

## Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/0 Aug01,2022

Report No.: FYCR220700028506

Page: 1 of 64

# TEST REPORT

**Application No.:** FYCR2207000285AT  
**Applicant:** Dspread Technology (Beijing) Inc  
**Address of Applicant:** Rm.407, B12C, #10(Universal Business Park), Jiuxianqiao Road,Chaoyang District,Beijing, 100027 China  
**Manufacturer:** Dspread Technology (Beijing) Inc  
**Address of Manufacturer:** Rm.407, B12C, #10(Universal Business Park), Jiuxianqiao Road,Chaoyang District,Beijing, 100027 China  
**Factory:** Shenzhen Xin Kingbrand Enterprises Co.Ltd  
**Address of Factory:** Kingbrand Industrial Park, Nanpu Road, Shajing Street, Baoan District, Shenzhen, China  
**Equipment Under Test (EUT):**  
**EUT Name:** Smart Pos  
**Model No.:** D30  
**FCC ID:** 2AGQ6-D30  
**Standard(s) :** 47 CFR Part 2  
 47 CFR Part 22 subpart H  
 47 CFR Part 24 subpart E  
**Date of Receipt:** 2022-07-27  
**Date of Test:** 2022-08-08 to 2022-09-29  
**Date of Issue:** 2022-10-22

<b>Test Result:</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

*Winkey Wang*

Winkey Wang  
EMC Technical Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-10-22		Original

Authorized for issue by:				
		Tree Zhan		
		Tree Zhan/Project Engineer		
		Winkey Wang		
		Winkey Wang/Reviewer		



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## 2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913, §24.232	ERP≤7W(GSM850) EIRP≤2W(PCS1900)	PASS
Peak-Average Ratio	§24.232	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051, §22.917, §24.238	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious emissions at antenna terminals	§2.1051, §22.917, §24.238	≤ -13dBm	PASS
Field strength of spurious radiation	§2.1051, §22.917, §24.238	≤ -13dBm	PASS
Frequency stability	§2.1055, §22.355, §24.235	≤ ±2.5ppm.	PASS



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	Powered by DC3.7V by Rechargeable Li-ion Battery Model: D30 1ICR19/66-2 Charged by AC adapter M/N: TPA-46050200UU Input: AC 100-240V, 50/60Hz, 0.3A Adapter output: DC5V, 2000mA
Cable(s):	Type-C cable: 101cm unshielded cable without ferrite core
Sample Type:	Portable production
Support Network:	GSM, GPRS, EGPRS
Operation Frequency Band:	GSM850/PCS1900
Modulation Type:	GMSK for GPRS/EGPRS; 8PSK for EGPRS;
GPRS Class:	12
EGPRS Class:	12
Antenna Type:	PIFA antenna
Antenna Gain:	GSM850: -0.8dBi; PCS1900: 1.4dBi
SIM Card:	This device has dual SIM Card sockets. Both the SIM sockets have been tested. SIM1 was worst case, only record SIM1.

Remark: The information in this section is provided by the applicant or manufacturer, CCS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Test Frequency

Test mode:	TX	RF Channel		
		Low (L)	Middle (M)	High (H)
GSM850	TX	Channel 128	Channel 190	Channel 251
		824.2MHz	836.6 MHz	848.8 MHz
Test mode:	TX	RF Channel		
		Low (L)	Middle (M)	High (H)
PCS1900	TX	Channel 512	Channel 661	Channel 810
		1850.2MHz	1880.0 MHz	1909.8 MHz



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### 4.3 Test Environment

Environment Parameter	Selected Values During Tests	
Temperature:	TL	0°C
	TN	+25°C
	TH	+40°C
Voltage:	VL	3.33V
	VN	3.7V
	VH	4.07V

NOTE: VL= lower extreme test voltage  
VN= nominal voltage  
VH= upper extreme test voltage  
TL= lower extreme test temperature  
TN= normal temperature  
TH= upper extreme test temperature

### 4.4 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

### 4.5 Measurement Uncertainty

Test Item	Measurement Uncertainty
Effective (Isotropic) Radiated Power Output Data	± 3.1dB (Below 1GHz), ± 4.4dB (Above 1GHz)
Peak-Average Ratio	± 0.8dB
Modulation Characteristics	± 0.8dB
Bandwidth	± 0.3%
Band Edge Compliance	± 2.7dB
Spurious emissions at antenna terminals	± 2.7dB
Field strength of spurious radiation	± 3.1dB (Below 1GHz), ± 4.4dB (Above 1GHz)
Frequency stability	± 5.4 x 10-8

Remark:

The U<sub>lab</sub> (lab Uncertainty) is less than U<sub>CISPR/ETSI</sub> (CISPR/ETSI Uncertainty), so the test results  
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;  
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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### 4.6 Test Location

All tests were performed at:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

### 4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • A2LA (Certificate No. 6606.01)

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

#### • FCC –Designation Number: CN1322

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

#### • Innovation, Science and Economic Development Canada

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

### 4.8 Deviation from Standards

None

### 4.9 Abnormalities from Standard Conditions

None



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### 5 Equipment List

Effective (Isotropic) Radiated Power Output Data					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Peak-Average Ratio					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Electric and Magnetic	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1



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# Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Field Probe - Analyzer					
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Modulation Characteristics					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11



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Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Band Edge Compliance					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Spurious emissions at antenna terminals					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11



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Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

## Field strength of spurious radiation(Below 1GHz & Above 1GHz)

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2022/7/12	2023/7/11
Trilog-Broadband Antenna(25MHz-2GHz)	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Biconical Antenna(150MHz-1GHz)	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25
Loop Antenna(9kHz-30MHz)	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver(20Hz-8.4GHz)	Agilent	N9038A	SEM004-05	2022/7/12	2023/7/11
Pre-amplifier (0.1-1.3GHz)	HP	8447D	SEM005-02	2022/7/12	2023/7/11
Broad-Band Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna (1-18GHz)	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24

## Frequency stability

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11



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Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200AC	SEM022-20	2022/4/2	2023/4/1
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2022-07-12	2023-07-11
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2022-07-12	2023-07-11
Barometer	DUMAI	DYM3	SEM002-24	2022-07-12	2023-07-11



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## 6 Radio Spectrum Matter Test Results

### 6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §22.913, §24.232  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: ERP≤7W(GSM850)  
 EIRP ≤ 2W(PCS1900)

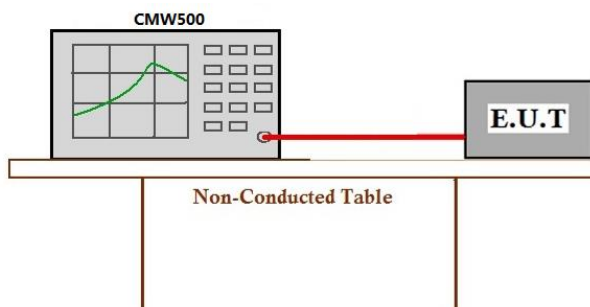
#### 6.1.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.1.3 Test Setup Diagram



#### 6.1.4 Measurement Procedure and Data



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Band: GSM850								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	33.66	-0.80	30.71	<=38.45	Pass
		2 TX Slots	824.2	31.57	-0.80	28.62	<=38.45	Pass
		3 TX Slots	824.2	29.41	-0.80	26.46	<=38.45	Pass
		4 TX Slots	824.2	28.21	-0.80	25.26	<=38.45	Pass
		1 TX Slot	836.6	33.80	-0.80	30.85	<=38.45	Pass
		2 TX Slots	836.6	31.74	-0.80	28.79	<=38.45	Pass
		3 TX Slots	836.6	29.48	-0.80	26.53	<=38.45	Pass
		4 TX Slots	836.6	28.30	-0.80	25.35	<=38.45	Pass
		1 TX Slot	848.8	33.63	-0.80	30.68	<=38.45	Pass
		2 TX Slots	848.8	31.98	-0.80	29.03	<=38.45	Pass
		3 TX Slots	848.8	29.77	-0.80	26.82	<=38.45	Pass
		4 TX Slots	848.8	28.61	-0.80	25.66	<=38.45	Pass
	EGPRS	1 TX Slot	824.2	27.26	-0.80	24.31	<=38.45	Pass
		2 TX Slots	824.2	25.34	-0.80	22.39	<=38.45	Pass
		3 TX Slots	824.2	23.25	-0.80	20.30	<=38.45	Pass
		4 TX Slots	824.2	22.24	-0.80	19.29	<=38.45	Pass
		1 TX Slot	836.6	27.25	-0.80	24.30	<=38.45	Pass
		2 TX Slots	836.6	27.46	-0.80	24.51	<=38.45	Pass
		3 TX Slots	836.6	22.92	-0.80	19.97	<=38.45	Pass
		4 TX Slots	836.6	22.10	-0.80	19.15	<=38.45	Pass
		1 TX Slot	848.8	27.49	-0.80	24.54	<=38.45	Pass
		2 TX Slots	848.8	25.39	-0.80	22.44	<=38.45	Pass
		3 TX Slots	848.8	23.12	-0.80	20.17	<=38.45	Pass
		4 TX Slots	848.8	22.37	-0.80	19.42	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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Band: PCS1900								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	28.93	1.40	30.33	<=33.01	Pass
		2 TX Slots	1850.2	27.20	1.40	28.60	<=33.01	Pass
		3 TX Slots	1850.2	25.30	1.40	26.70	<=33.01	Pass
		4 TX Slots	1850.2	24.17	1.40	25.57	<=33.01	Pass
		1 TX Slot	1880	29.34	1.40	30.74	<=33.01	Pass
		2 TX Slots	1880	27.33	1.40	28.73	<=33.01	Pass
		3 TX Slots	1880	25.43	1.40	26.83	<=33.01	Pass
		4 TX Slots	1880	24.54	1.40	25.94	<=33.01	Pass
		1 TX Slot	1909.8	28.80	1.40	30.20	<=33.01	Pass
		2 TX Slots	1909.8	26.80	1.40	28.20	<=33.01	Pass
		3 TX Slots	1909.8	25.12	1.40	26.52	<=33.01	Pass
		4 TX Slots	1909.8	24.07	1.40	25.47	<=33.01	Pass
	EGPRS	1 TX Slot	1850.2	25.93	1.40	27.33	<=33.01	Pass
		2 TX Slots	1850.2	23.95	1.40	25.35	<=33.01	Pass
		3 TX Slots	1850.2	21.80	1.40	23.20	<=33.01	Pass
		4 TX Slots	1850.2	20.62	1.40	22.02	<=33.01	Pass
		1 TX Slot	1880	25.95	1.40	27.35	<=33.01	Pass
		2 TX Slots	1880	23.97	1.40	25.37	<=33.01	Pass
		3 TX Slots	1880	22.04	1.40	23.44	<=33.01	Pass
		4 TX Slots	1880	20.82	1.40	22.22	<=33.01	Pass
		1 TX Slot	1909.8	25.45	1.40	26.85	<=33.01	Pass
		2 TX Slots	1909.8	23.72	1.40	25.12	<=33.01	Pass
		3 TX Slots	1909.8	21.59	1.40	22.99	<=33.01	Pass
		4 TX Slots	1909.8	21.52	1.40	22.92	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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Shenzhen Branch

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### 6.2 Peak-Average Ratio

Test Requirement: §24.232  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: ≤13dB

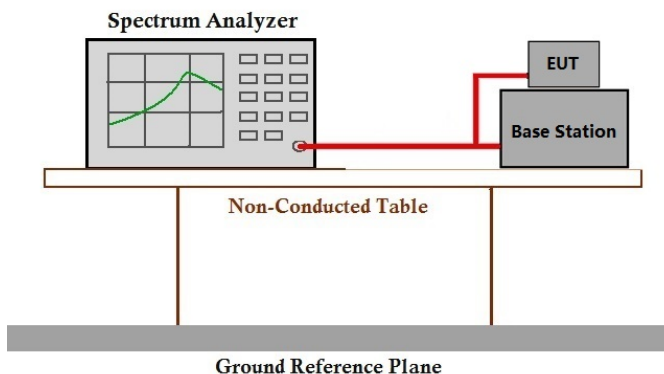
#### 6.2.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.2.3 Test Setup Diagram



#### 6.2.4 Measurement Procedure and Data



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Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	824.2	9.43	$\leq 13$	Pass
			836.6	4.07	$\leq 13$	Pass
			848.8	4.29	$\leq 13$	Pass
	EGPRS	4 TX Slots	824.2	9.88	$\leq 13$	Pass
			836.6	10.00	$\leq 13$	Pass
			848.8	6.89	$\leq 13$	Pass

Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	1850.2	9.61	$\leq 13$	Pass
			1880	4.10	$\leq 13$	Pass
			1909.8	4.17	$\leq 13$	Pass
	EGPRS	4 TX Slots	1850.2	12.72	$\leq 13$	Pass
			1880	7.57	$\leq 13$	Pass
			1909.8	7.38	$\leq 13$	Pass



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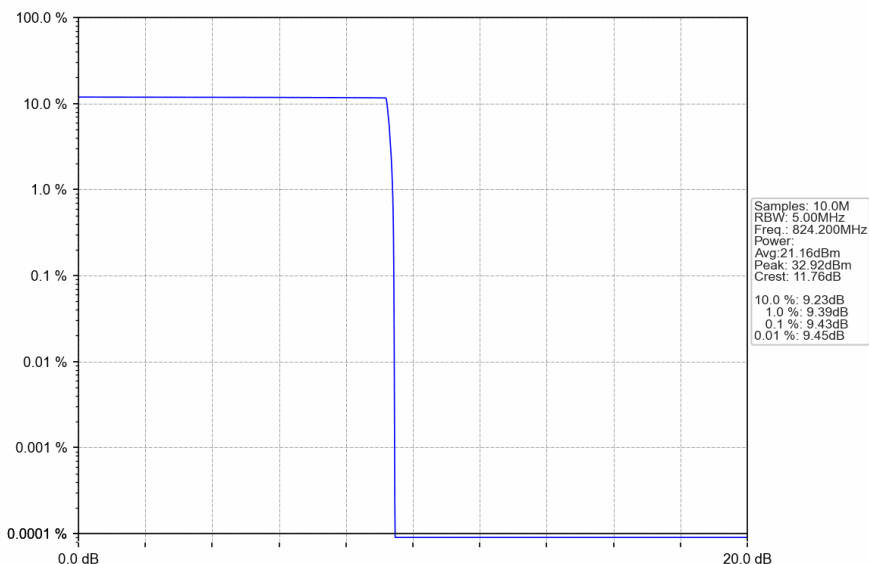
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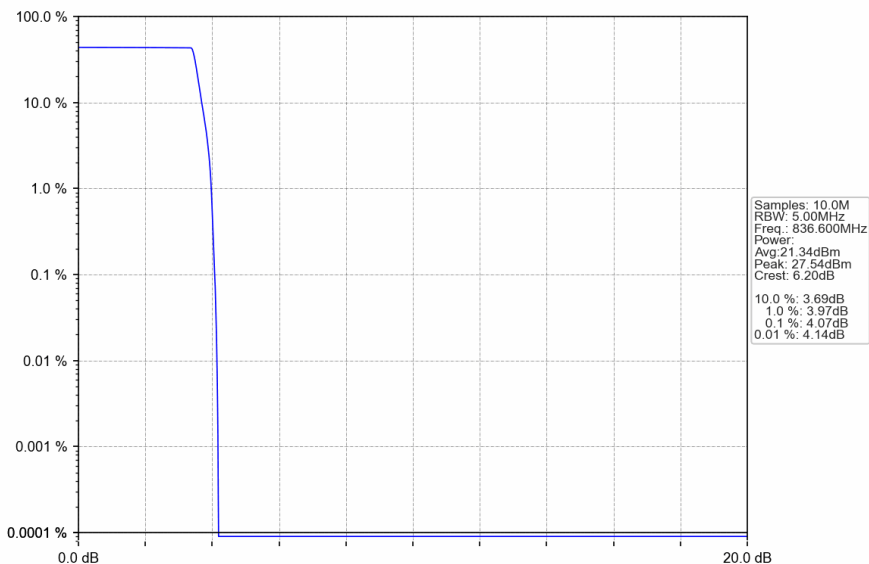
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### GSM850\_GPRS\_LCH\_824.2MHz\_4 TX Slots\_NTNV



