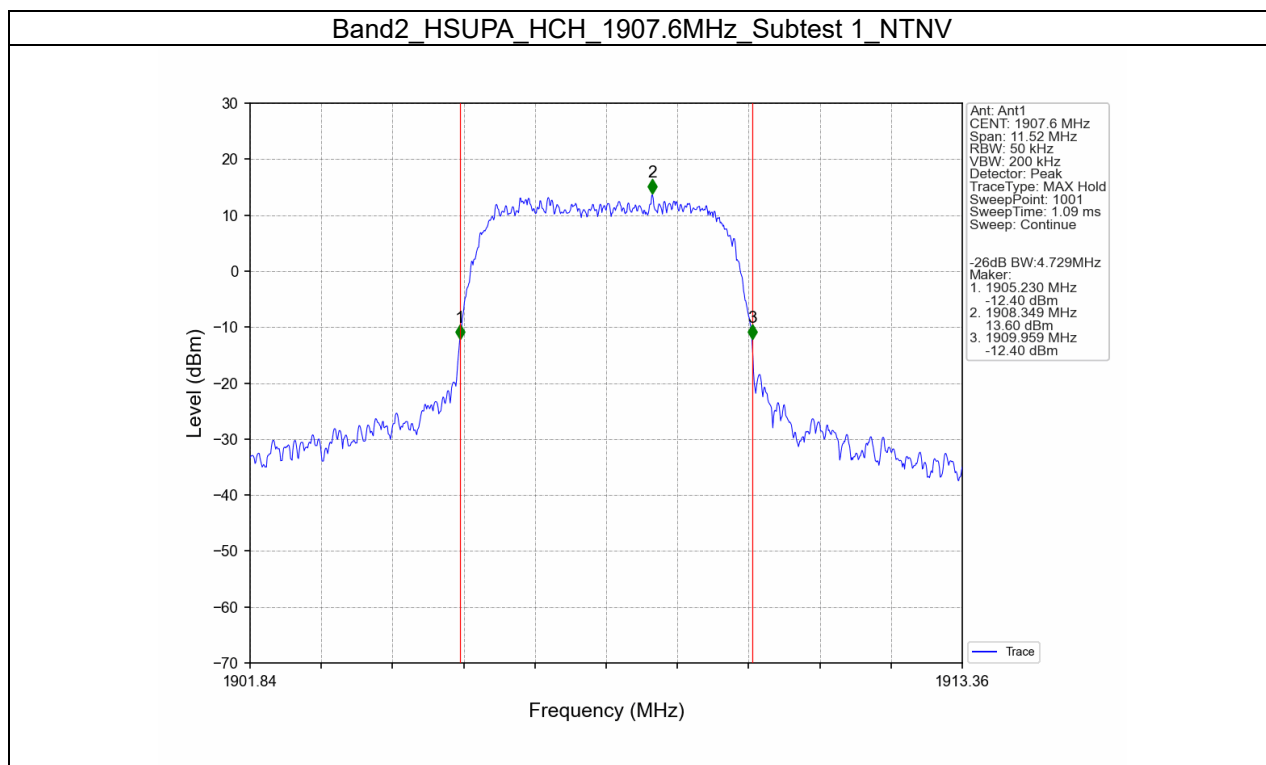
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Test Report No.: RF260703B002





Test Report No.: RF260703B002

BAND EDGE AND SPURIOUS EMISSION

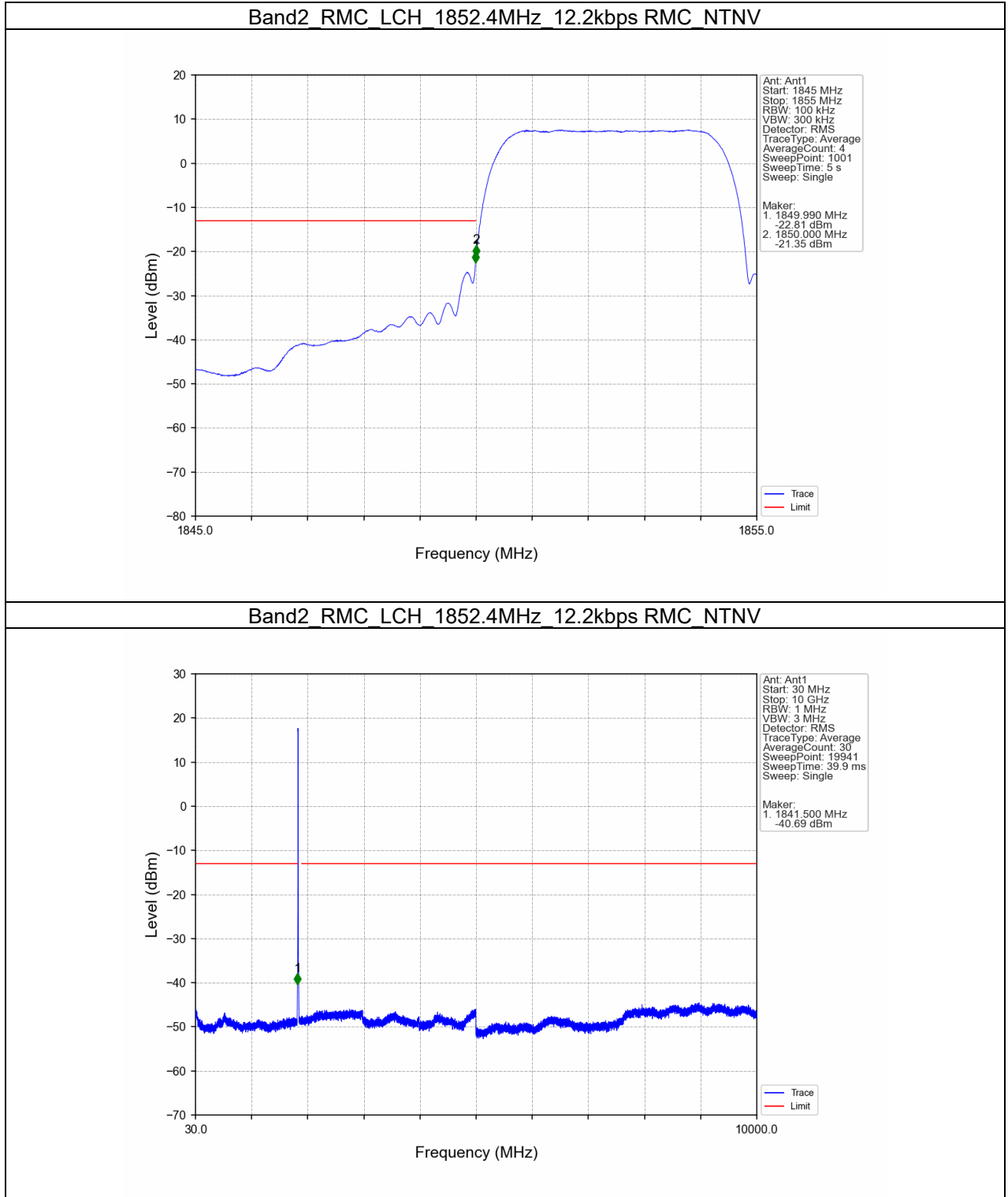
Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass



Test Report No.: RF260703B002

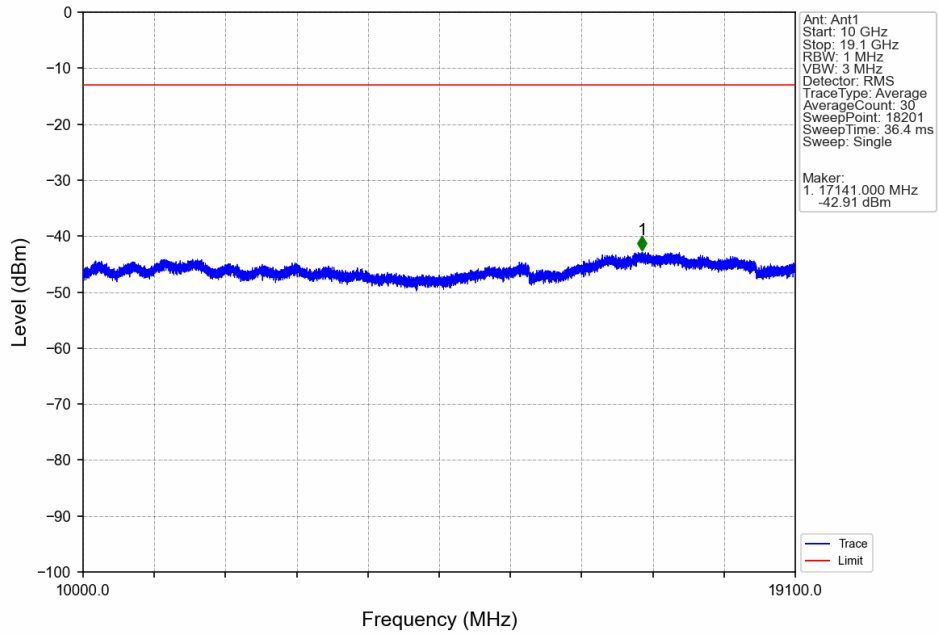
Test Graphs



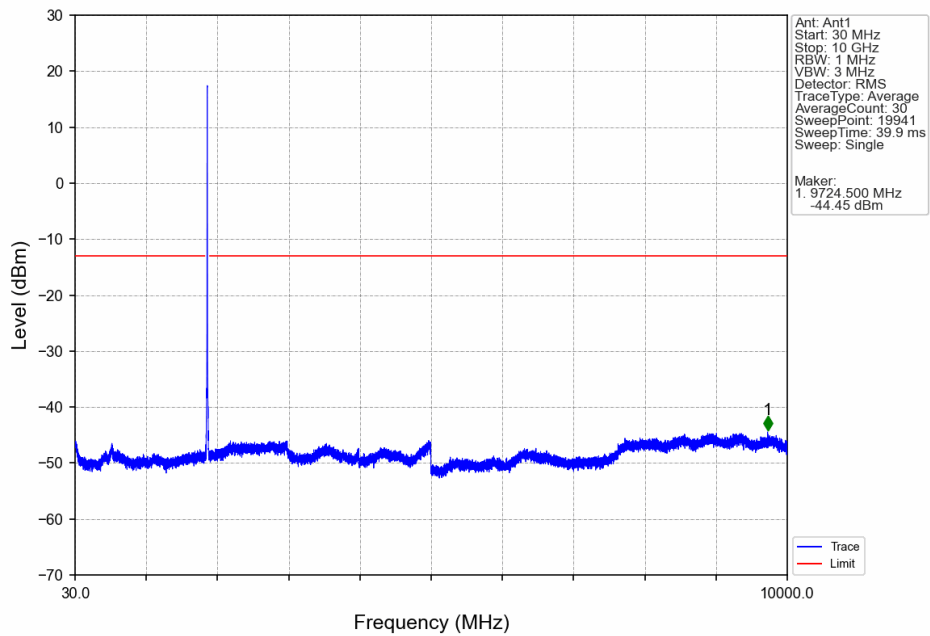


Test Report No.: RF260703B002

Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



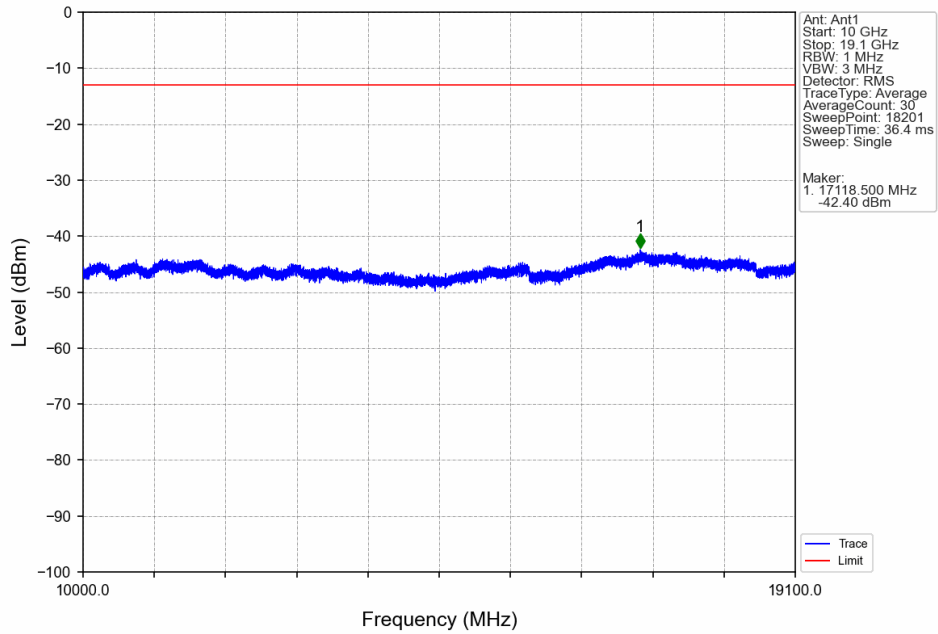
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



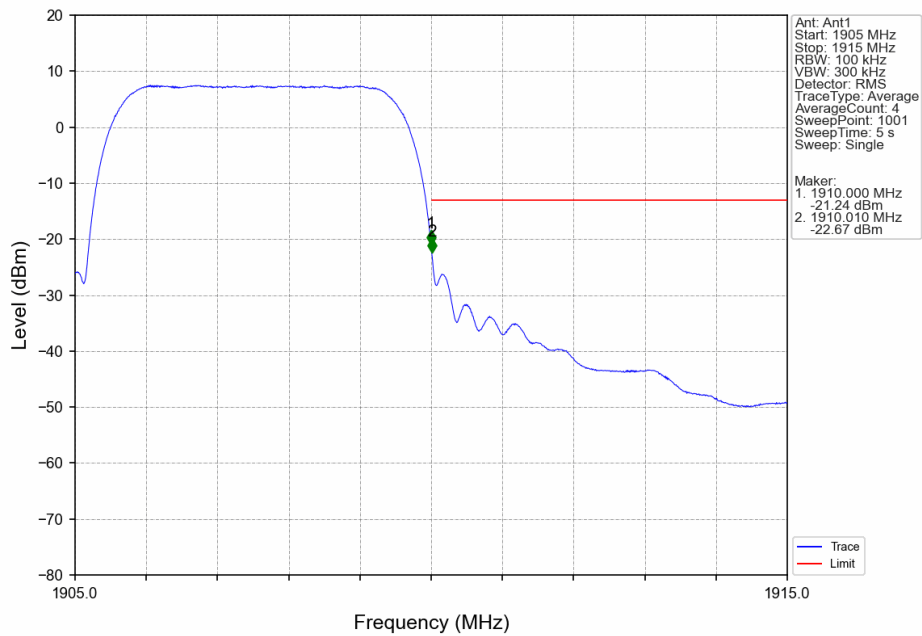


Test Report No.: RF260703B002

Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



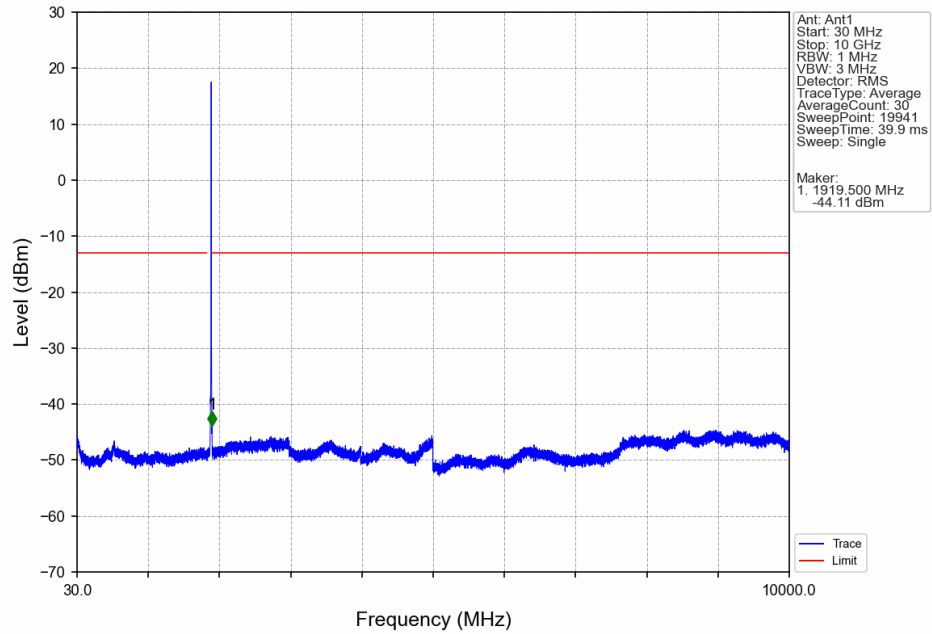
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



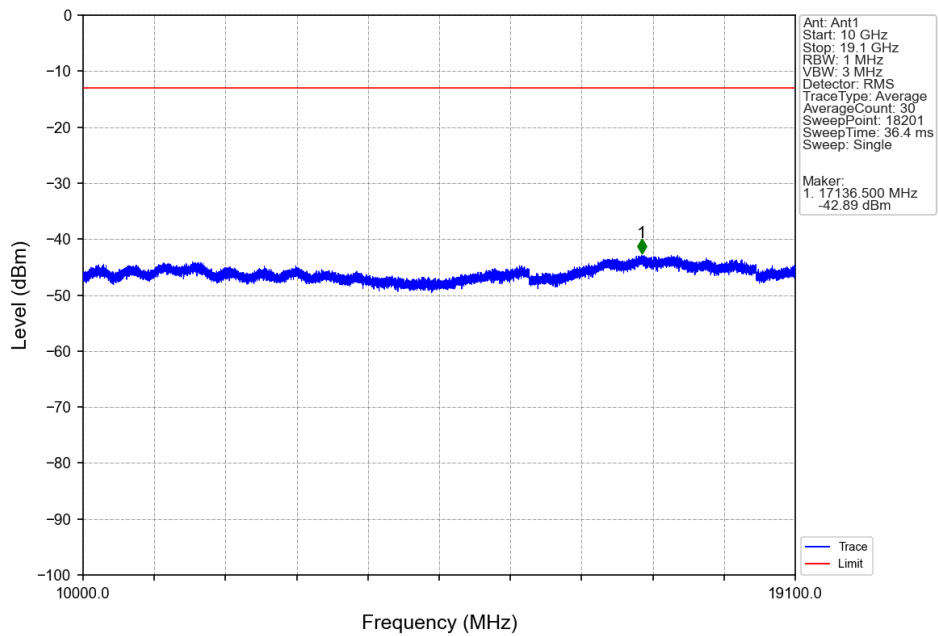


Test Report No.: RF260703B002

Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



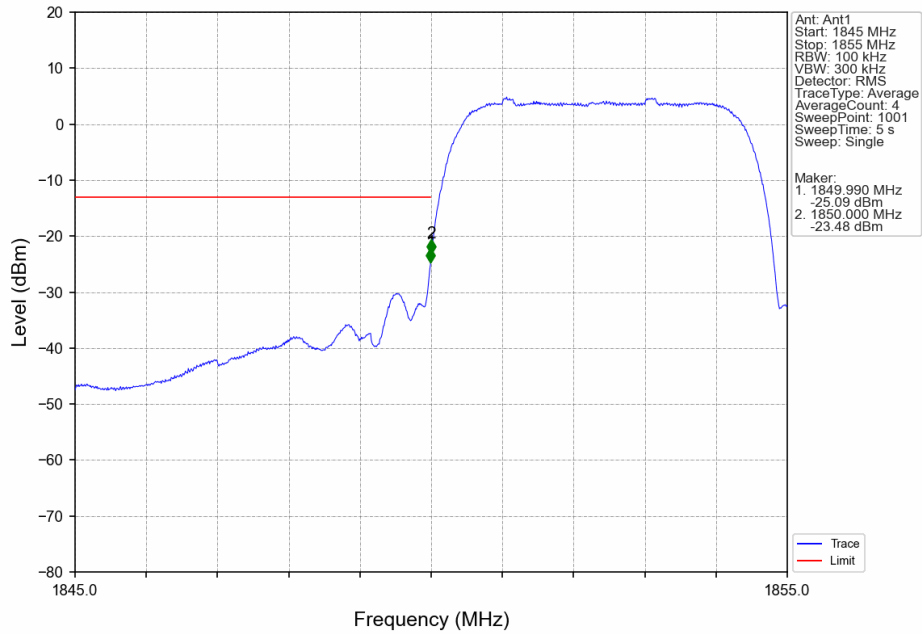
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



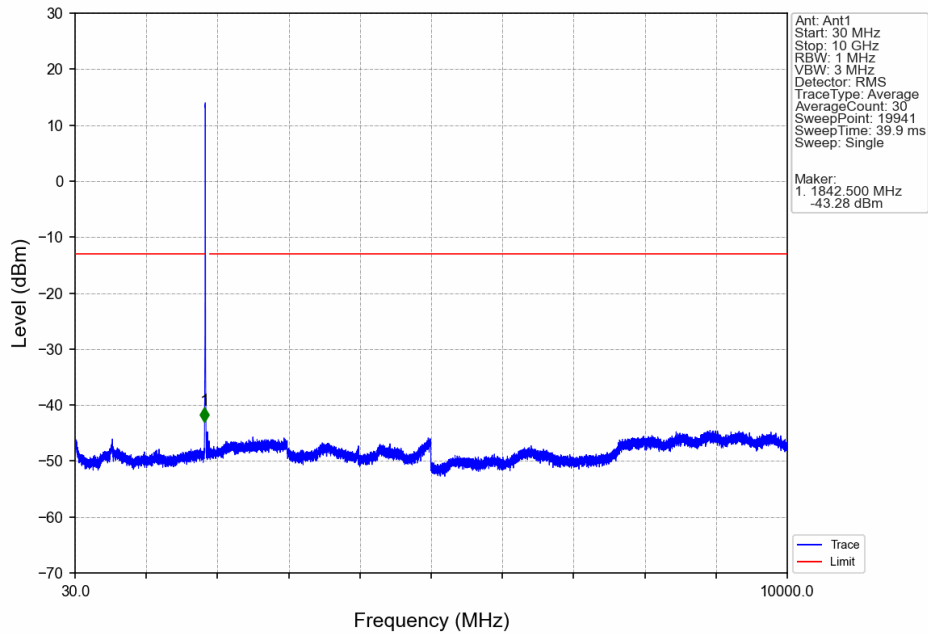


Test Report No.: RF260703B002

Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



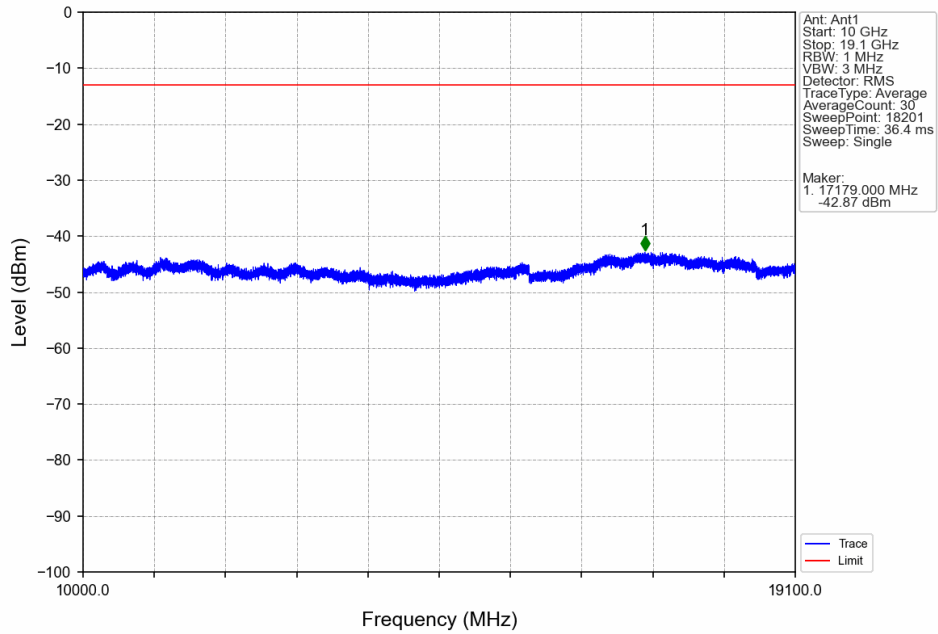
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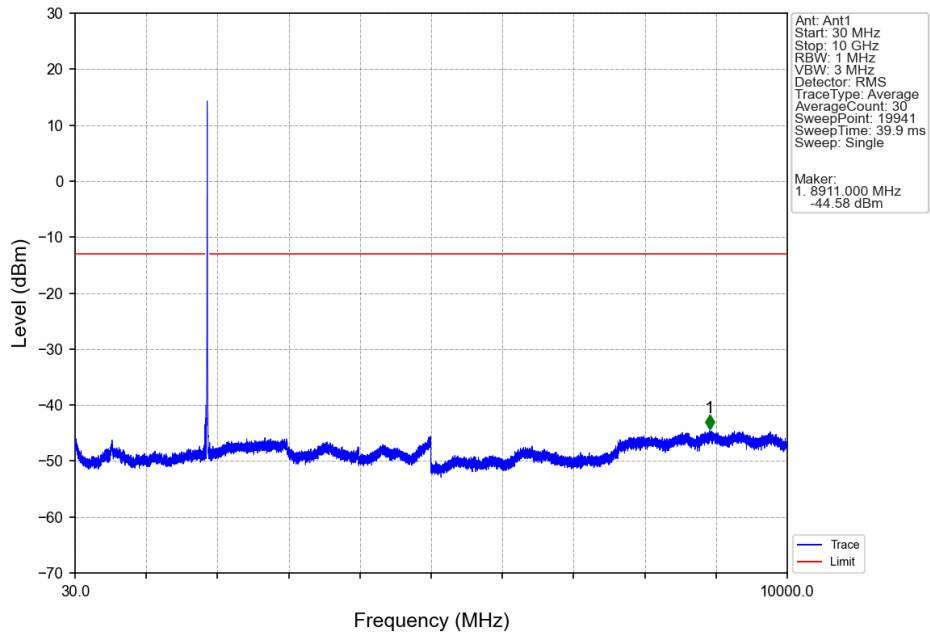