### GSM850\_GPRS\_MCH\_836.6MHz\_4 TX Slots\_NTNV



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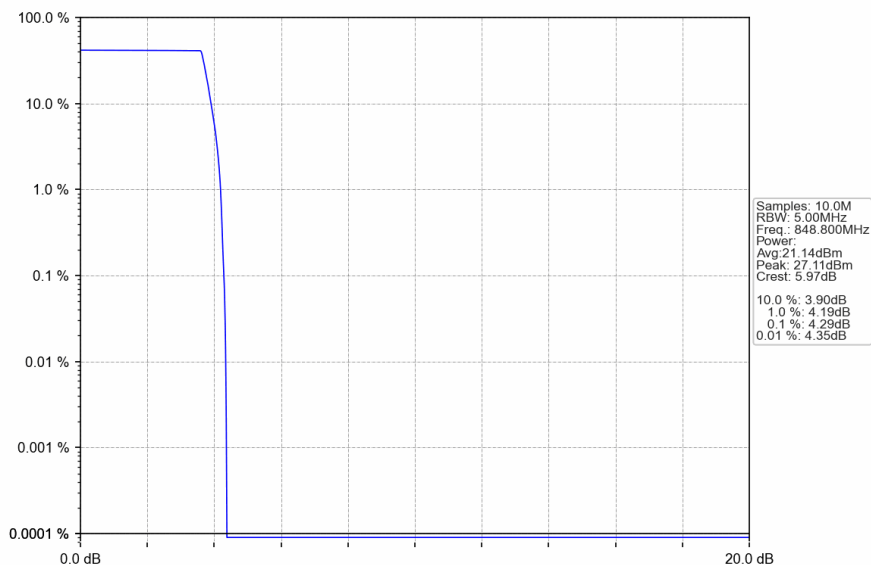
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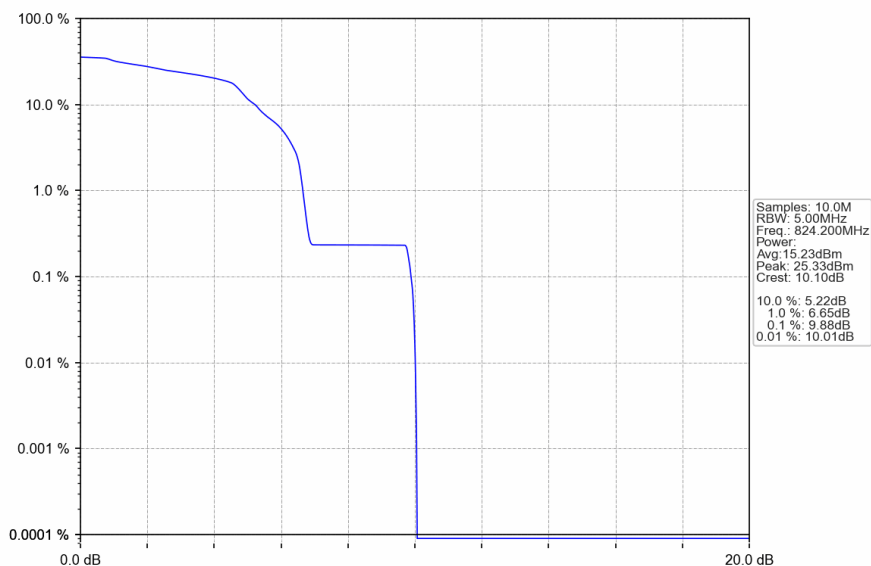
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### GSM850\_GPRS\_HCH\_848.8MHz\_4 TX Slots\_NTNV



### GSM850\_EGPRS\_LCH\_824.2MHz\_4 TX Slots\_NTNV



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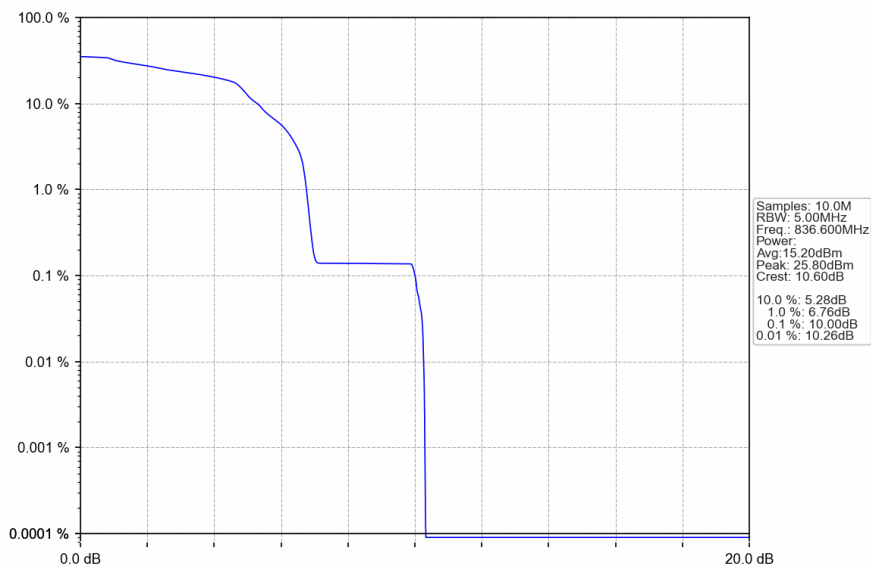
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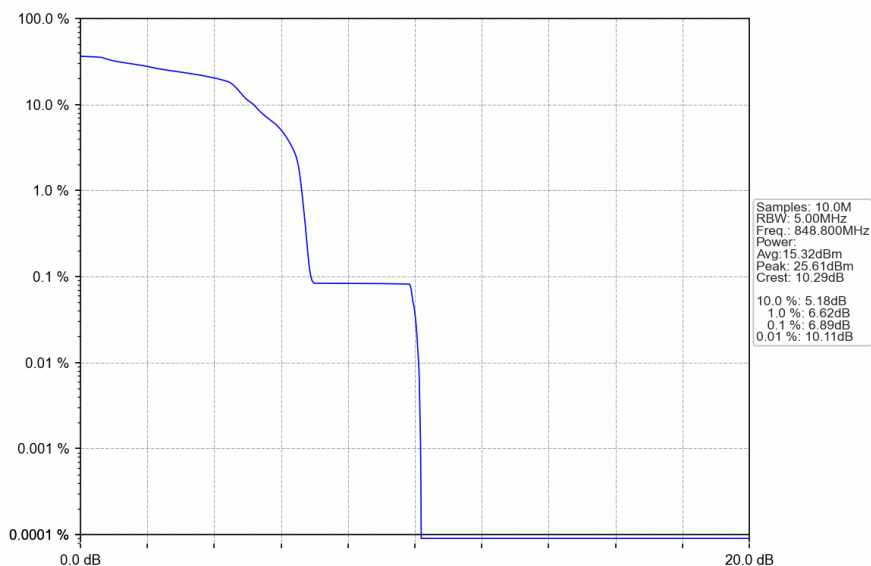
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### GSM850\_EGPRS\_MCH\_836.6MHz\_4 TX Slots\_NTNV



### GSM850\_EGPRS\_HCH\_848.8MHz\_4 TX Slots\_NTNV



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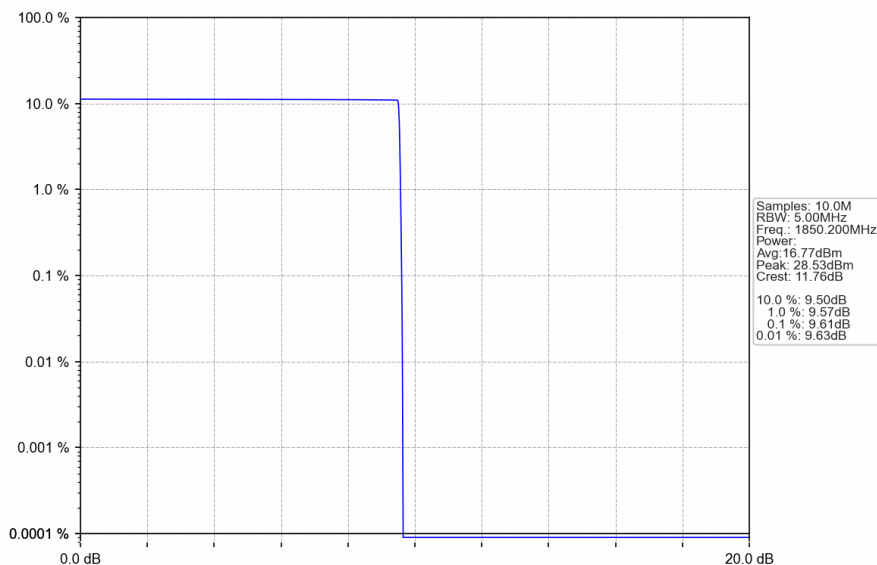
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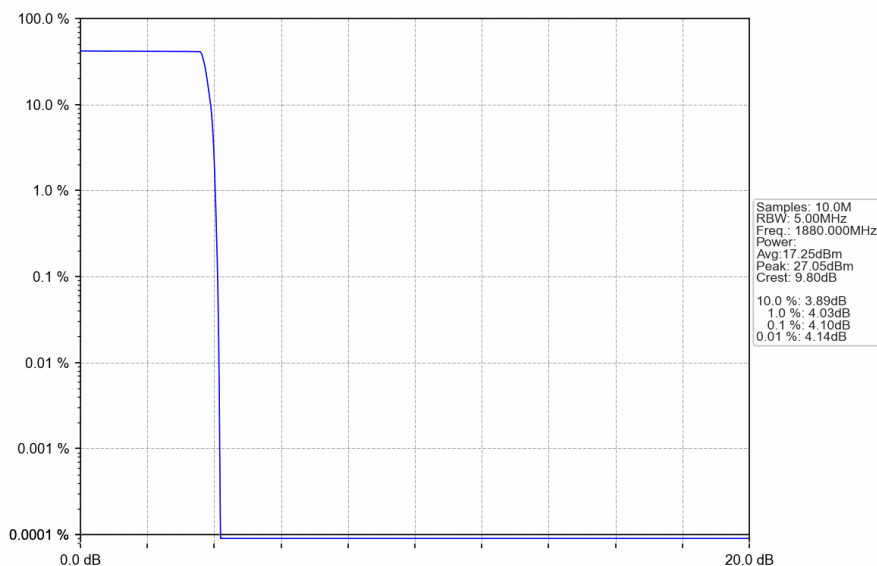
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PCS1900\_GPRS\_LCH\_1850.2MHz\_4 TX Slots\_NTNV



PCS1900\_GPRS\_MCH\_1880MHz\_4 TX Slots\_NTNV



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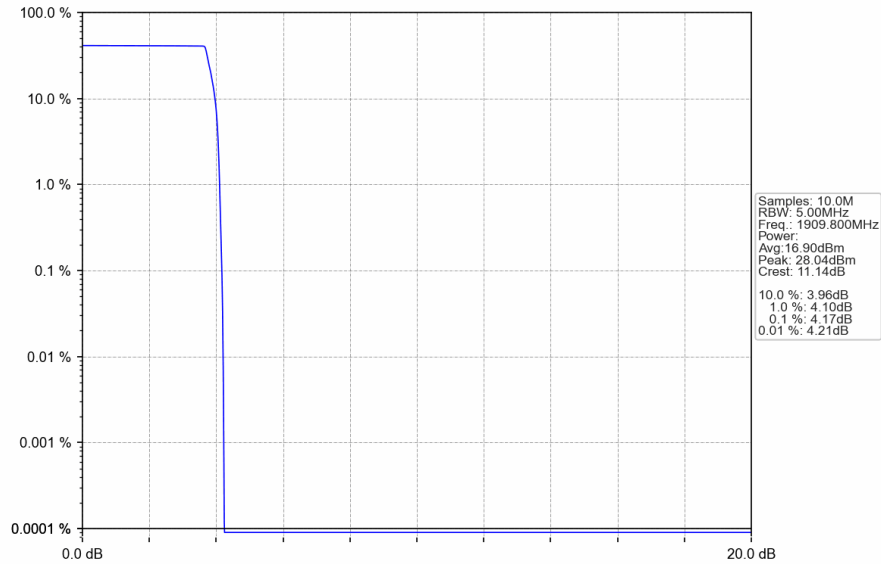
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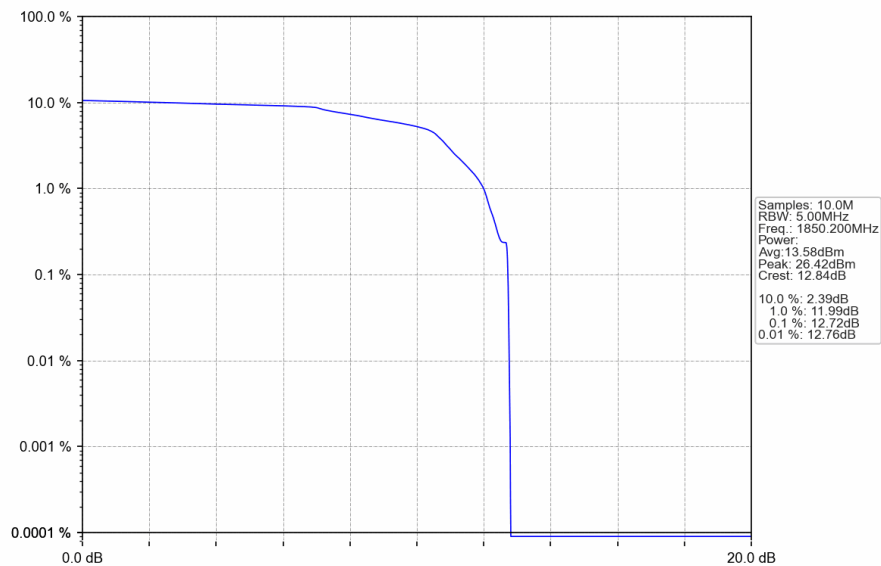
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PCS1900\_GPRS\_HCH\_1909.8MHz\_4 TX Slots\_NTNV