Test Report No.: RF260703B002

Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



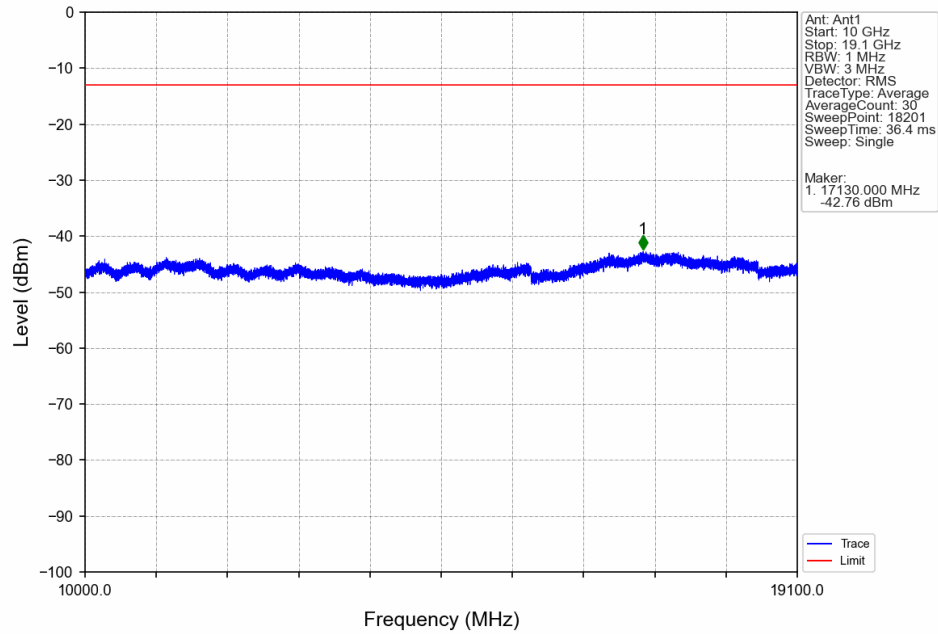
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



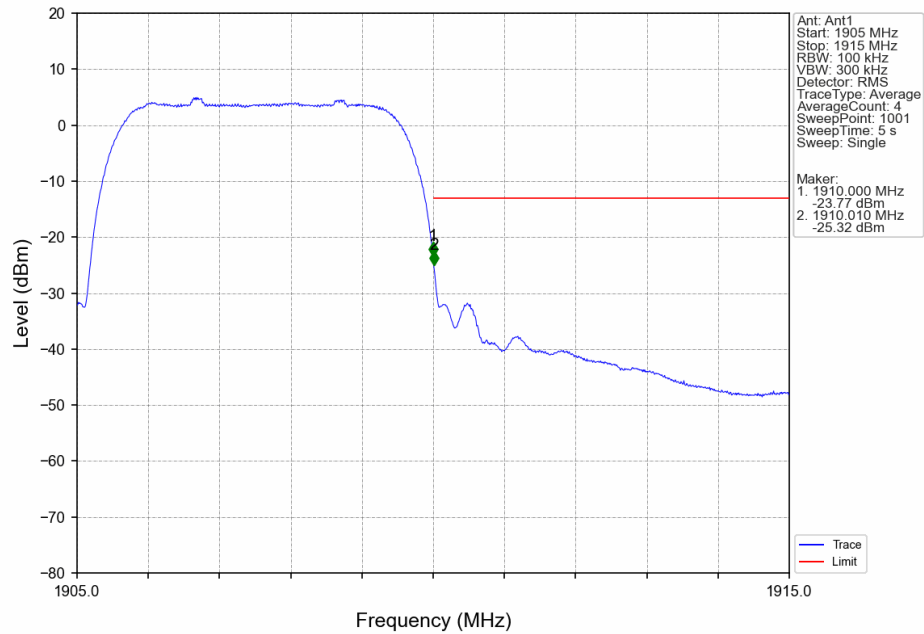


Test Report No.: RF260703B002

Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



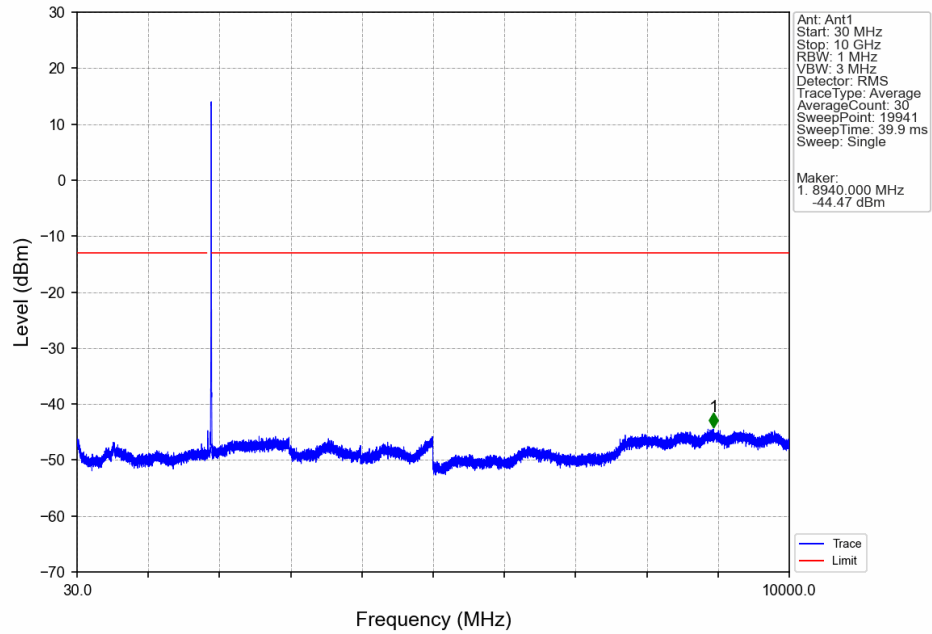
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



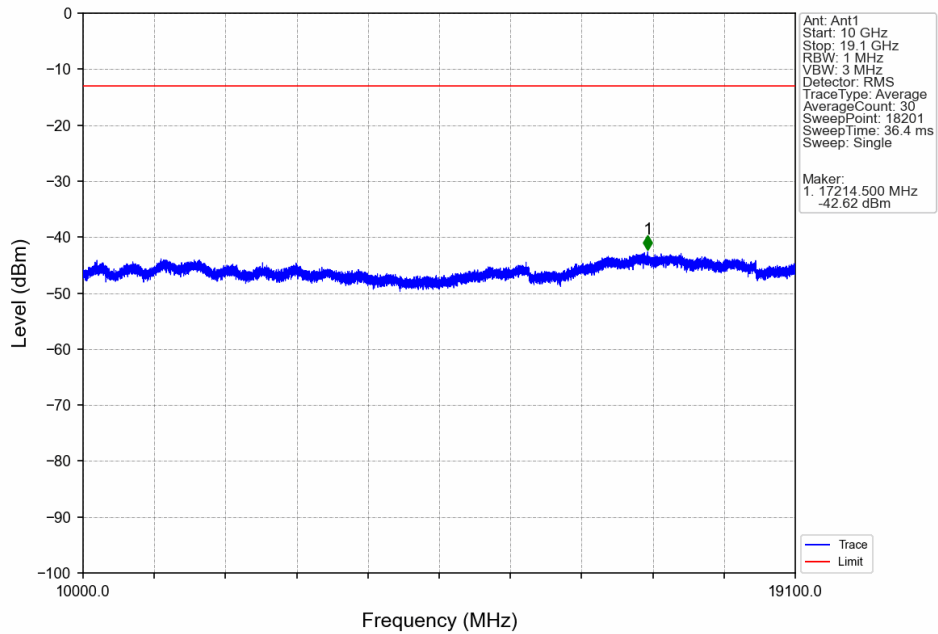


Test Report No.: RF260703B002

Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



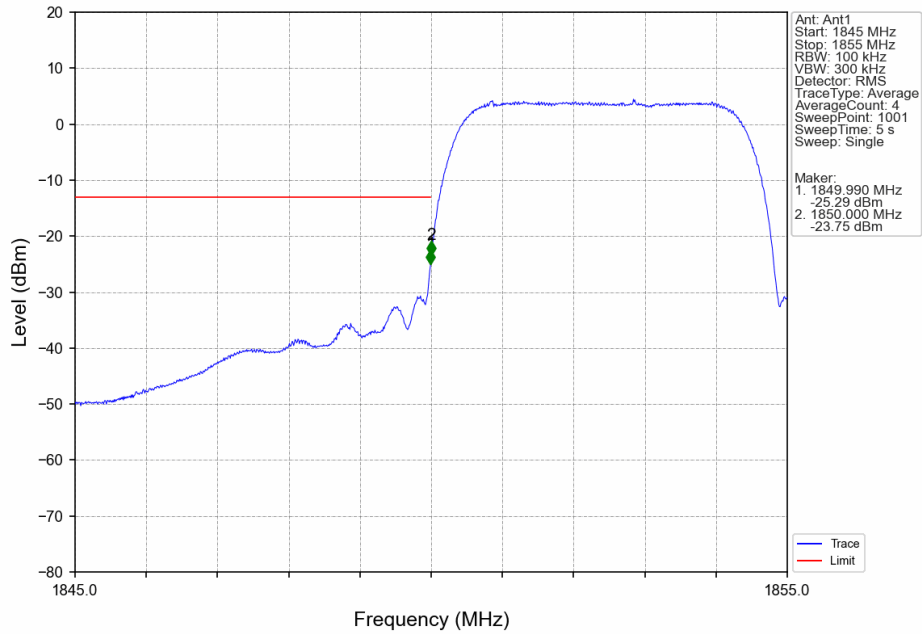
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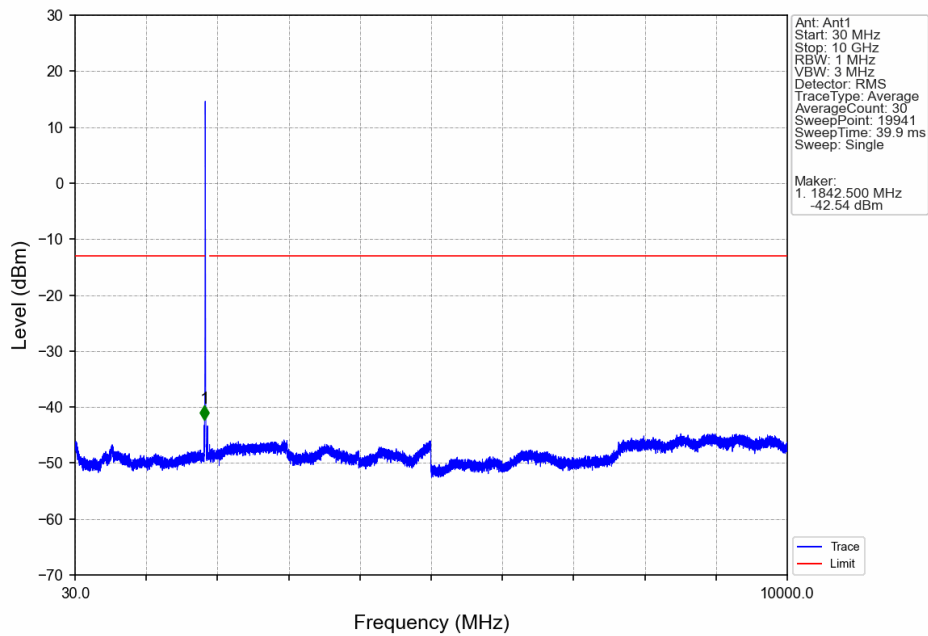


Test Report No.: RF260703B002

Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



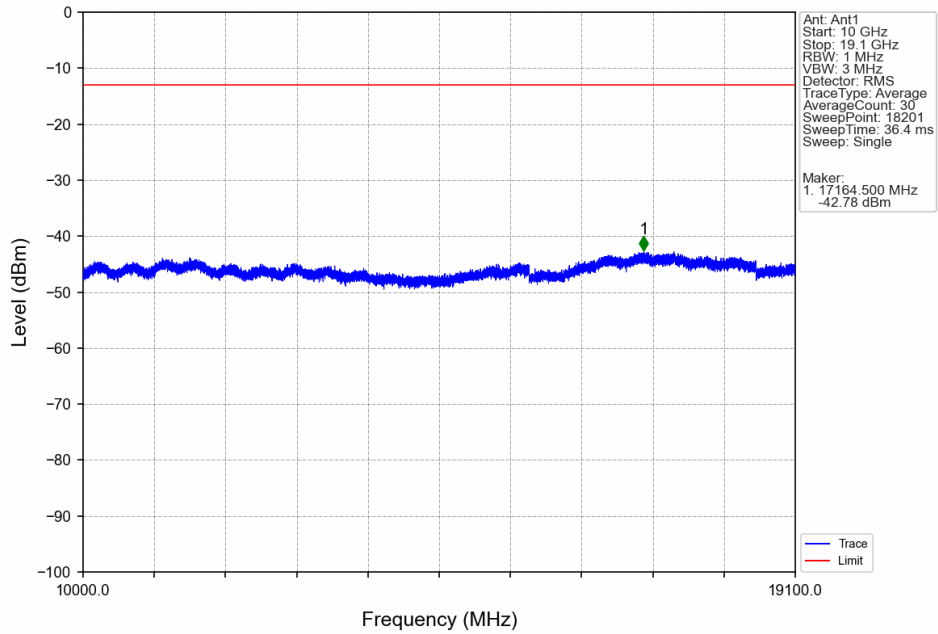
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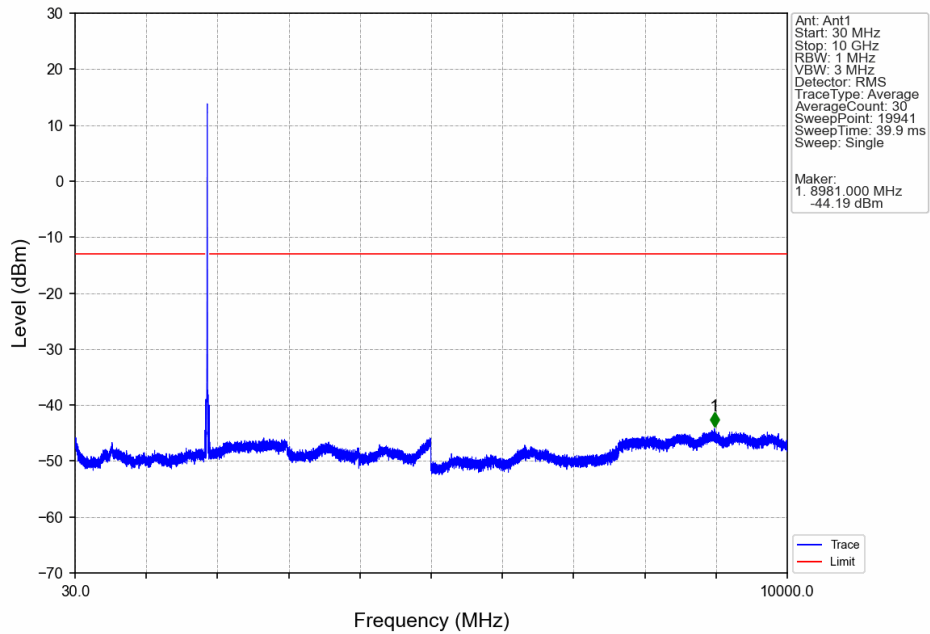


Test Report No.: RF260703B002

Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



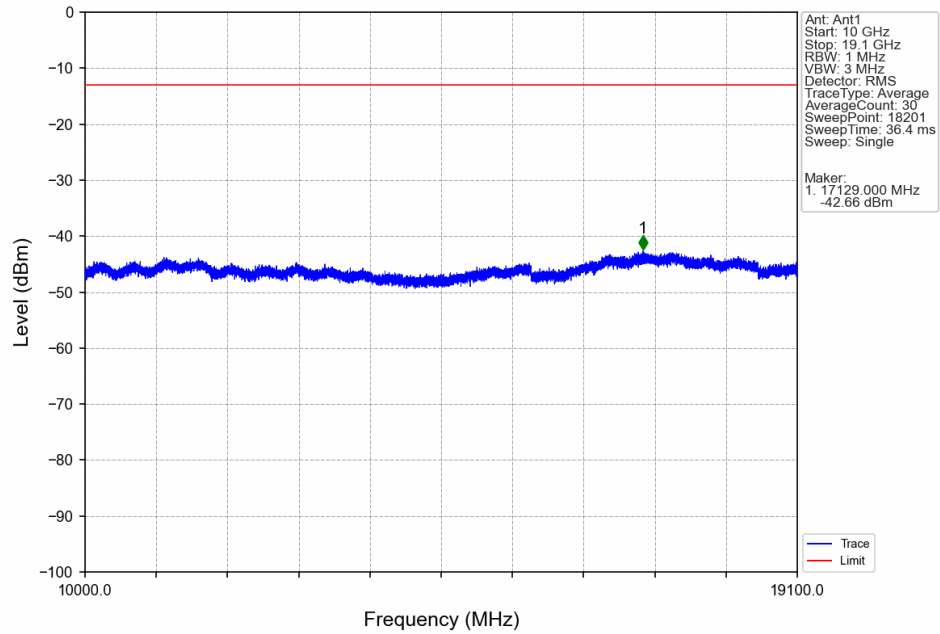
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



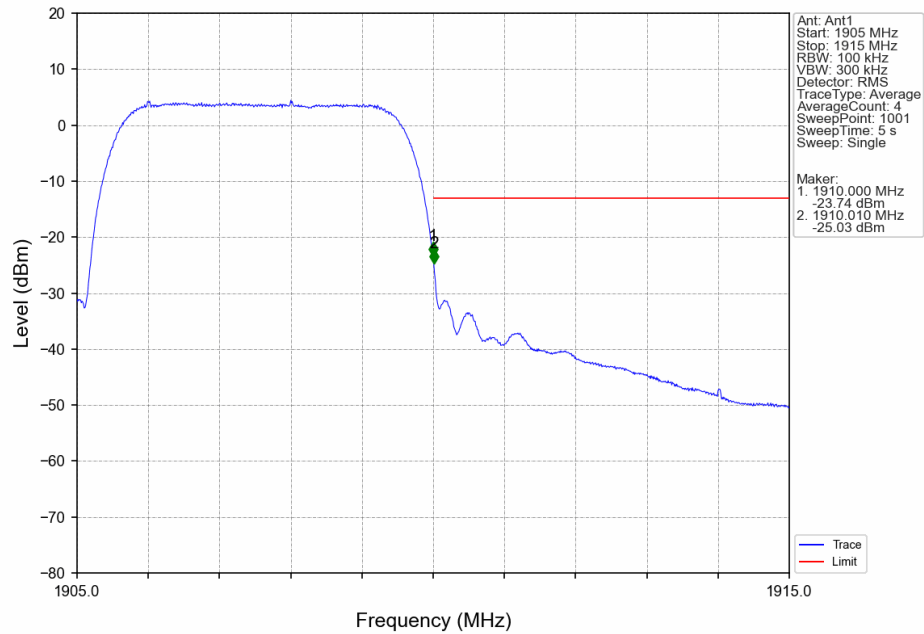


Test Report No.: RF260703B002

Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



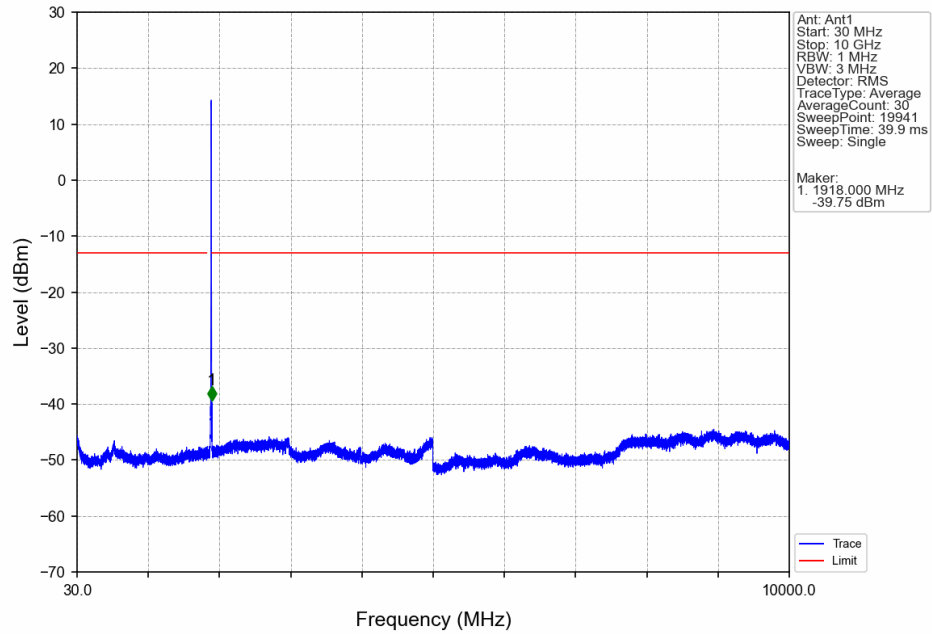
Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



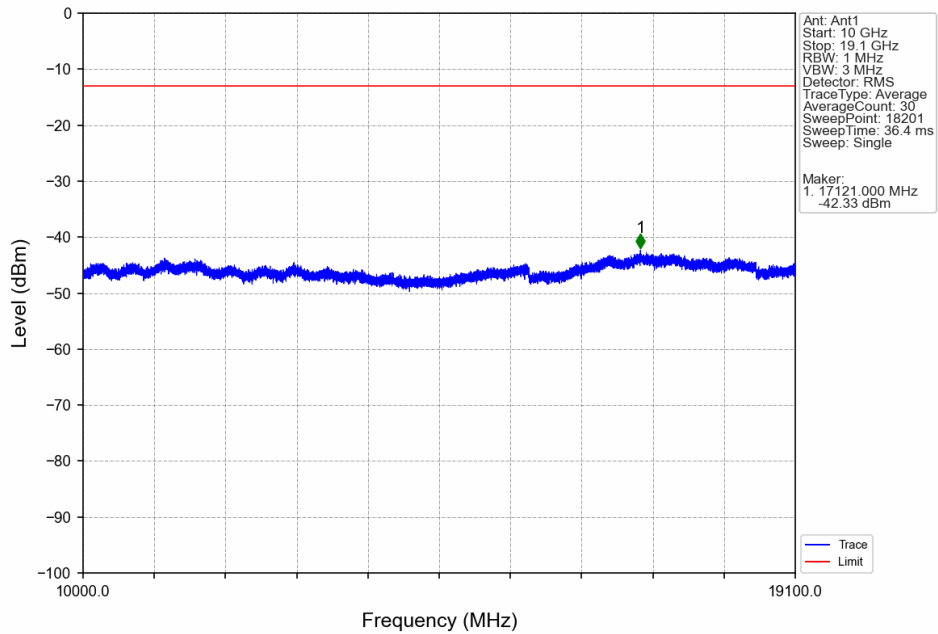


Test Report No.: RF260703B002

Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV





Test Report No.: RF260703B002

FREQUENCY STABILITY

Test Result

Band: 2							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	3.4	3.884	0.0021	-2.5 to 2.5	Pass
			4	3.705	0.0020	-2.5 to 2.5	Pass
			4.6	3.483	0.0019	-2.5 to 2.5	Pass
		5	4	3.641	0.0020	-2.5 to 2.5	Pass
		15	4	3.898	0.0021	-2.5 to 2.5	Pass
		25	4	3.297	0.0018	-2.5 to 2.5	Pass
		35	4	3.562	0.0019	-2.5 to 2.5	Pass
	1880	20	3.4	2.310	0.0012	-2.5 to 2.5	Pass
			4	2.382	0.0013	-2.5 to 2.5	Pass
			4.6	2.046	0.0011	-2.5 to 2.5	Pass
		5	4	2.246	0.0012	-2.5 to 2.5	Pass
		15	4	1.767	0.0009	-2.5 to 2.5	Pass
		25	4	1.817	0.0010	-2.5 to 2.5	Pass
		35	4	2.332	0.0012	-2.5 to 2.5	Pass
	1907.6	20	3.4	0.944	0.0005	-2.5 to 2.5	Pass
			4	0.644	0.0003	-2.5 to 2.5	Pass
			4.6	0.751	0.0004	-2.5 to 2.5	Pass
		5	4	0.687	0.0004	-2.5 to 2.5	Pass
		15	4	0.737	0.0004	-2.5 to 2.5	Pass
		25	4	0.737	0.0004	-2.5 to 2.5	Pass
		35	4	0.744	0.0004	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.4	4.213	0.0023	-2.5 to 2.5	Pass
			4	3.262	0.0018	-2.5 to 2.5	Pass
			4.6	3.548	0.0019	-2.5 to 2.5	Pass
		5	4	3.655	0.0020	-2.5 to 2.5	Pass
		15	4	3.741	0.0020	-2.5 to 2.5	Pass
		25	4	3.419	0.0018	-2.5 to 2.5	Pass
		35	4	3.612	0.0019	-2.5 to 2.5	Pass
	1880	20	3.4	1.431	0.0008	-2.5 to 2.5	Pass
			4	0.887	0.0005	-2.5 to 2.5	Pass
			4.6	2.189	0.0012	-2.5 to 2.5	Pass
		5	4	1.245	0.0007	-2.5 to 2.5	Pass
		15	4	1.459	0.0008	-2.5 to 2.5	Pass
		25	4	1.631	0.0009	-2.5 to 2.5	Pass
		35	4	1.194	0.0006	-2.5 to 2.5	Pass
	1907.6	20	3.4	0.072	0.0000	-2.5 to 2.5	Pass
			4	0.129	0.0001	-2.5 to 2.5	Pass
			4.6	1.144	0.0006	-2.5 to 2.5	Pass
		5	4	0.823	0.0004	-2.5 to 2.5	Pass
		15	4	0.257	0.0001	-2.5 to 2.5	Pass
		25	4	0.987	0.0005	-2.5 to 2.5	Pass
		35	4	1.044	0.0005	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.4	2.747	0.0015	-2.5 to 2.5	Pass
			4	3.183	0.0017	-2.5 to 2.5	Pass
			4.6	1.788	0.0010	-2.5 to 2.5	Pass
		5	4	3.126	0.0017	-2.5 to 2.5	Pass