PCS1900\_EGPRS\_LCH\_1850.2MHz\_4 TX Slots\_NTNV



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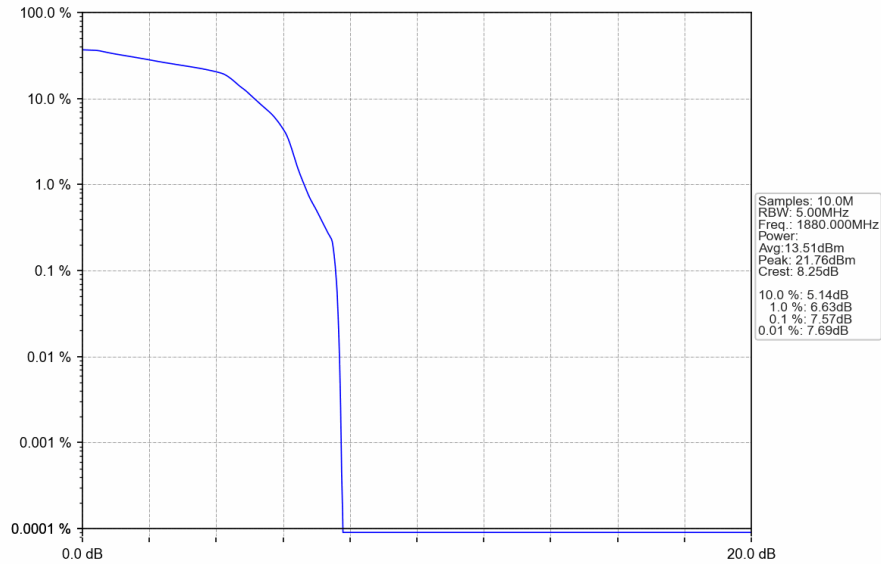
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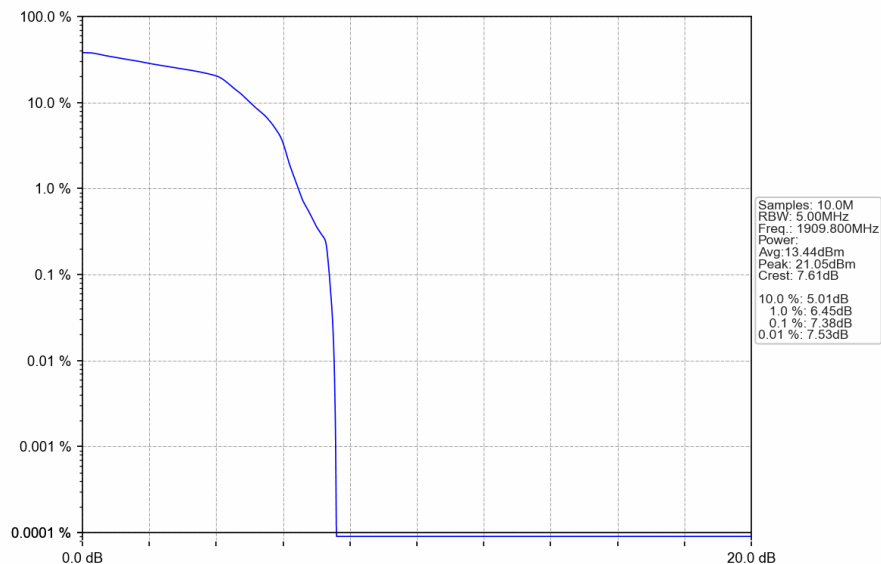
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PCS1900\_EGPRS\_MCH\_1880MHz\_4 TX Slots\_NTNV



PCS1900\_EGPRS\_HCH\_1909.8MHz\_4 TX Slots\_NTNV



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### 6.3 Modulation Characteristics

Test Requirement: §2.1047  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: Digital modulation

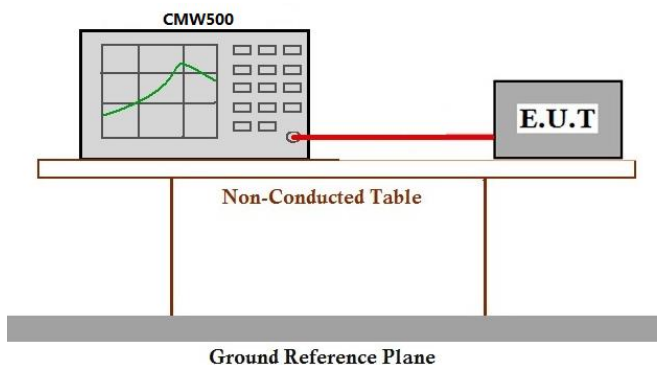
#### 6.3.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.3.3 Test Setup Diagram



#### 6.3.4 Measurement Procedure and Data

Pass, it's digital modulation device.



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### 6.4 Bandwidth

Test Requirement: §2.1049(h), §22.917, §24.238  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: OBW: No limit  
 EBW: No limit

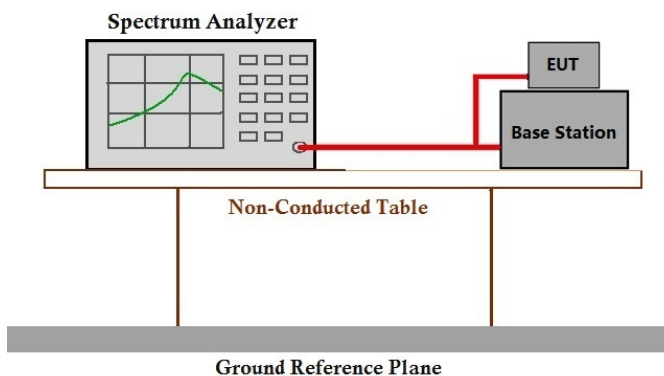
#### 6.4.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.4.3 Test Setup Diagram



#### 6.4.4 Measurement Procedure and Data



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## Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Band: GSM850					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GPRS	1 TX Slot	824.2	0.246	Pass
			836.6	0.240	Pass
			848.8	0.245	Pass
	EGPRS	1 TX Slot	824.2	0.245	Pass
			836.6	0.236	Pass
			848.8	0.249	Pass

Band: GSM850					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GPRS	1 TX Slot	824.2	0.312	Pass
			836.6	0.319	Pass
			848.8	0.315	Pass
	EGPRS	1 TX Slot	824.2	0.301	Pass
			836.6	0.285	Pass
			848.8	0.313	Pass

Band: PCS1900					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GPRS	1 TX Slot	1850.2	0.245	Pass
			1880	0.248	Pass
			1909.8	0.241	Pass
	EGPRS	1 TX Slot	1850.2	0.247	Pass
			1880	0.250	Pass
			1909.8	0.245	Pass

Band: PCS1900					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GPRS	1 TX Slot	1850.2	0.317	Pass
			1880	0.313	Pass
			1909.8	0.311	Pass
	EGPRS	1 TX Slot	1850.2	0.306	Pass
			1880	0.311	Pass
			1909.8	0.320	Pass



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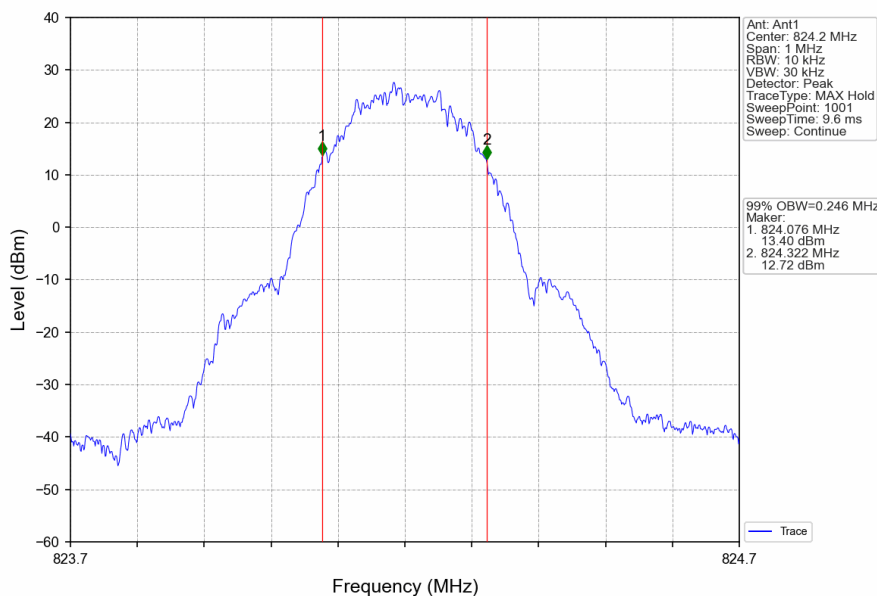
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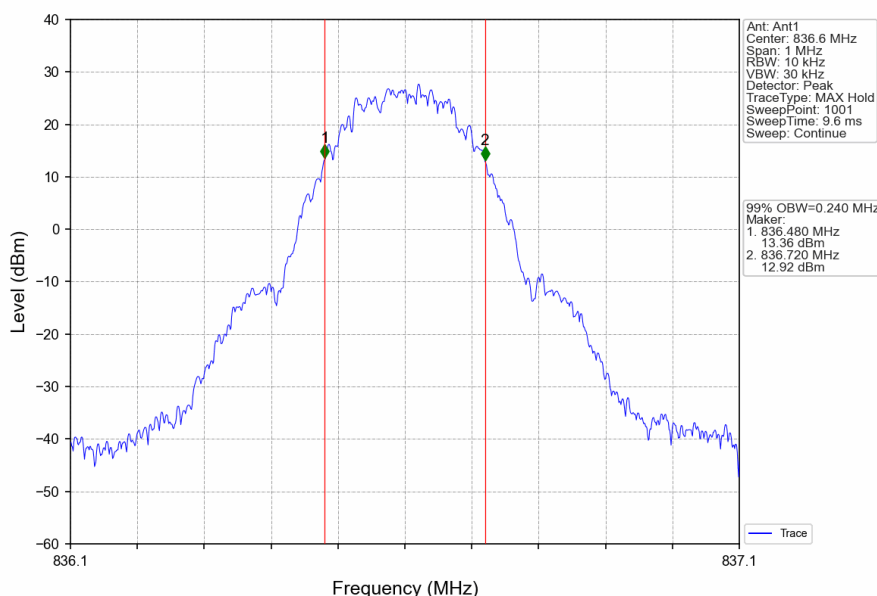
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### GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_GPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



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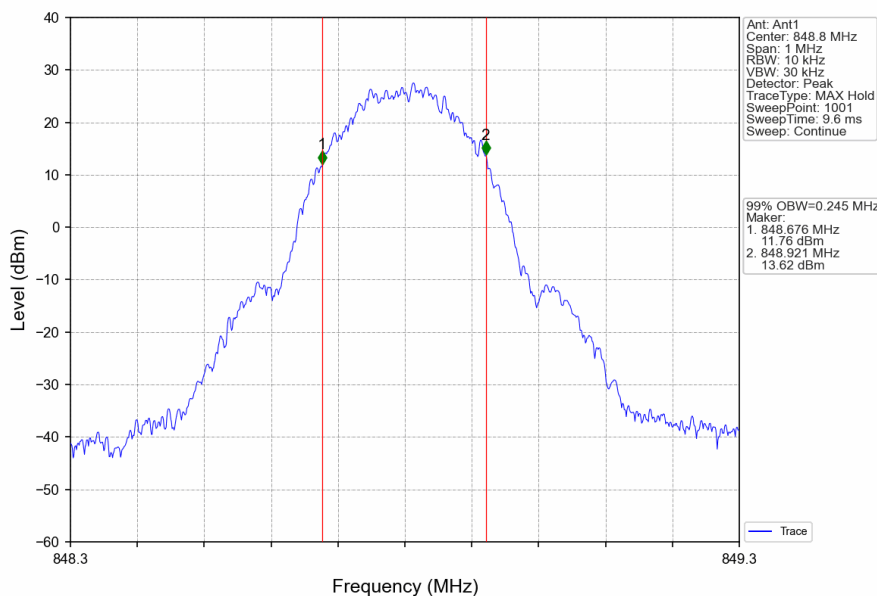
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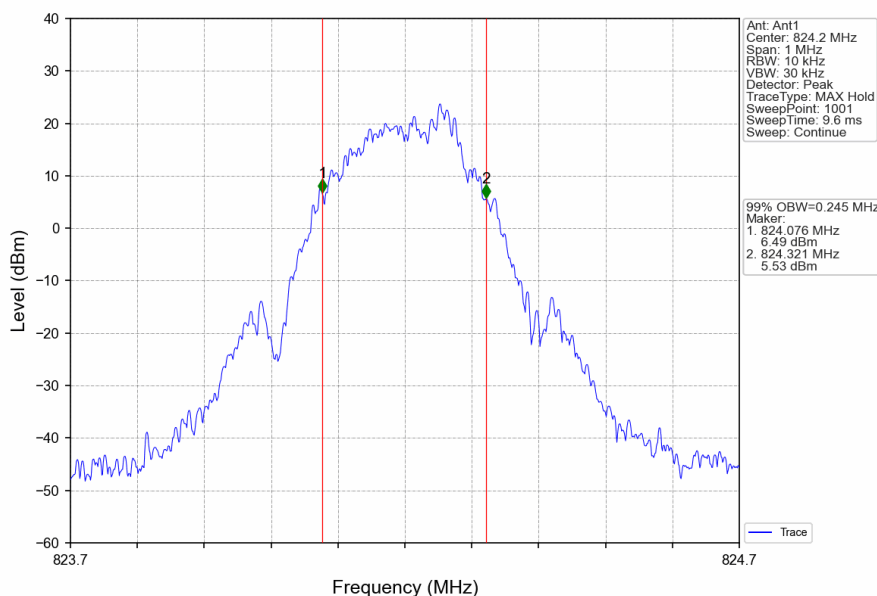
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### GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



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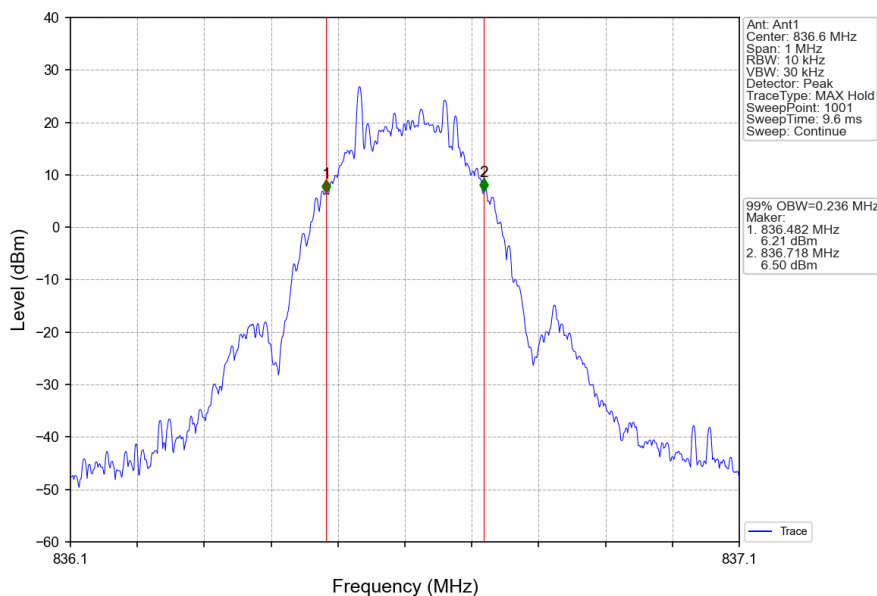
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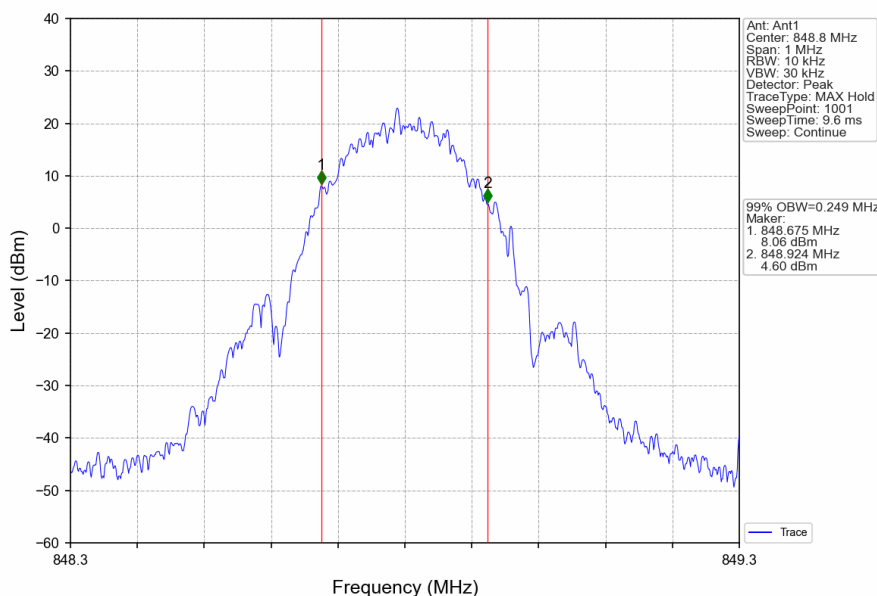
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### GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



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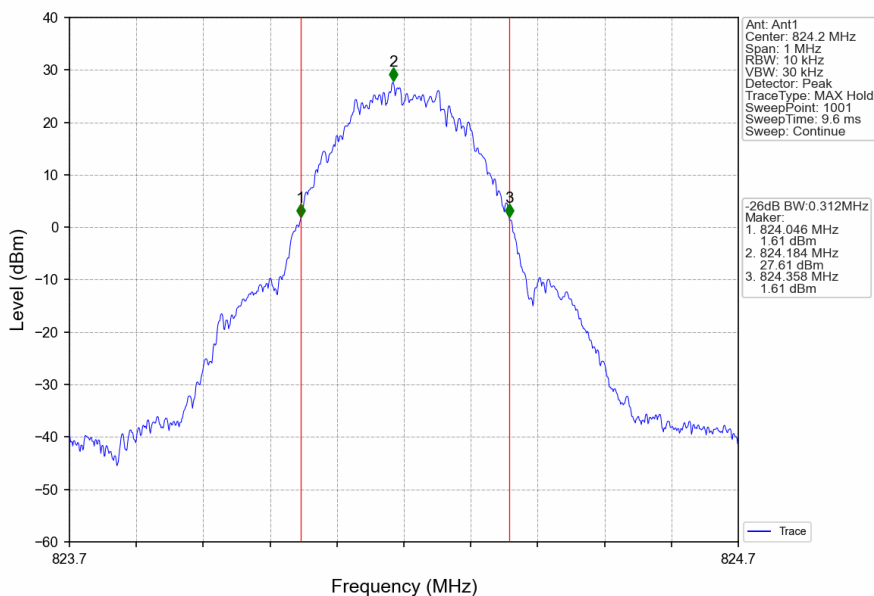
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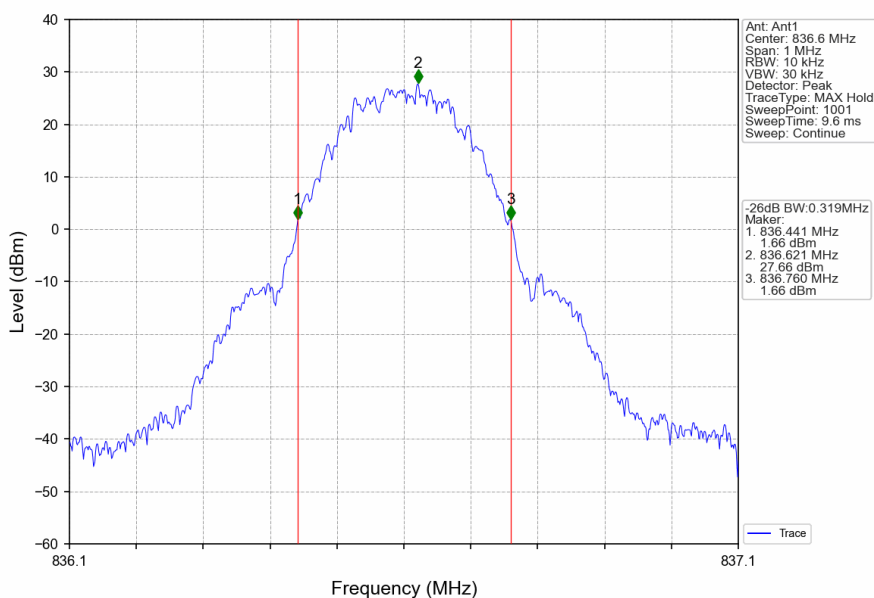
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### GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_GPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



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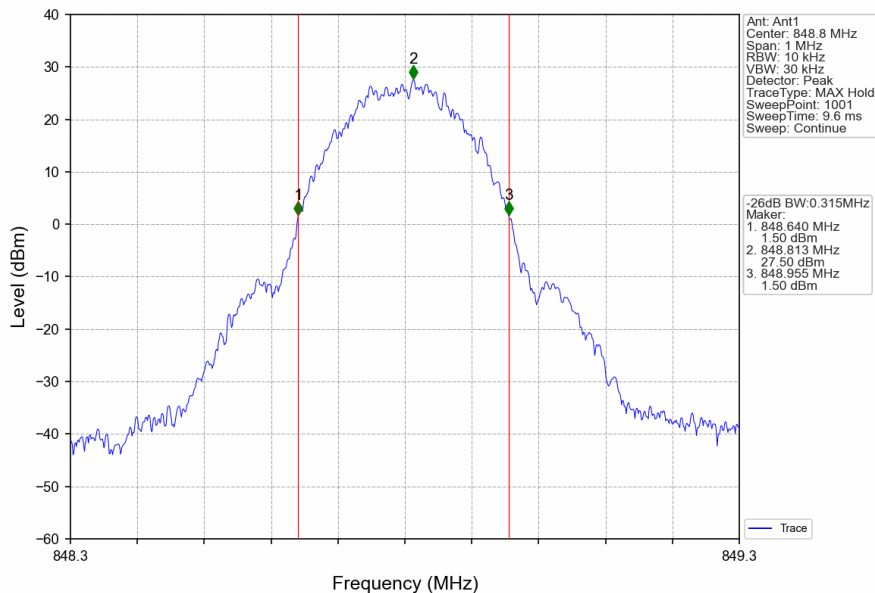
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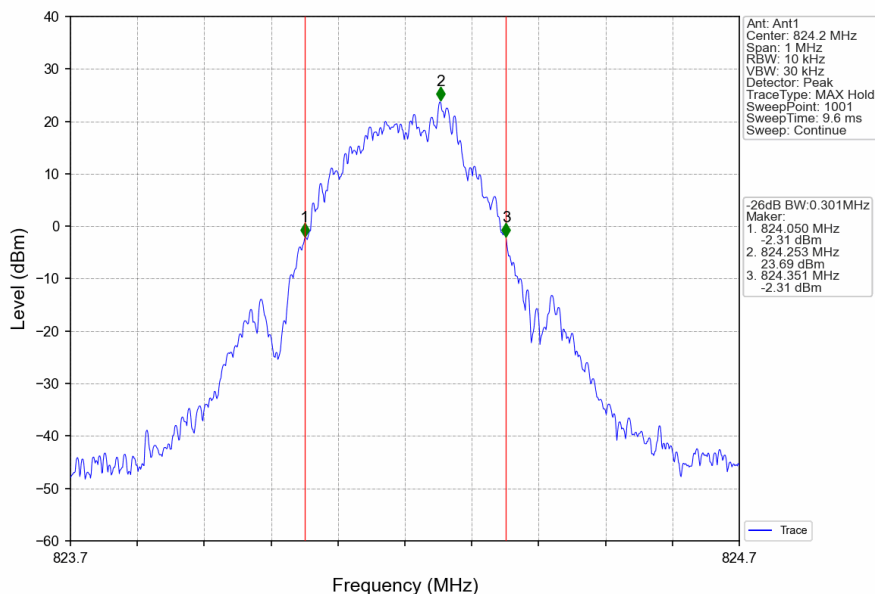
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### GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



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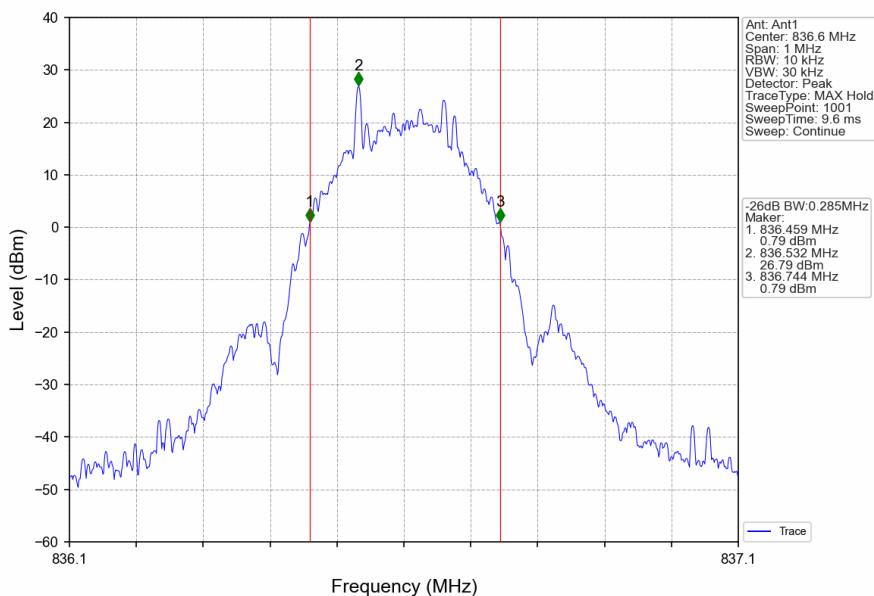
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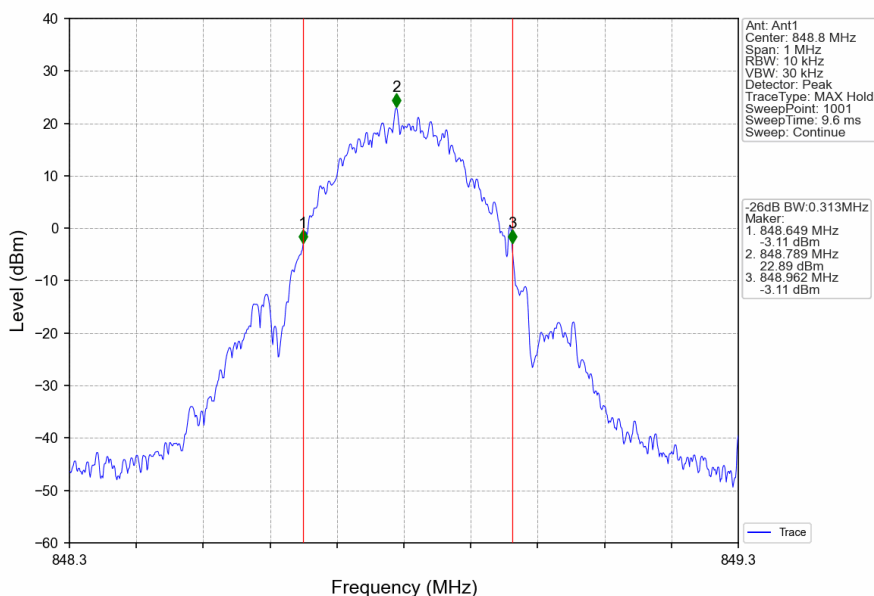
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### GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