BOOMWAVE TEST (SHENZHEN)
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Email:shimin.wang@boomwavelab.com

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		15	4	2.911	0.0016	-2.5 to 2.5	Pass
		25	4	2.882	0.0016	-2.5 to 2.5	Pass
		35	4	2.704	0.0015	-2.5 to 2.5	Pass
	1880	20	3.4	1.037	0.0006	-2.5 to 2.5	Pass
			4	1.273	0.0007	-2.5 to 2.5	Pass
			4.6	1.252	0.0007	-2.5 to 2.5	Pass
		5	4	1.037	0.0006	-2.5 to 2.5	Pass
		15	4	1.016	0.0005	-2.5 to 2.5	Pass
		25	4	1.101	0.0006	-2.5 to 2.5	Pass
		35	4	0.973	0.0005	-2.5 to 2.5	Pass
	1907.6	20	3.4	-4.456	-0.0023	-2.5 to 2.5	Pass
			4	-2.439	-0.0013	-2.5 to 2.5	Pass
			4.6	-2.782	-0.0015	-2.5 to 2.5	Pass
		5	4	-2.789	-0.0015	-2.5 to 2.5	Pass
		15	4	-2.811	-0.0015	-2.5 to 2.5	Pass
		25	4	-3.254	-0.0017	-2.5 to 2.5	Pass
		35	4	-3.412	-0.0018	-2.5 to 2.5	Pass



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LTE BAND 2

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.52	<=13	Pass
	1880	6	0	5.72	<=13	Pass
	1909.3	6	0	5.30	<=13	Pass
16QAM	1850.7	6	0	6.50	<=13	Pass
	1880	6	0	6.68	<=13	Pass
	1909.3	6	0	6.22	<=13	Pass
64QAM	1850.7	6	0	6.50	<=13	Pass
	1880	6	0	6.70	<=13	Pass
	1909.3	6	0	6.22	<=13	Pass

B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.68	<=13	Pass
	1880	15	0	5.78	<=13	Pass
	1908.5	15	0	5.48	<=13	Pass
16QAM	1851.5	15	0	6.66	<=13	Pass
	1880	15	0	6.78	<=13	Pass
	1908.5	15	0	6.40	<=13	Pass
64QAM	1851.5	15	0	6.66	<=13	Pass
	1880	15	0	6.78	<=13	Pass
	1908.5	15	0	6.40	<=13	Pass

B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.80	<=13	Pass
	1880	25	0	5.88	<=13	Pass
	1907.5	25	0	5.64	<=13	Pass
16QAM	1852.5	25	0	6.66	<=13	Pass
	1880	25	0	6.72	<=13	Pass
	1907.5	25	0	6.48	<=13	Pass
64QAM	1852.5	25	0	6.66	<=13	Pass
	1880	25	0	6.70	<=13	Pass
	1907.5	25	0	6.46	<=13	Pass

B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	

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QPSK	1855	50	0	5.94	<=13	Pass
	1880	50	0	5.98	<=13	Pass
	1905	50	0	5.78	<=13	Pass
16QAM	1855	50	0	6.72	<=13	Pass
	1880	50	0	6.74	<=13	Pass
	1905	50	0	6.54	<=13	Pass
64QAM	1855	50	0	6.72	<=13	Pass
	1880	50	0	6.74	<=13	Pass
	1905	50	0	6.54	<=13	Pass

B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.84	<=13	Pass
	1880	75	0	5.88	<=13	Pass
	1902.5	75	0	5.74	<=13	Pass
16QAM	1857.5	75	0	6.72	<=13	Pass
	1880	75	0	6.76	<=13	Pass
	1902.5	75	0	6.60	<=13	Pass
64QAM	1857.5	75	0	6.72	<=13	Pass
	1880	75	0	6.76	<=13	Pass
	1902.5	75	0	6.60	<=13	Pass

B2_20MHz

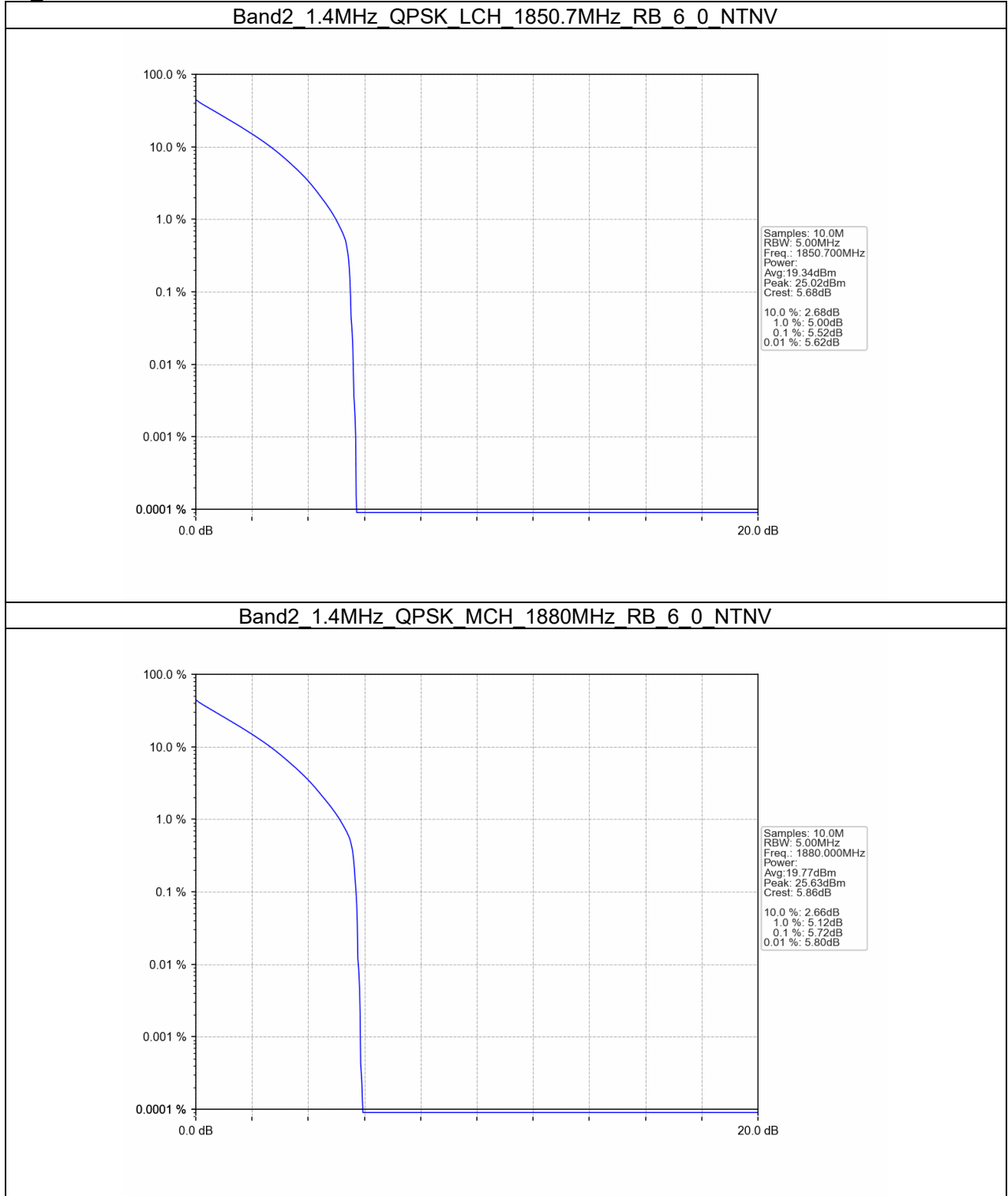
Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.76	<=13	Pass
	1880	100	0	5.84	<=13	Pass
	1900	100	0	5.80	<=13	Pass
16QAM	1860	100	0	6.66	<=13	Pass
	1880	100	0	6.70	<=13	Pass
	1900	100	0	6.62	<=13	Pass
64QAM	1860	100	0	6.66	<=13	Pass
	1880	100	0	6.70	<=13	Pass
	1900	100	0	6.62	<=13	Pass



Test Report No.: RF260703B002

Test Graphs

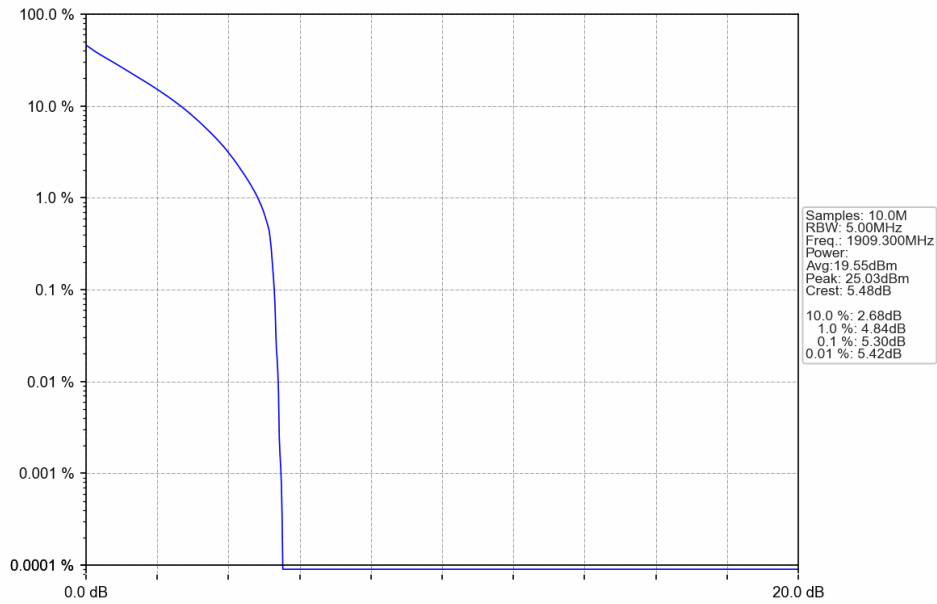
B2_1.4MHz



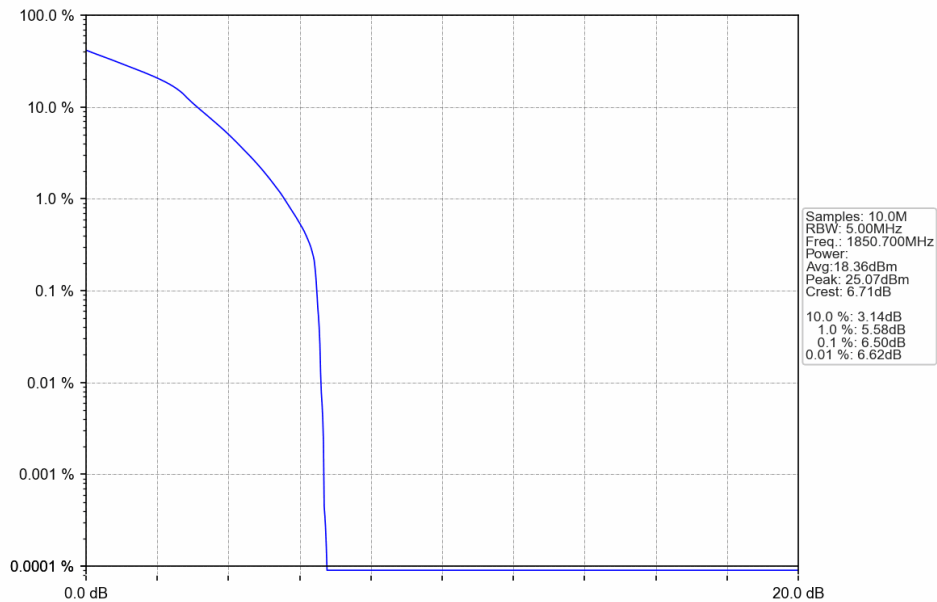


Test Report No.: RF260703B002

Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



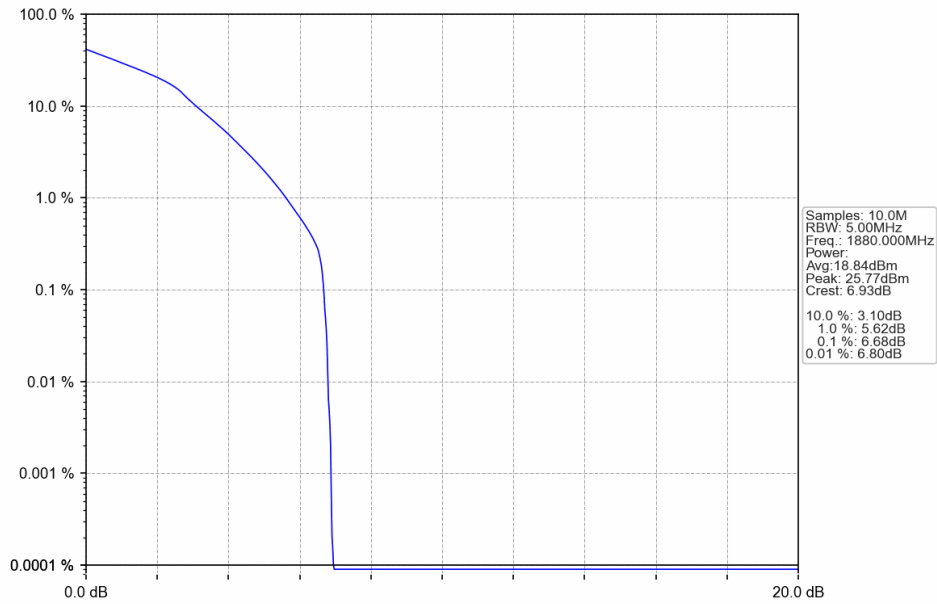
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



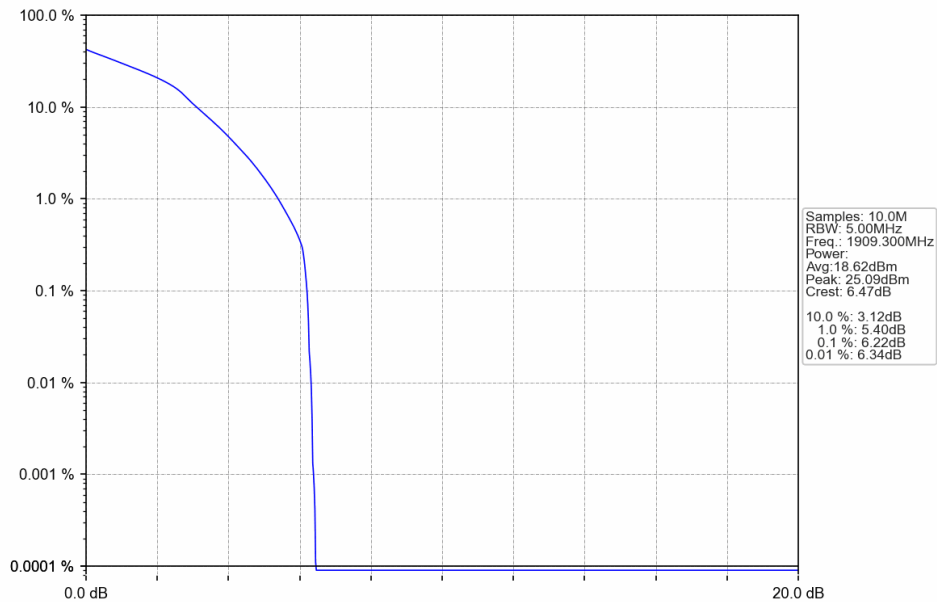


Test Report No.: RF260703B002

Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



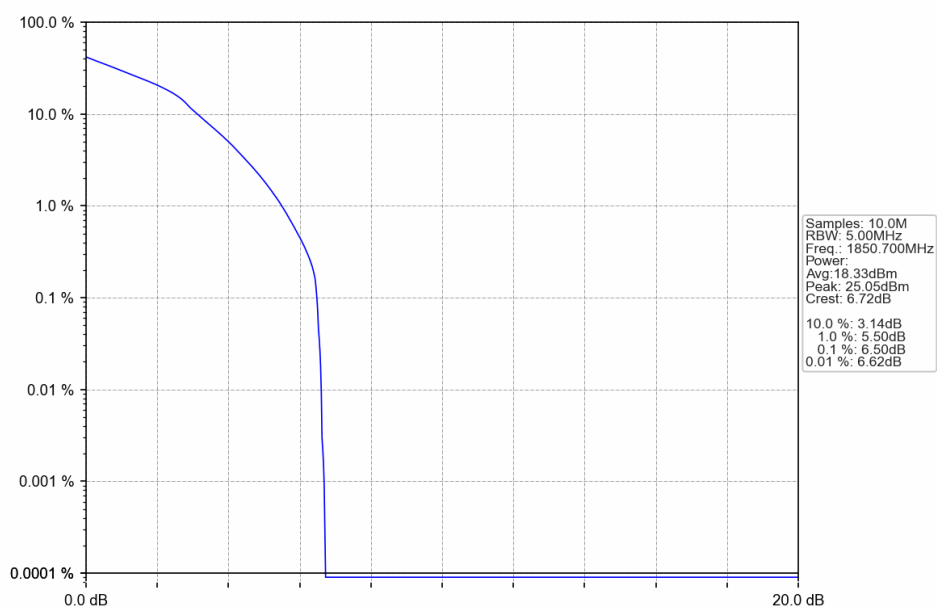
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



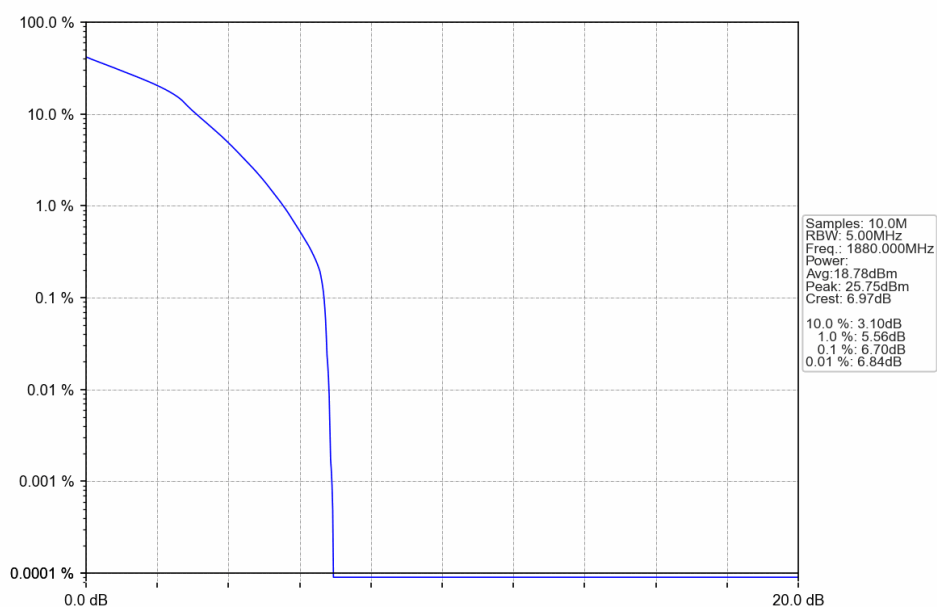


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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV