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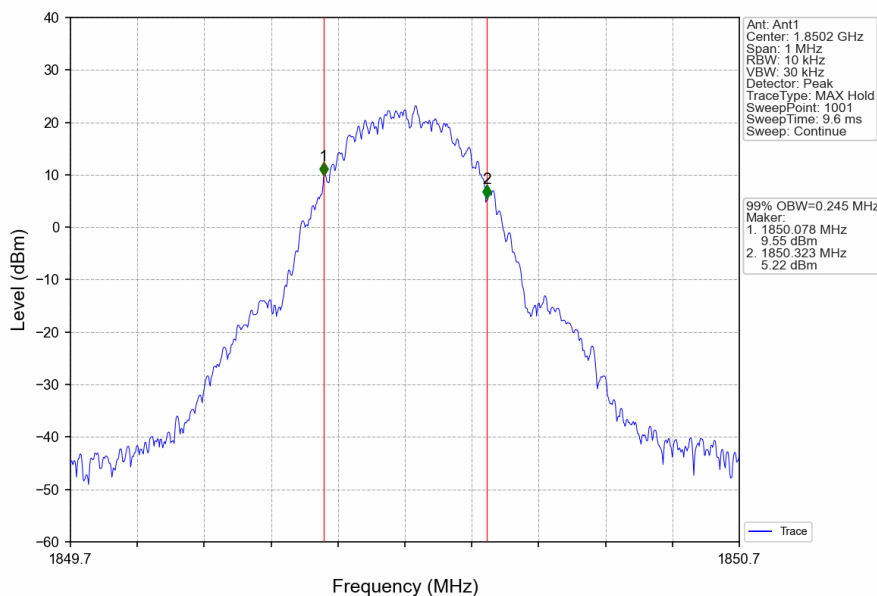
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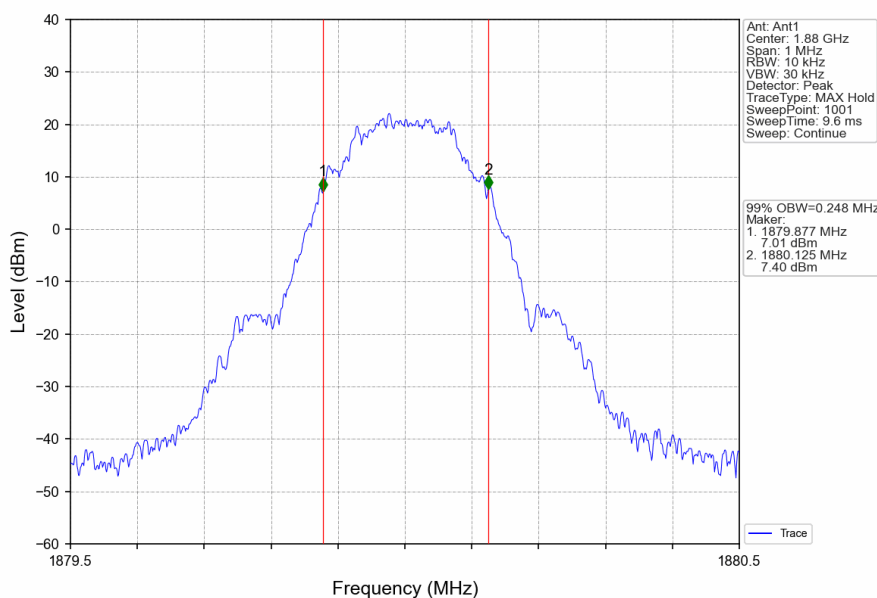
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### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



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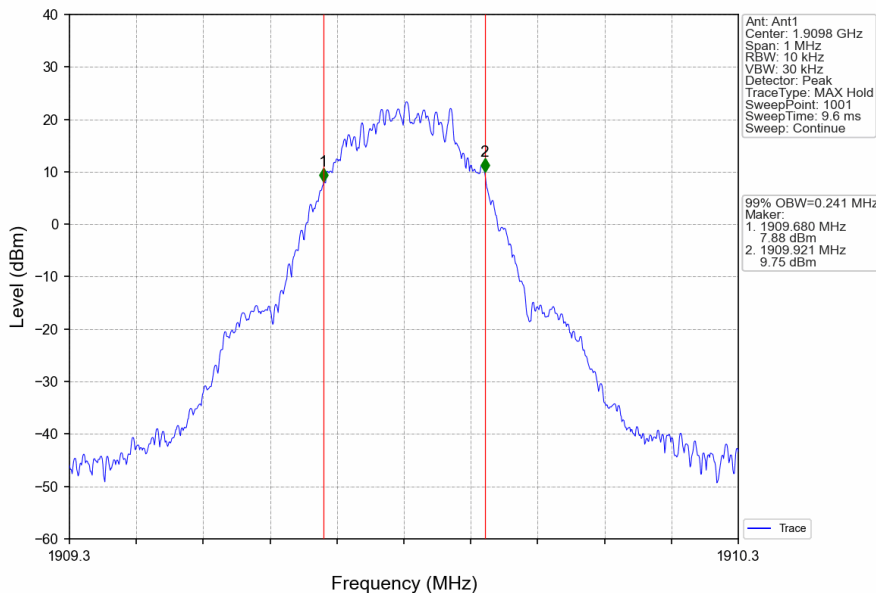
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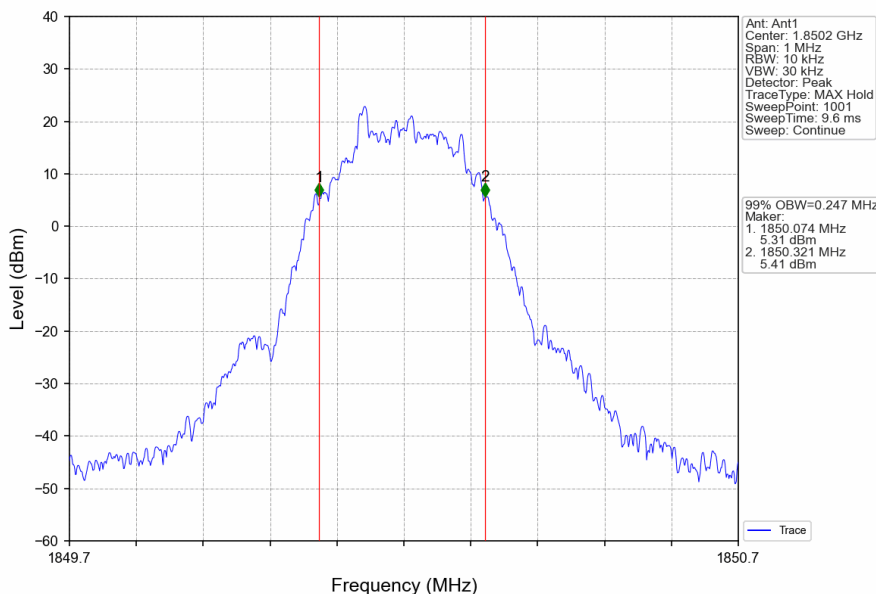
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### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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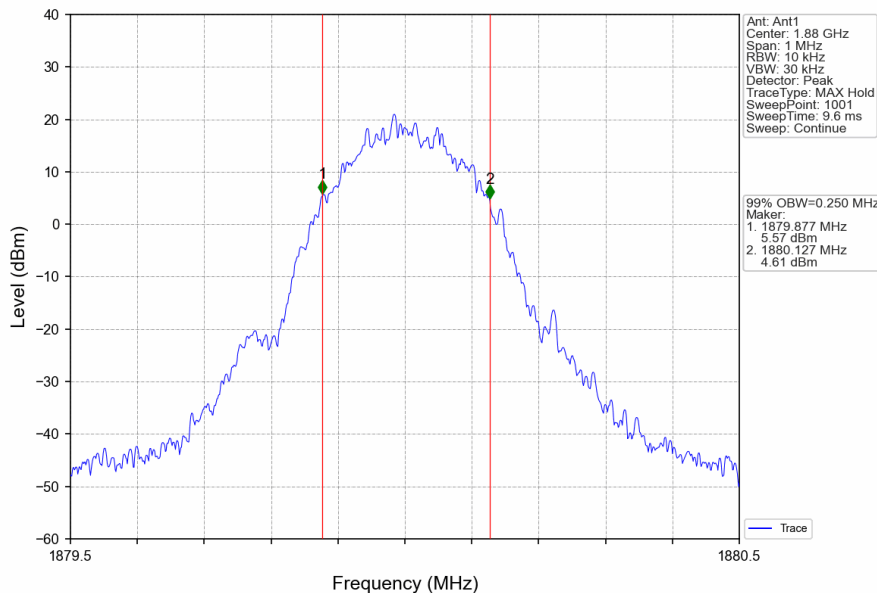
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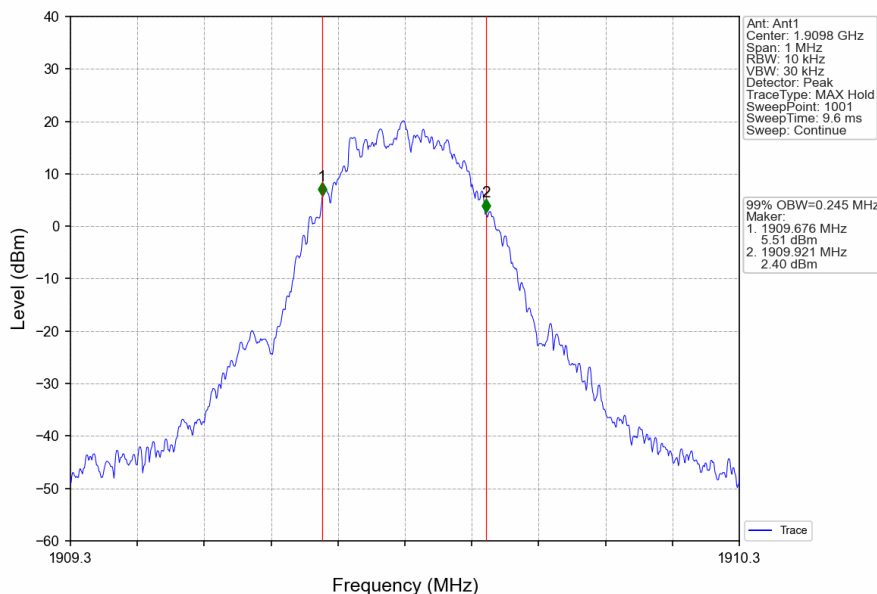
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### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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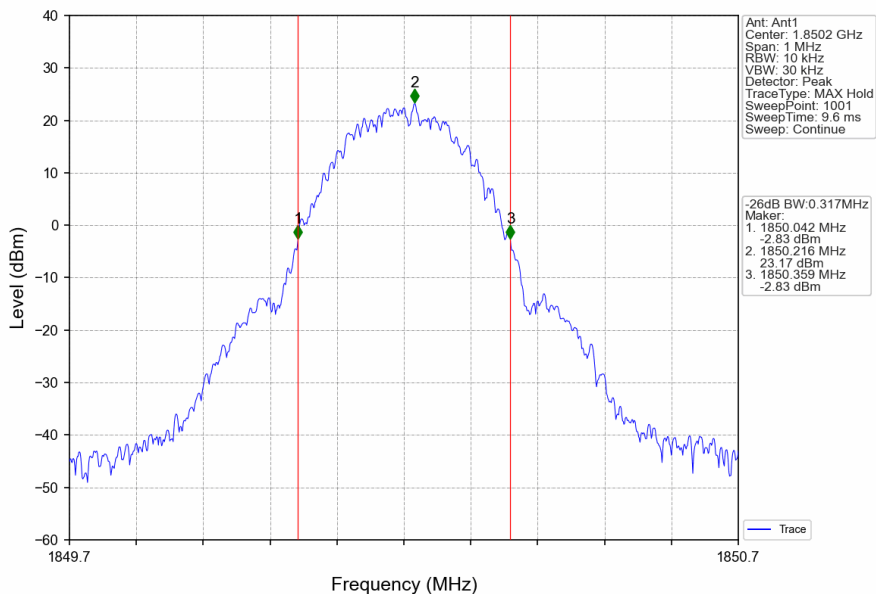
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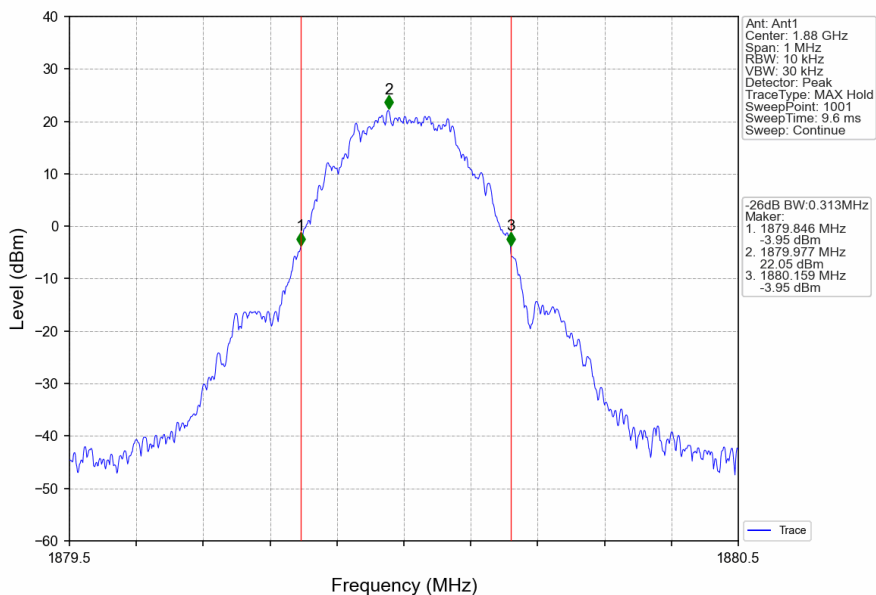
Report No.: FYCR220700028506

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### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