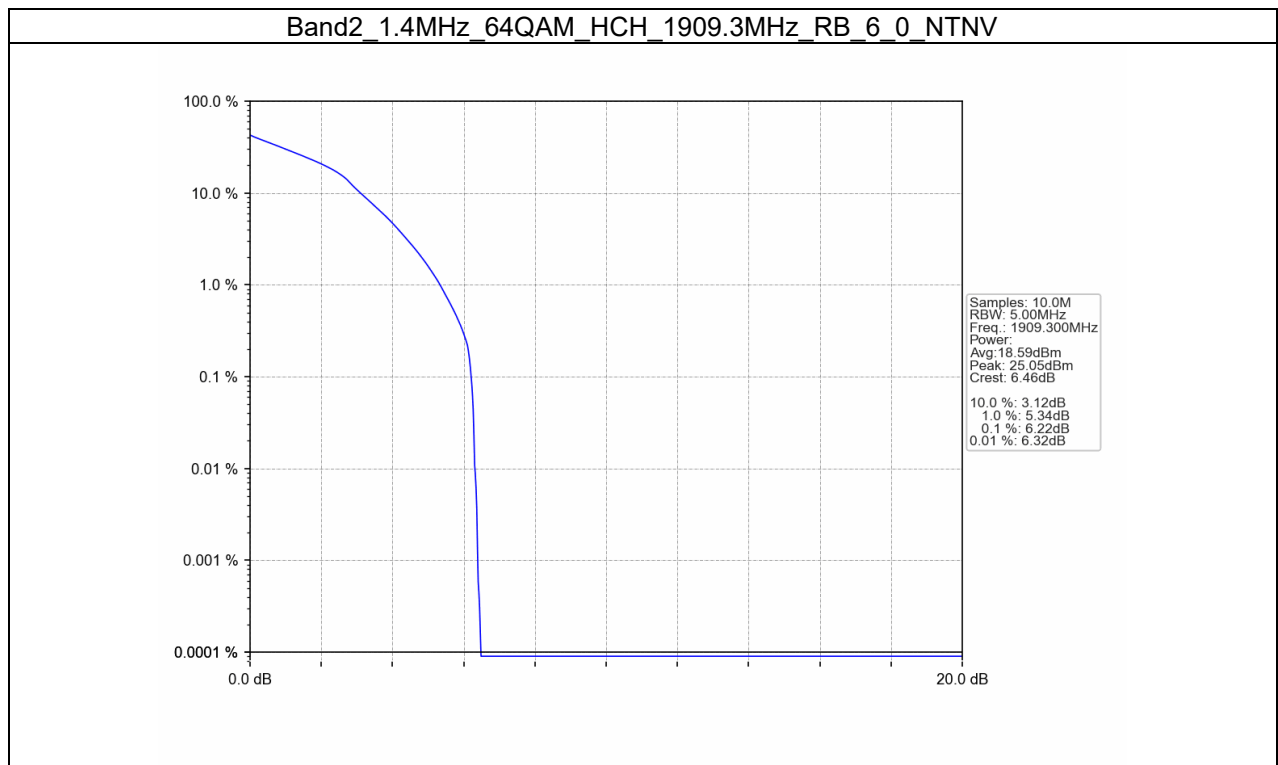


Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV





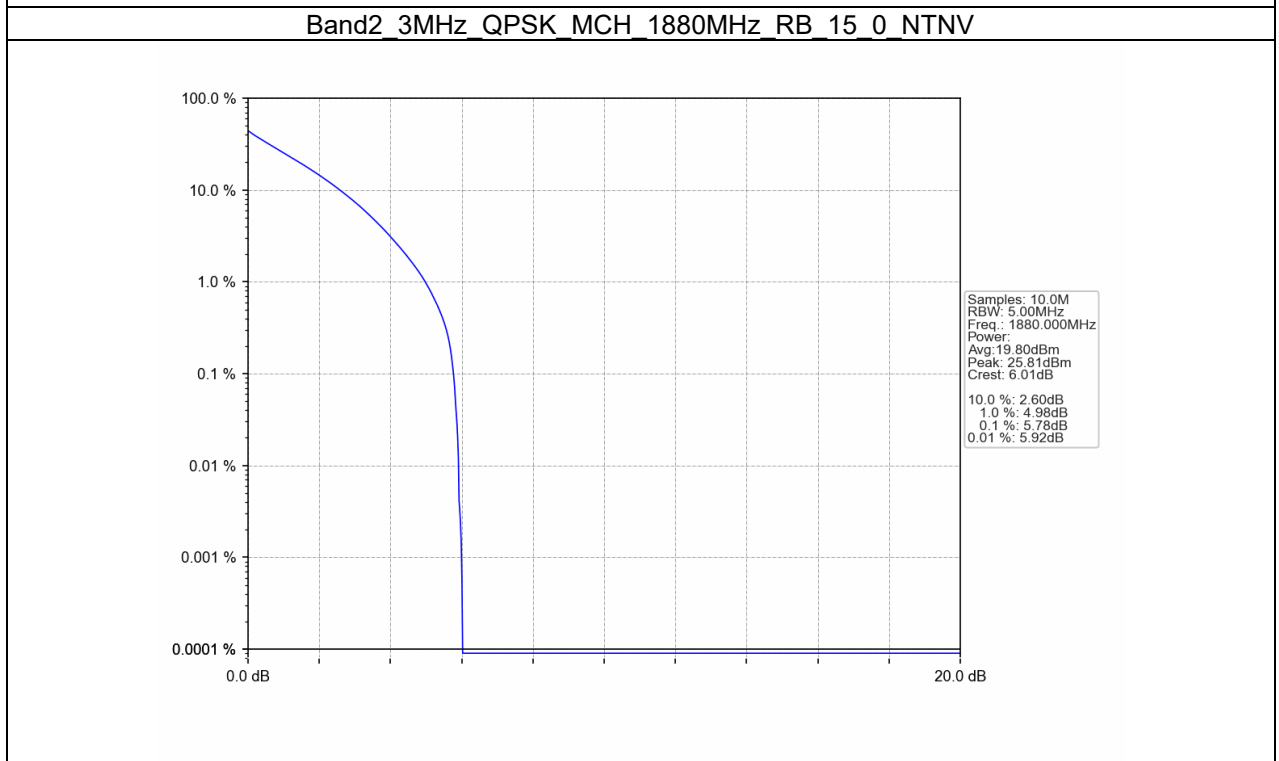
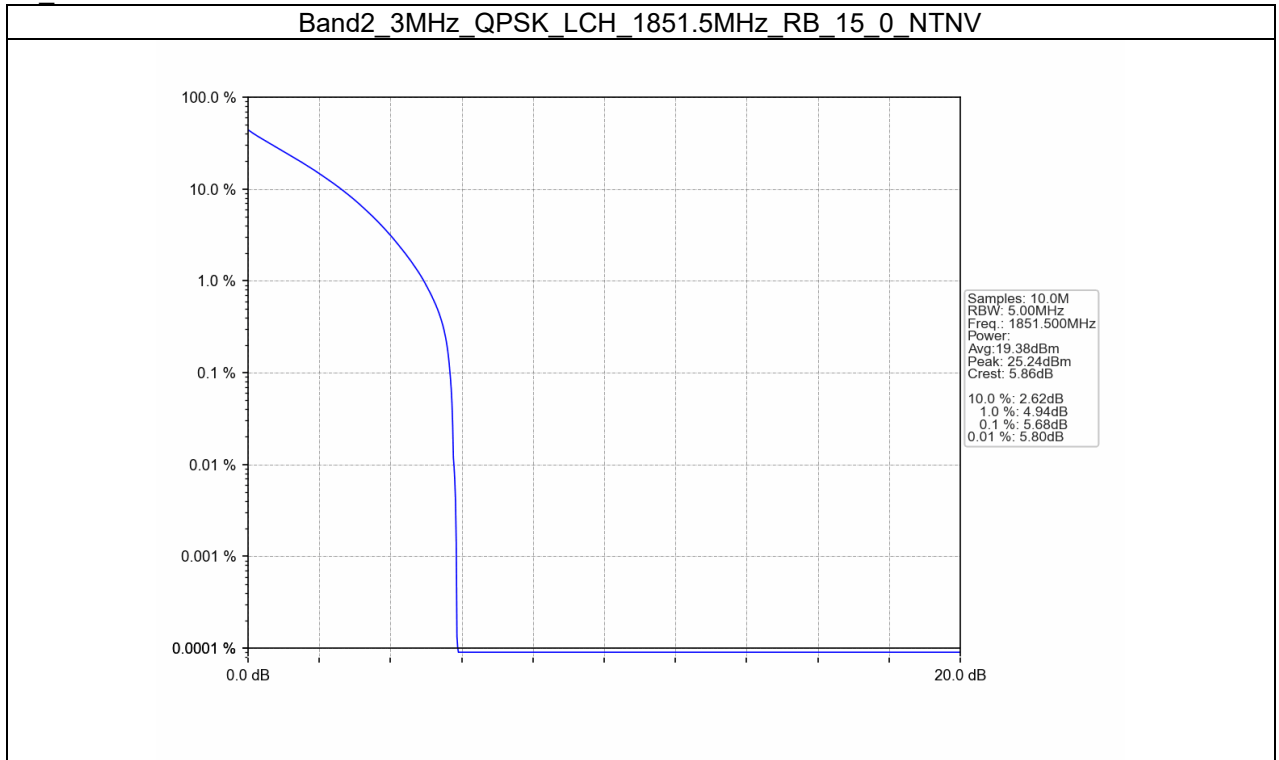
Test Report No.: RF260703B002





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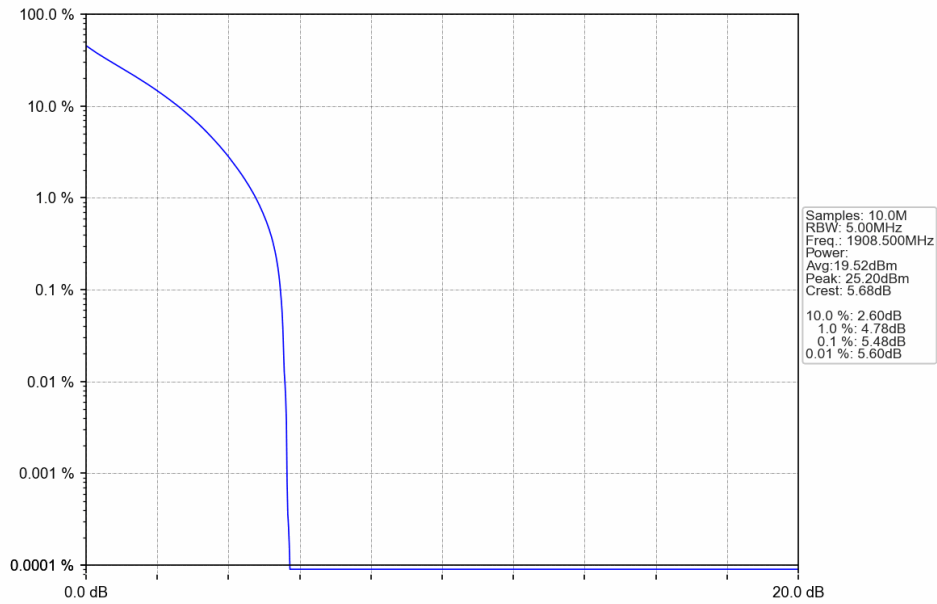
B2_3MHz



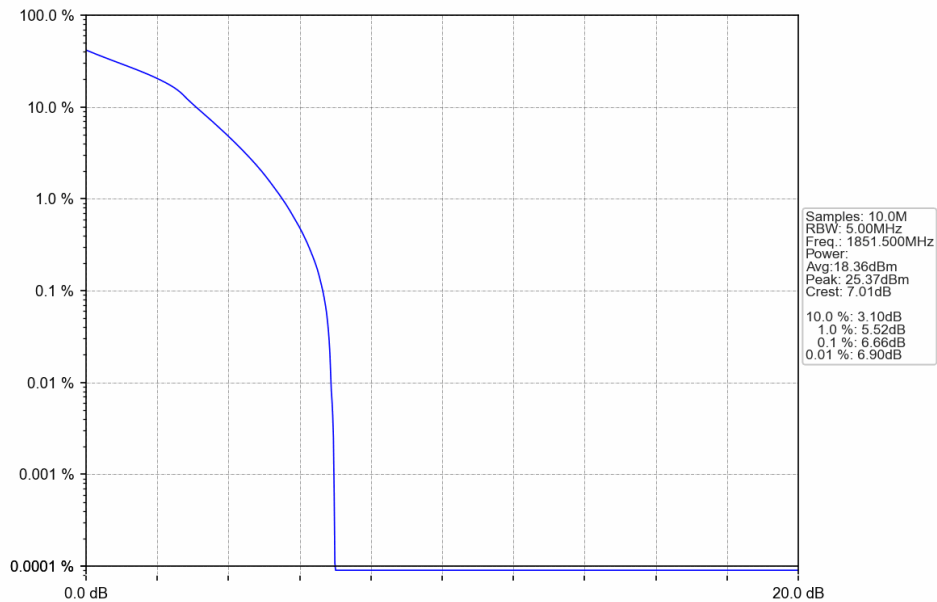


Test Report No.: RF260703B002

Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



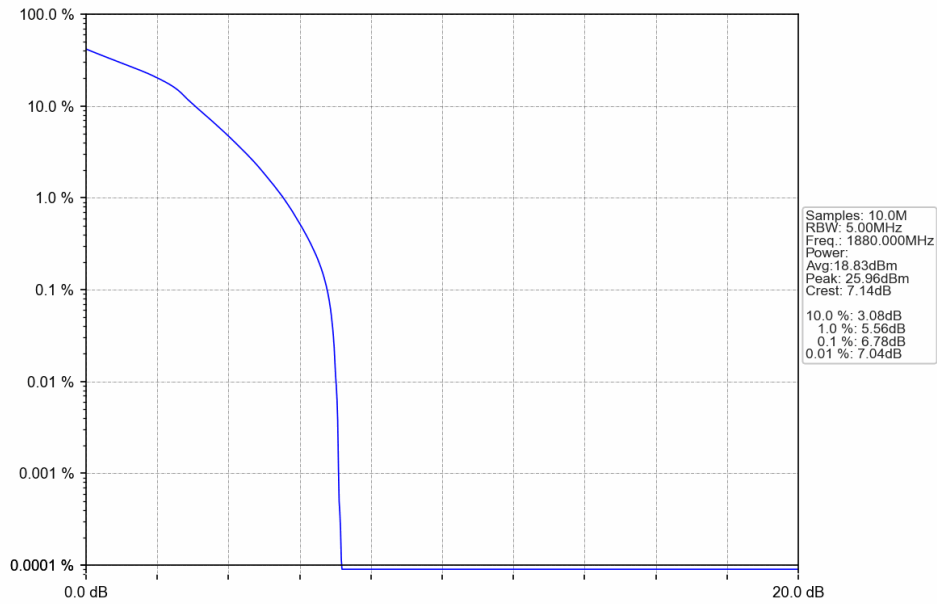
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



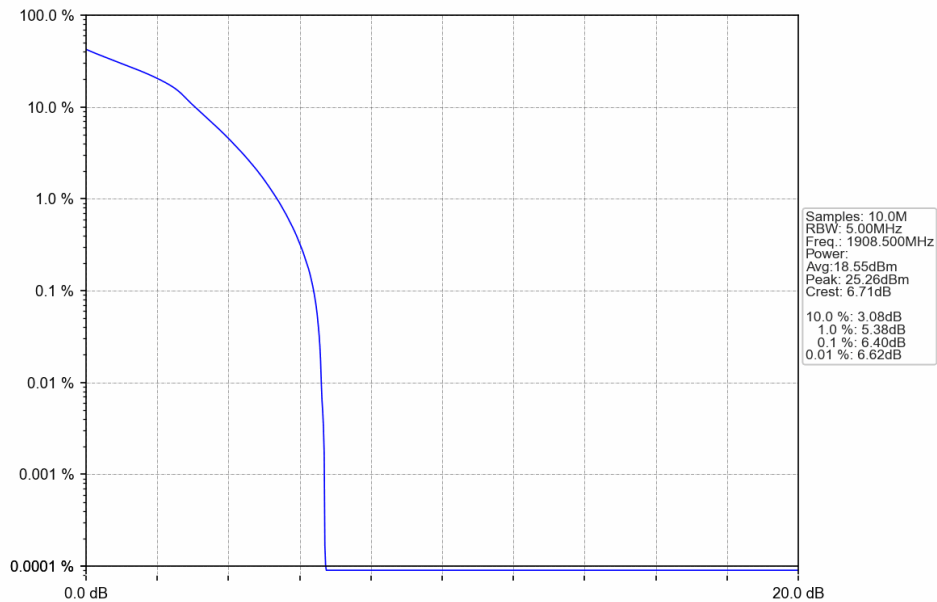


Test Report No.: RF260703B002

Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



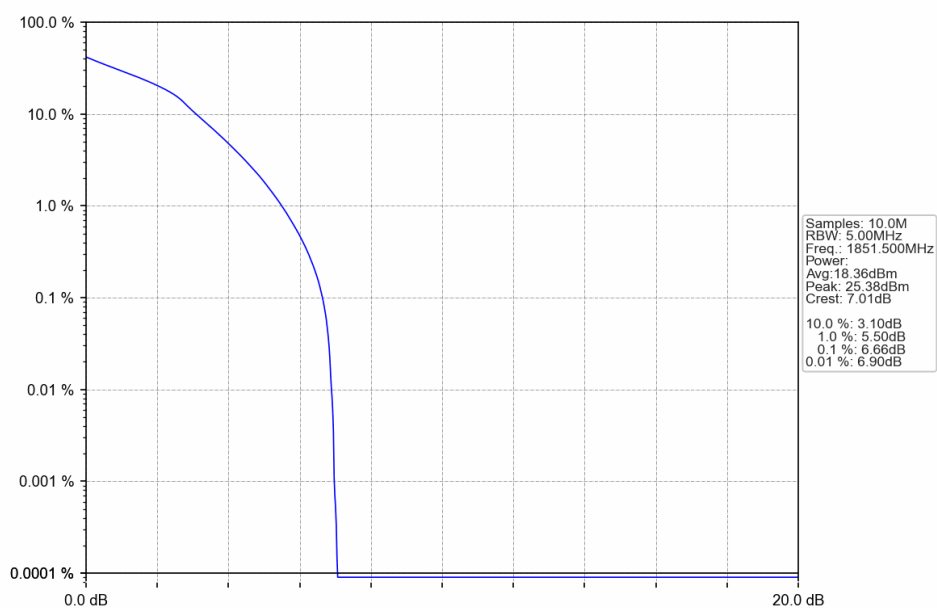
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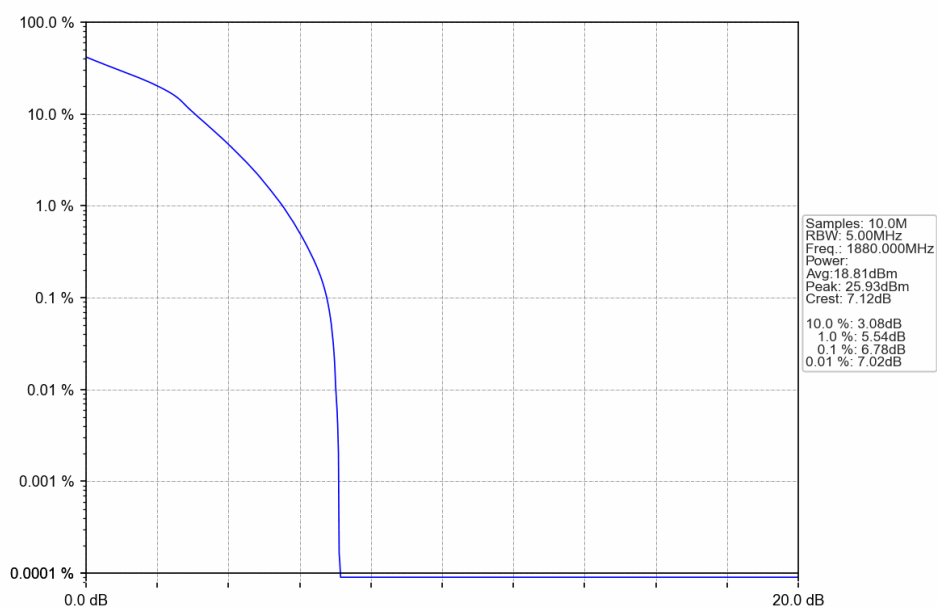


Test Report No.: RF260703B002

Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV

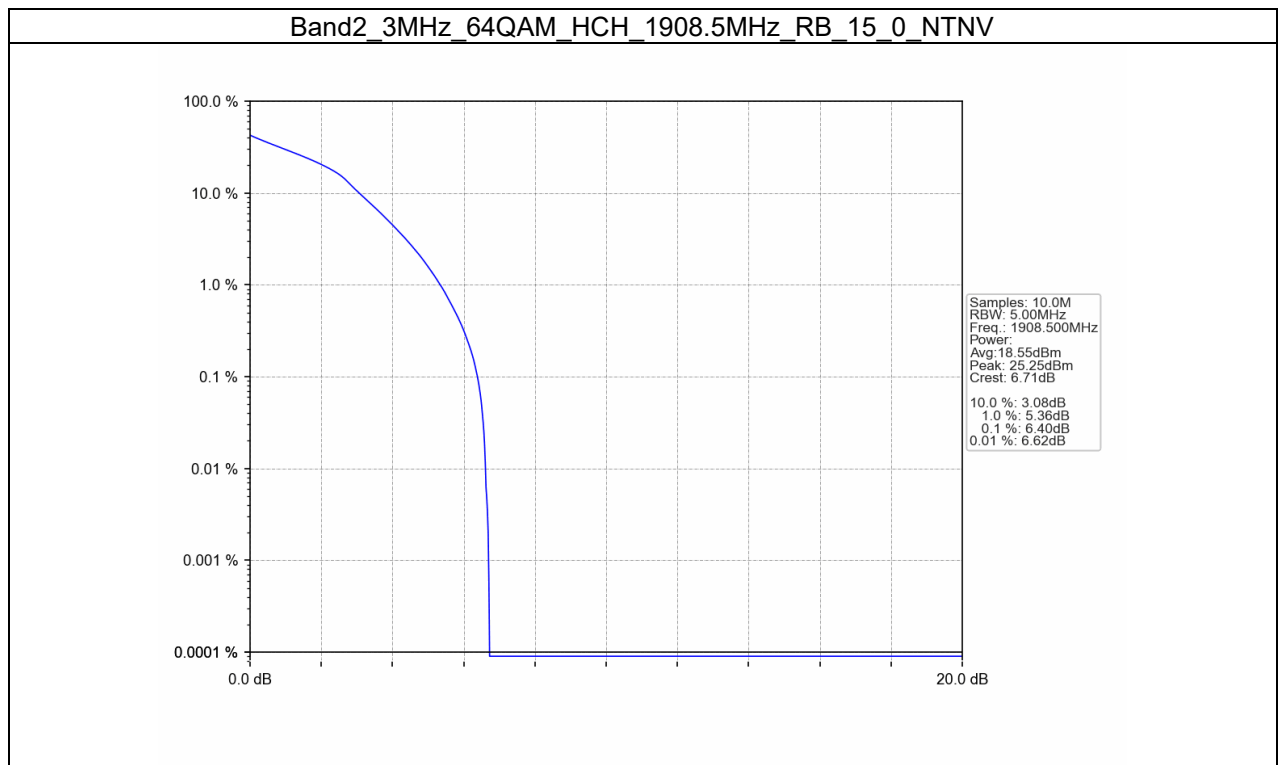


Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV





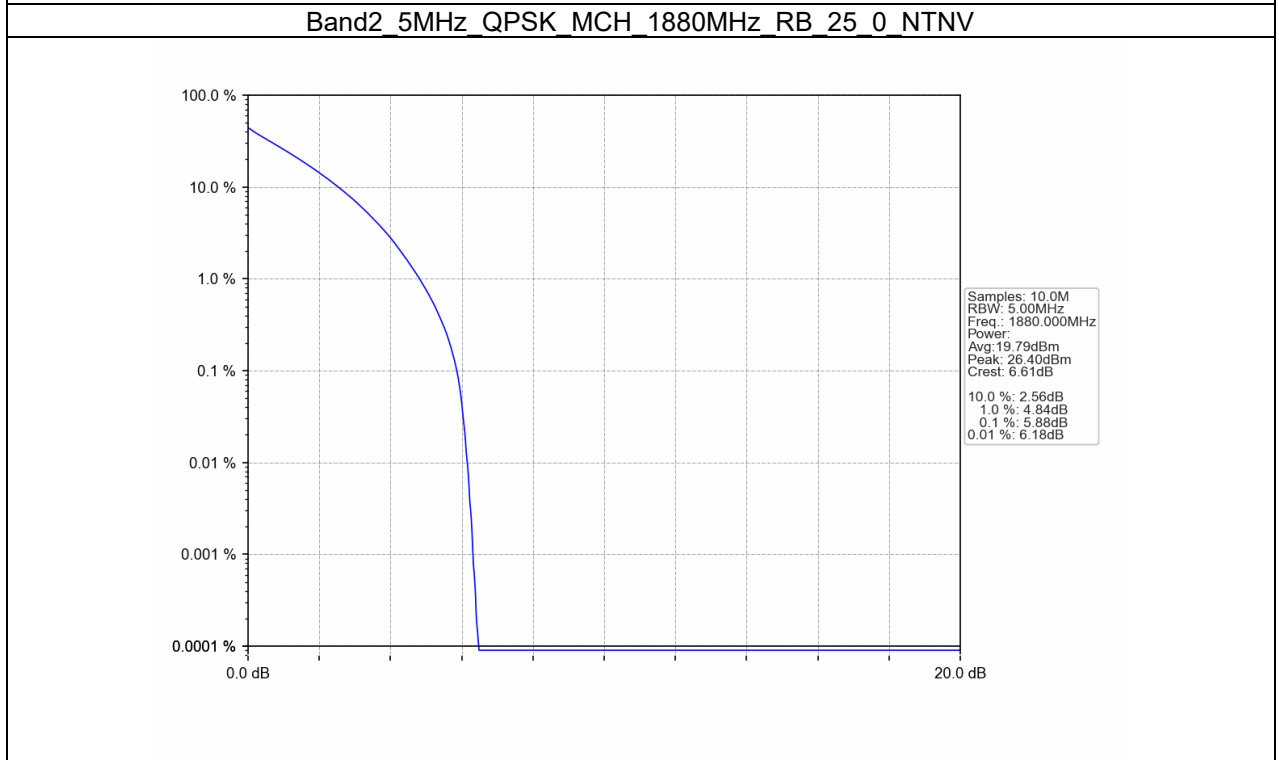
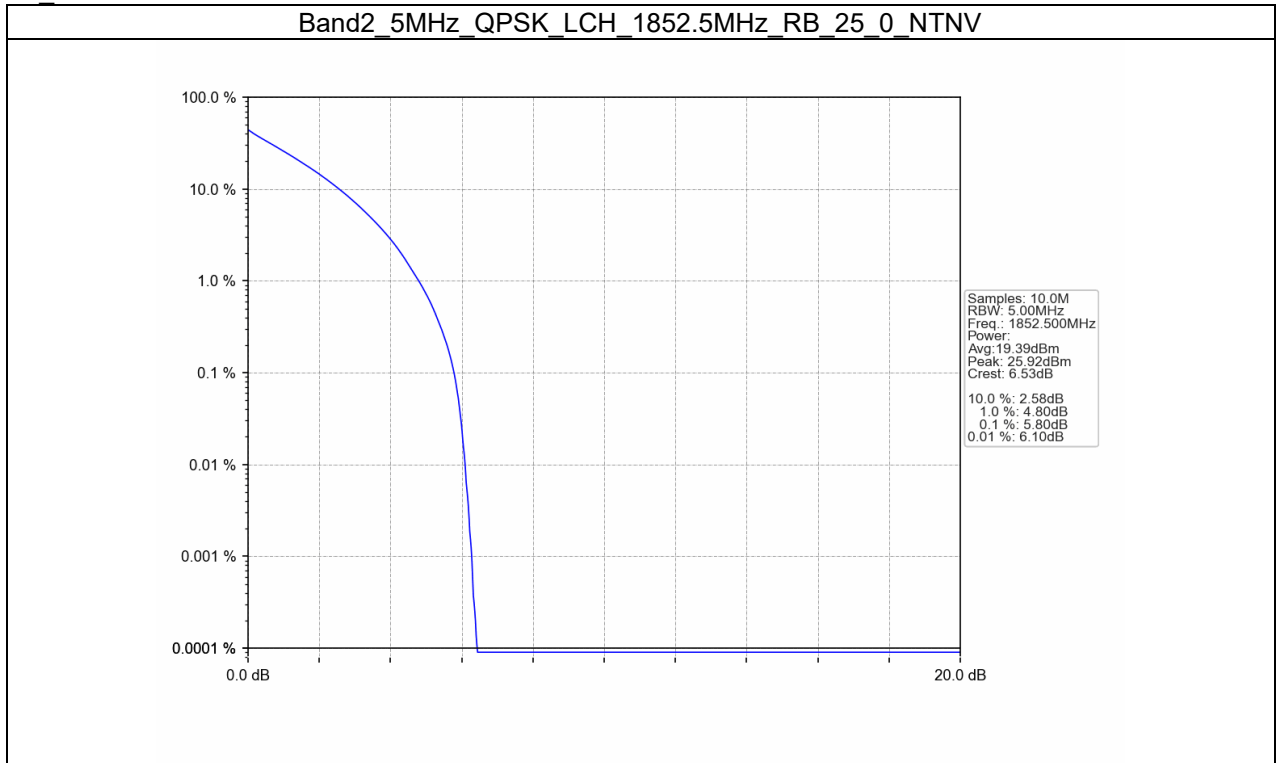
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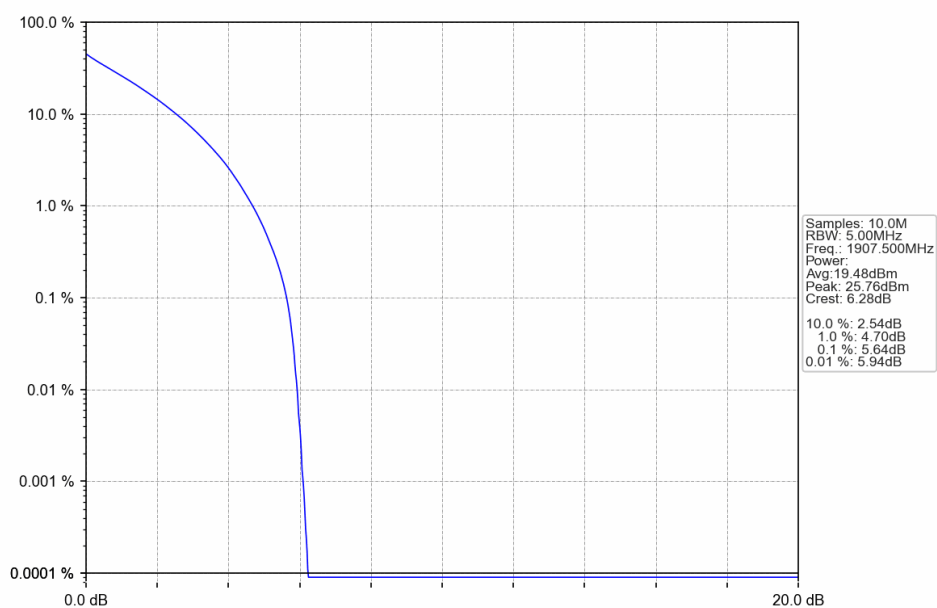
Test Report No.: RF260703B002

B2_5MHz



Test Report No.: RF260703B002

Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