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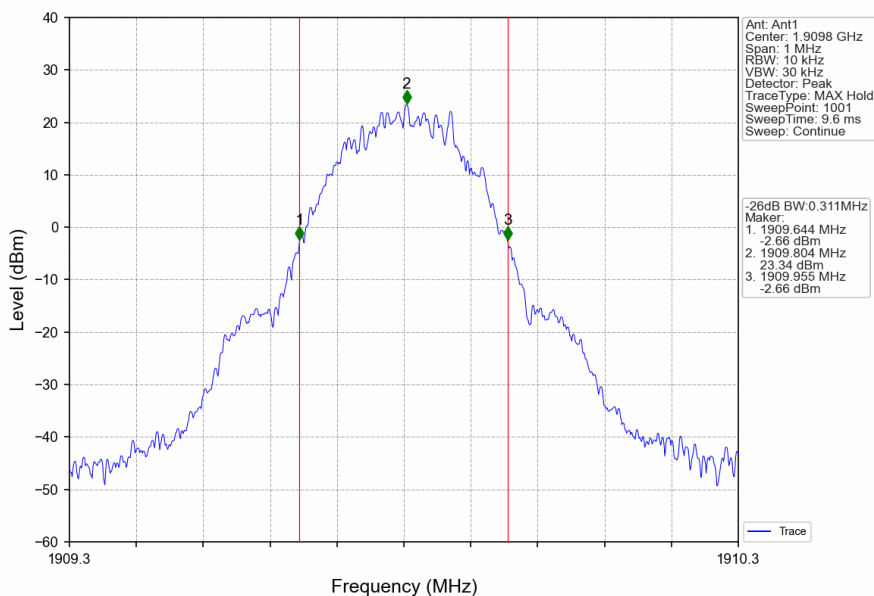
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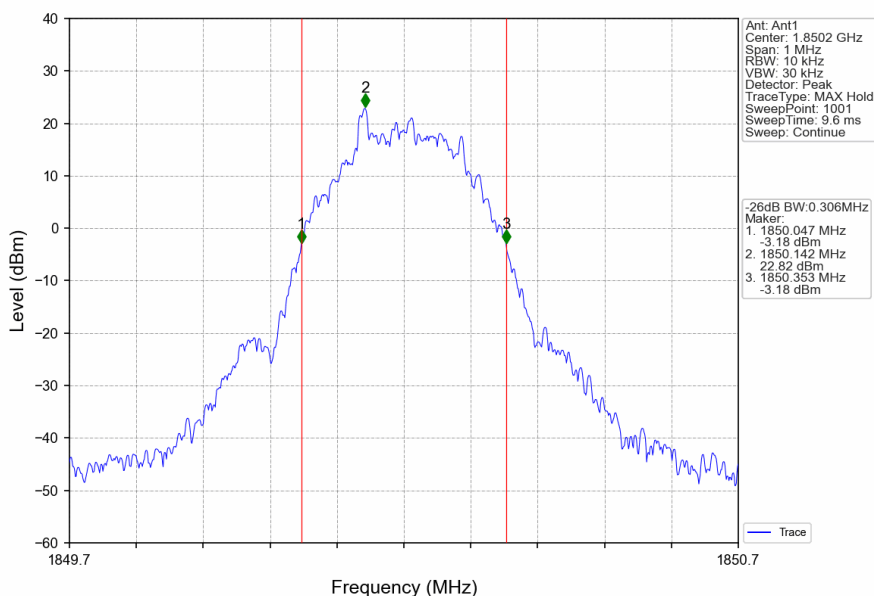
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### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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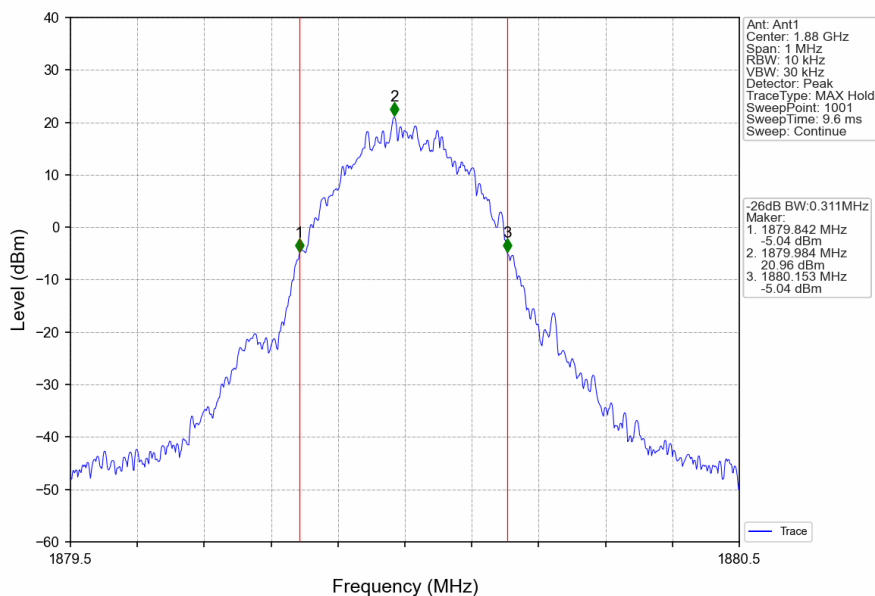
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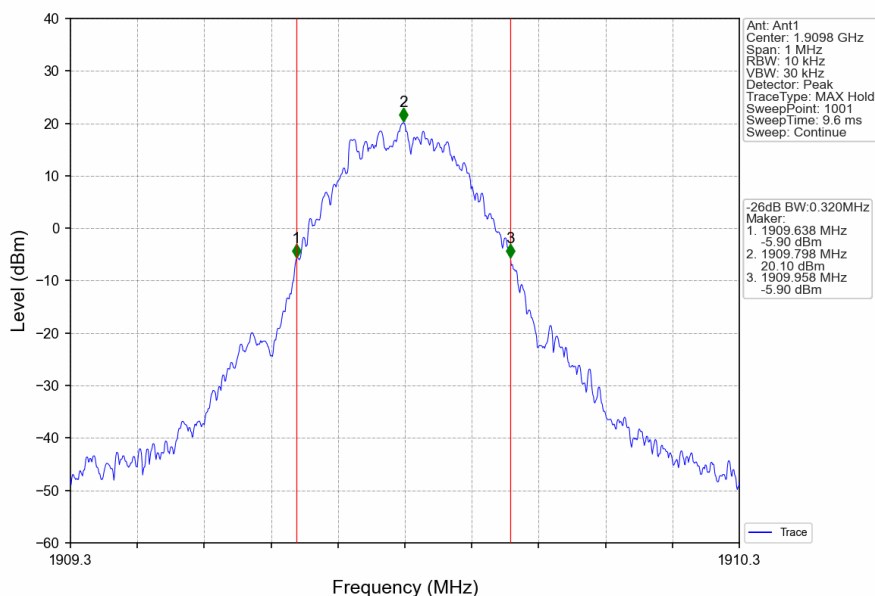
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### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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### 6.5 Band Edge Compliance

Test Requirement: §2.1051, §22.917, §24.238  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}/1\% \cdot \text{EBW}$ , in 1 MHz bands immediately outside and adjacent to the frequency block.

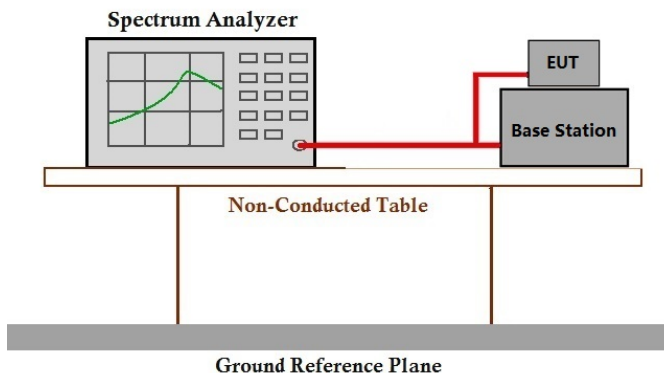
#### 6.5.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.5.3 Test Setup Diagram



#### 6.5.4 Measurement Procedure and Data



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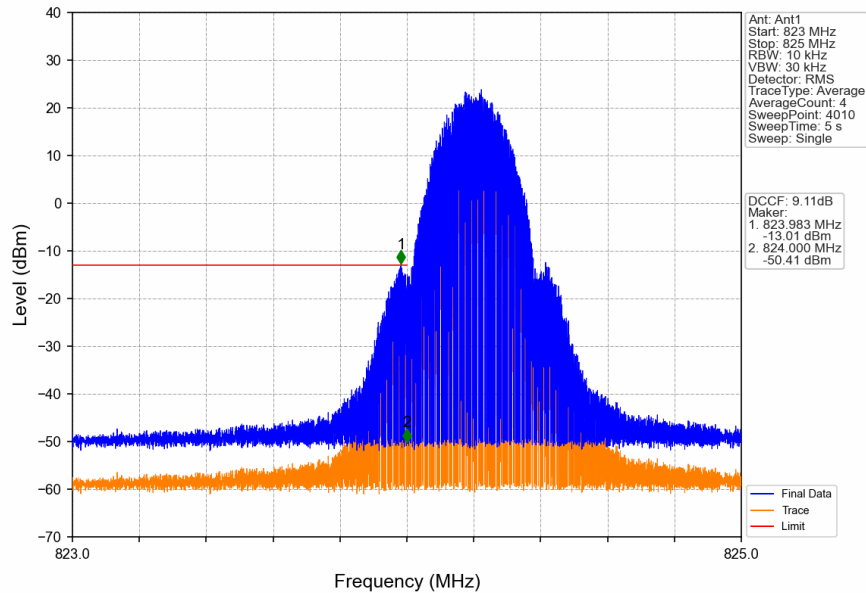
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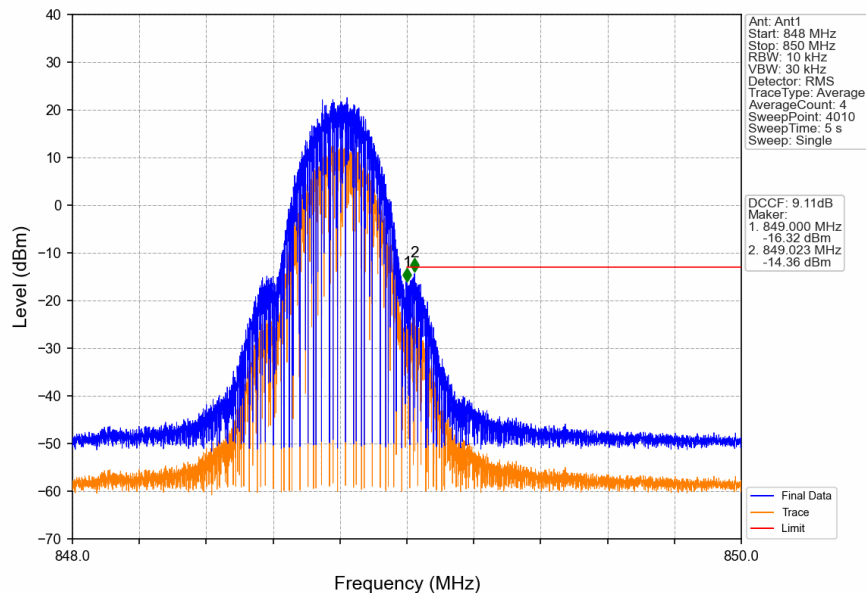
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### GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



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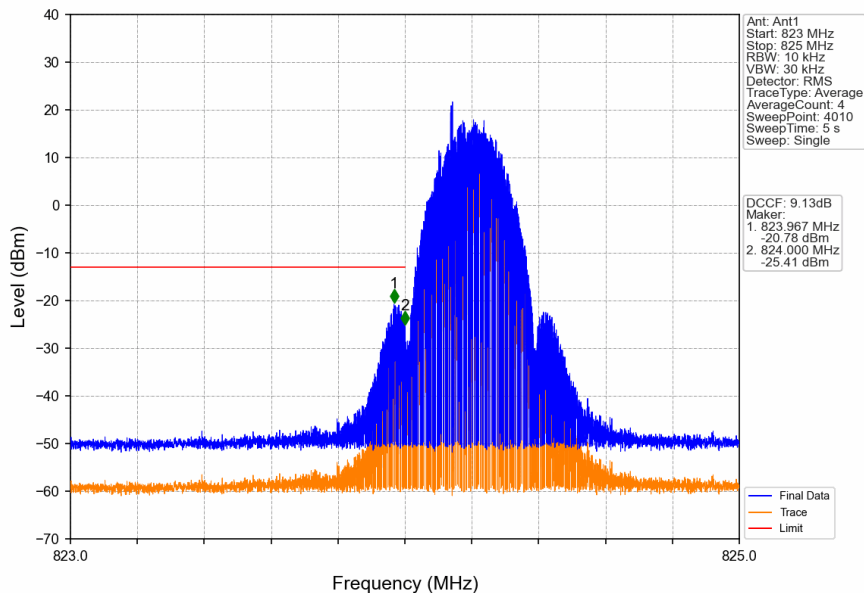
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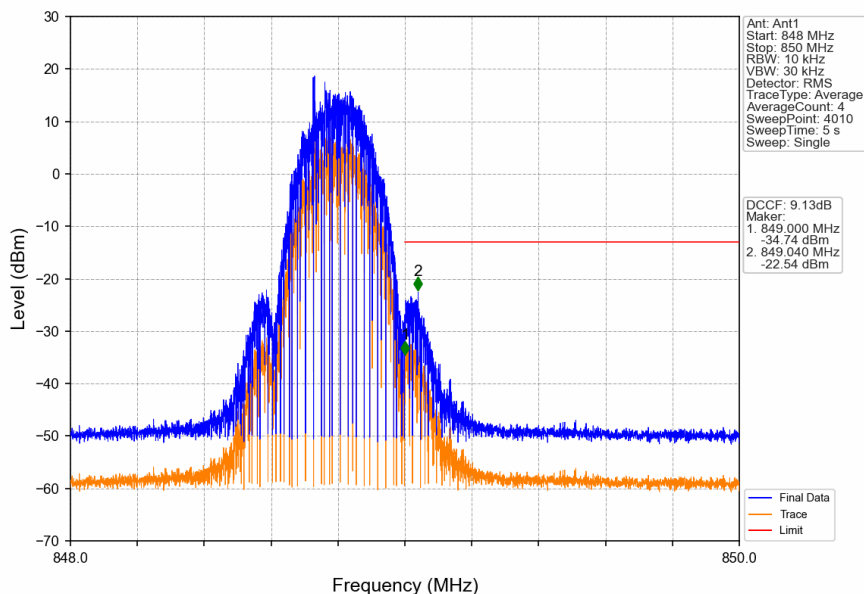
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### GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



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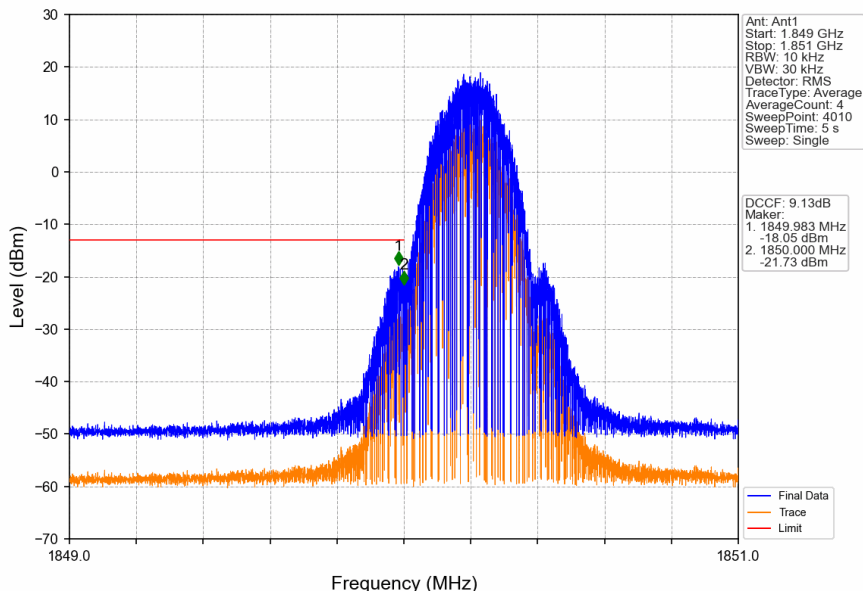
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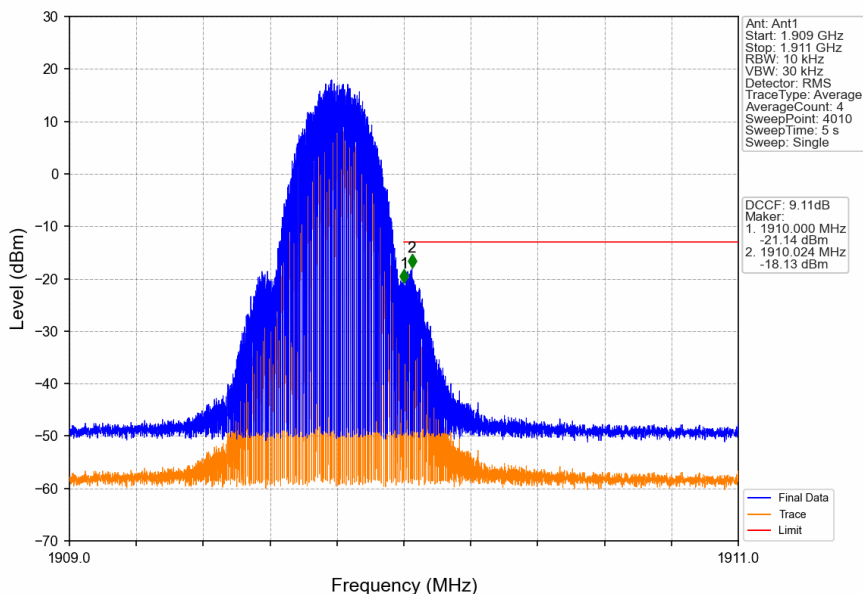
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### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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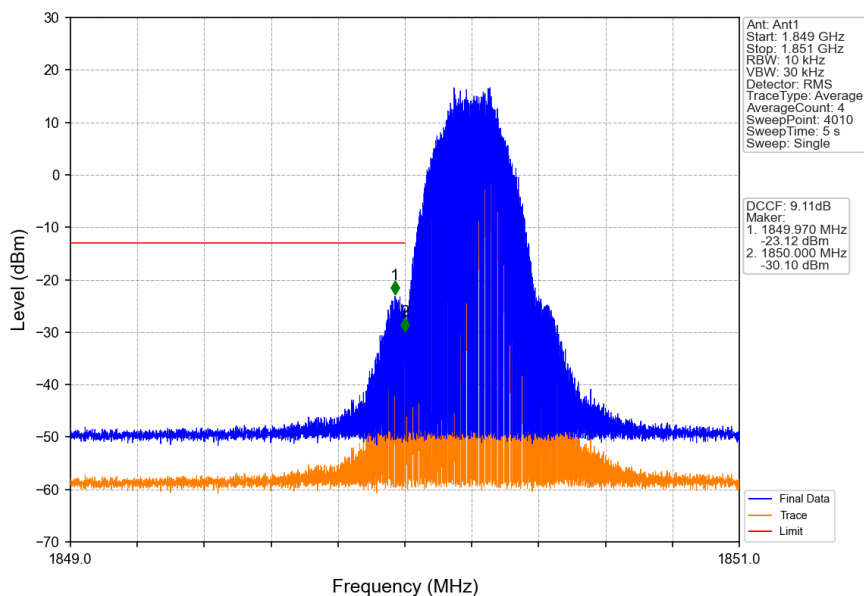
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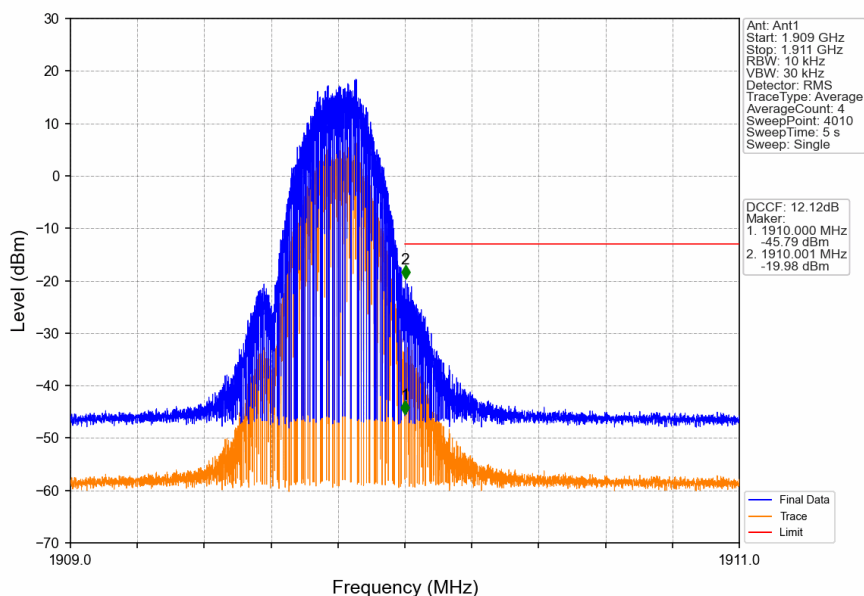
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### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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### 6.6 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §22.917, §24.238  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}$

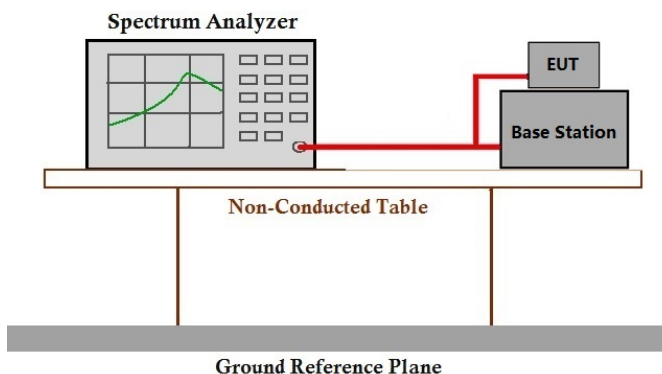
#### 6.6.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.6.3 Test Setup Diagram



#### 6.6.4 Measurement Procedure and Data



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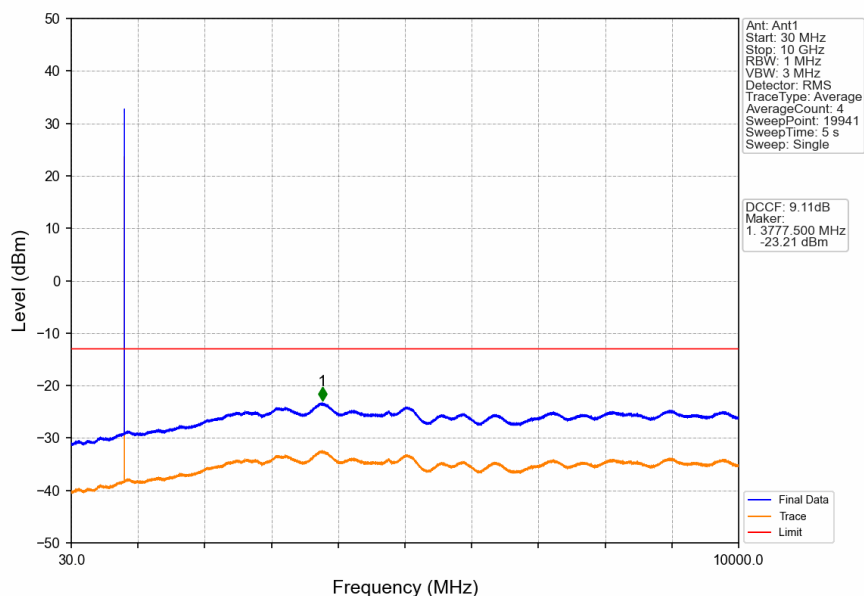
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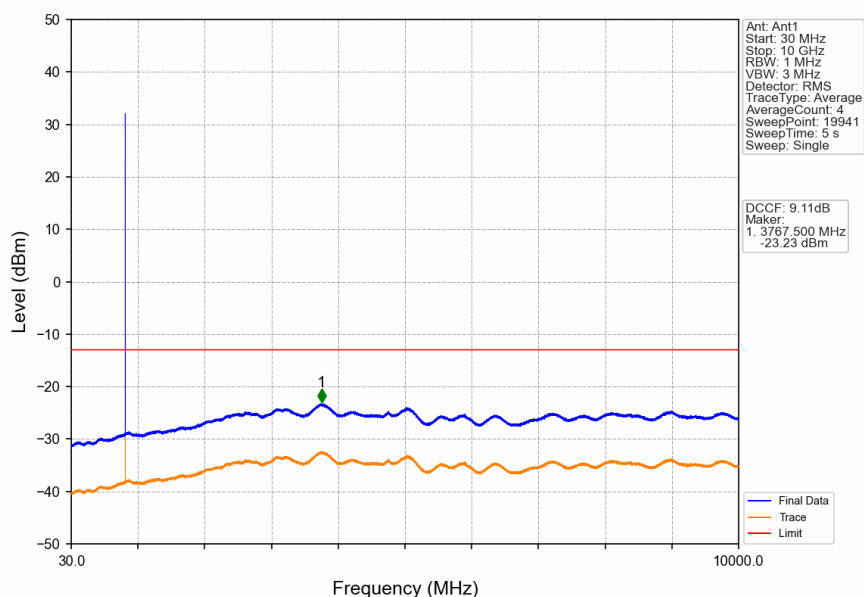
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### GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_GPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



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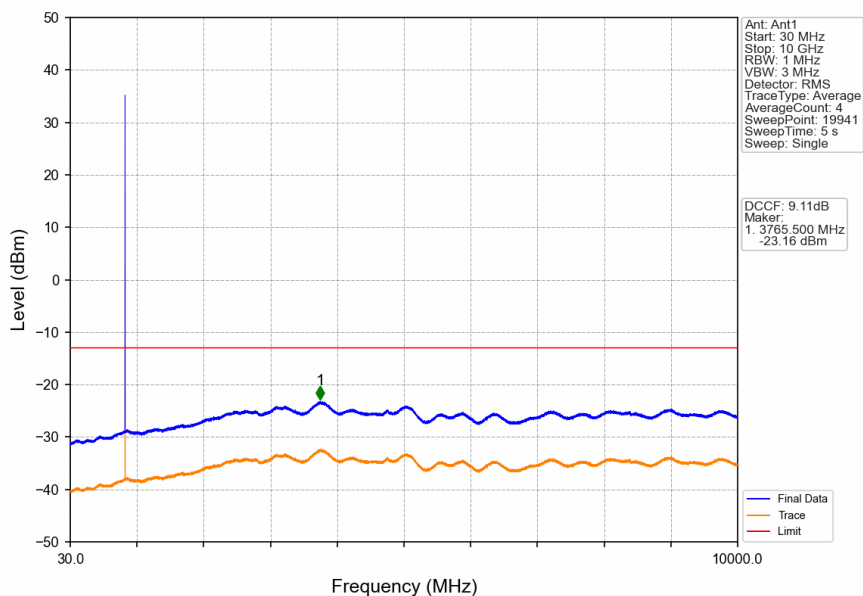
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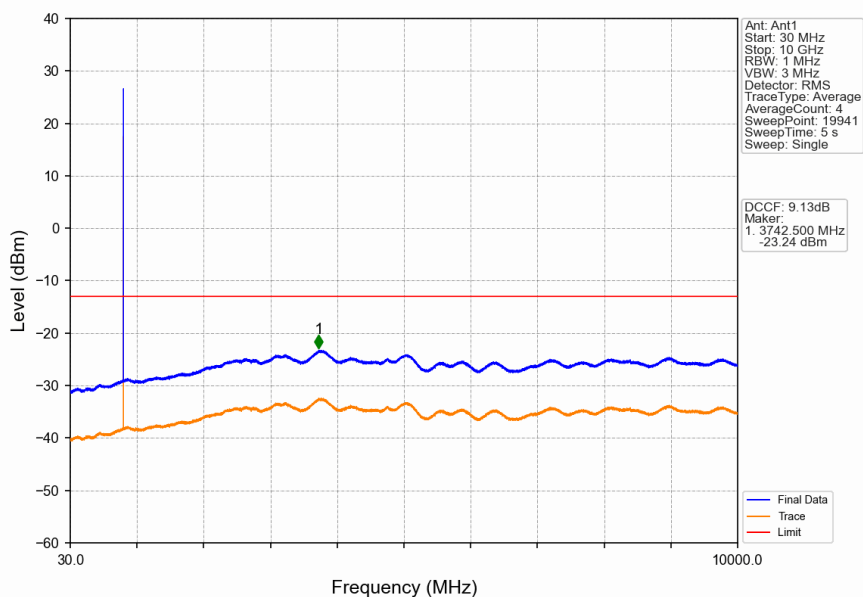
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### GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



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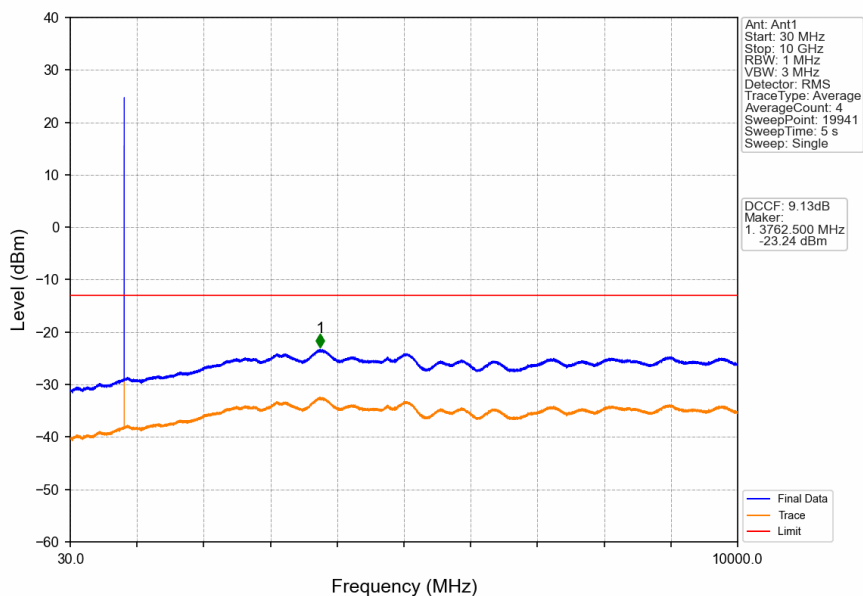
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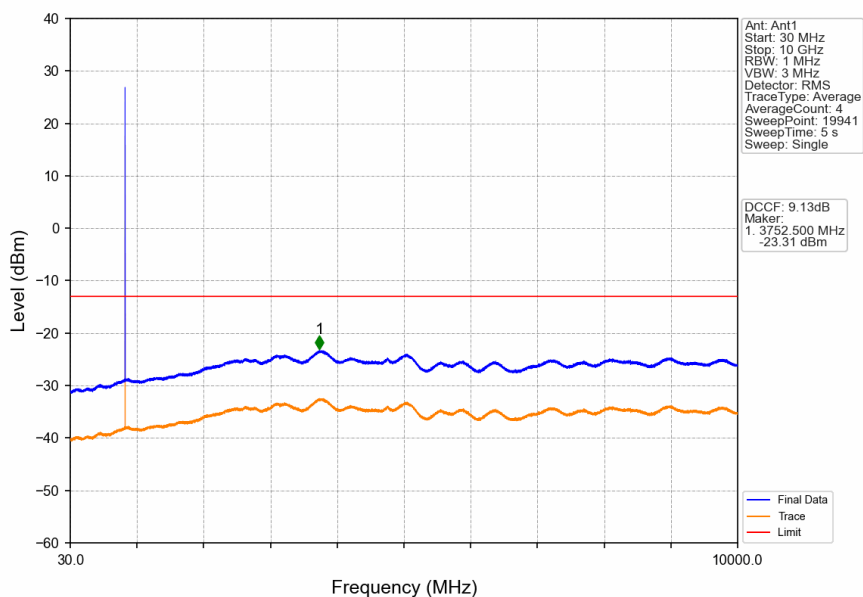
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### GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



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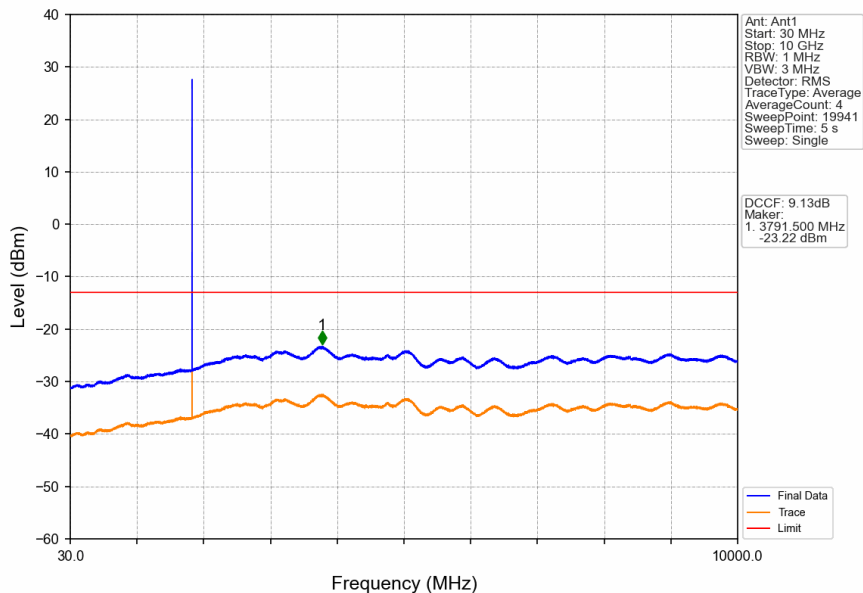
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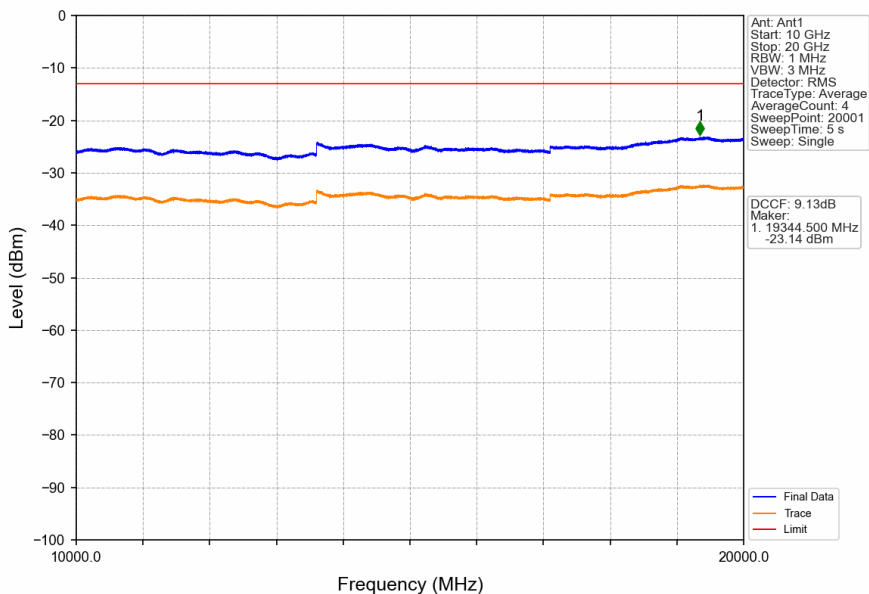
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### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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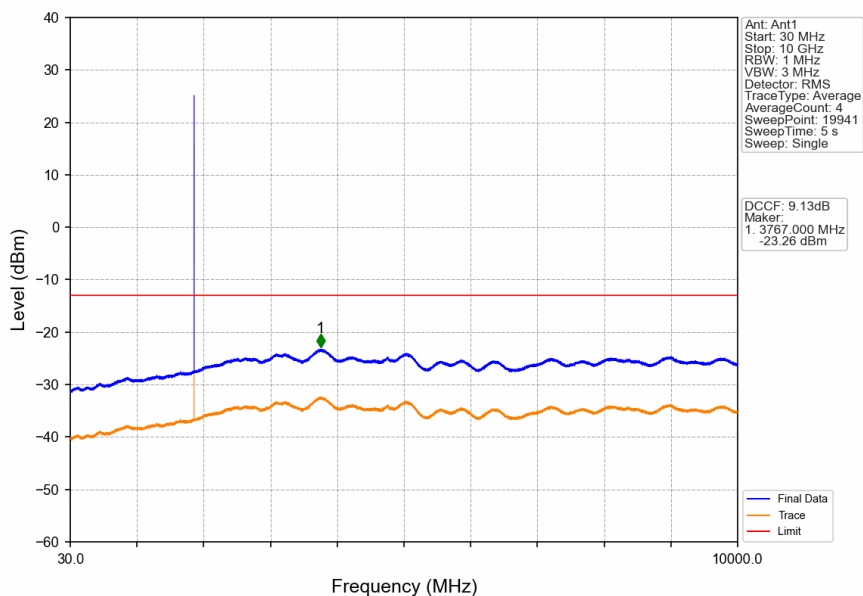
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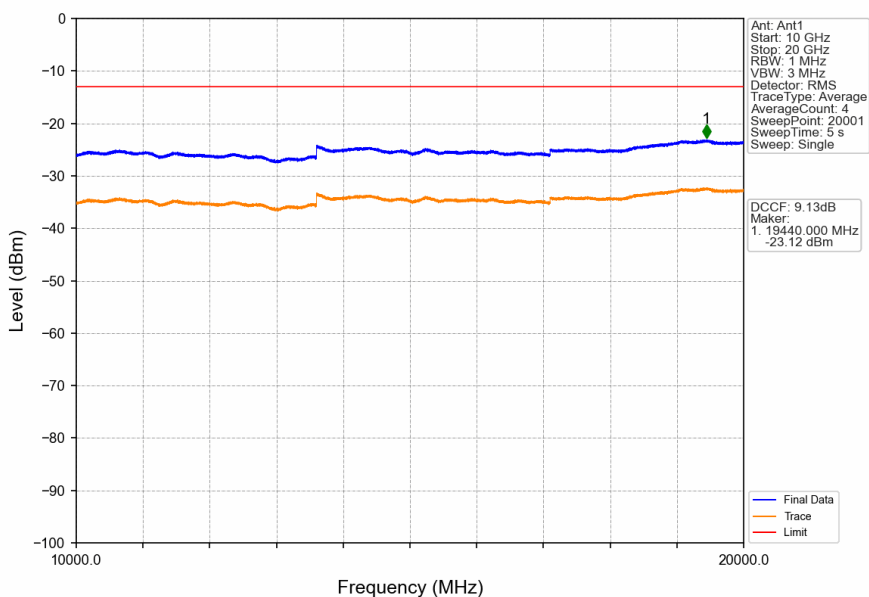
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### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



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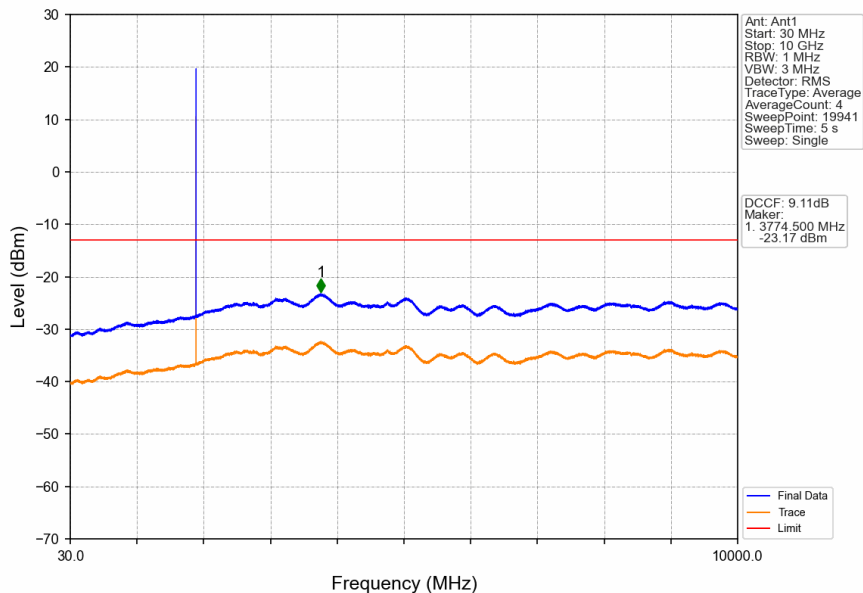
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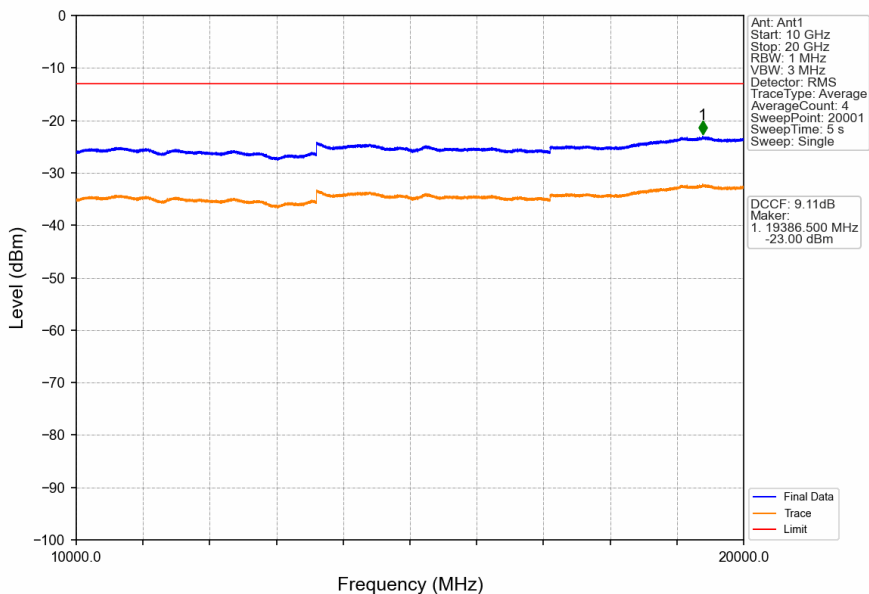
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### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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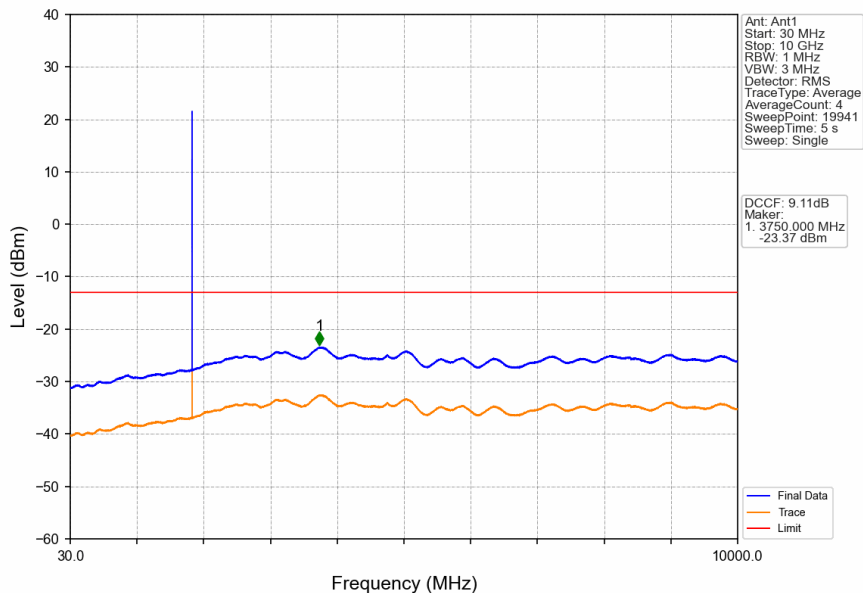
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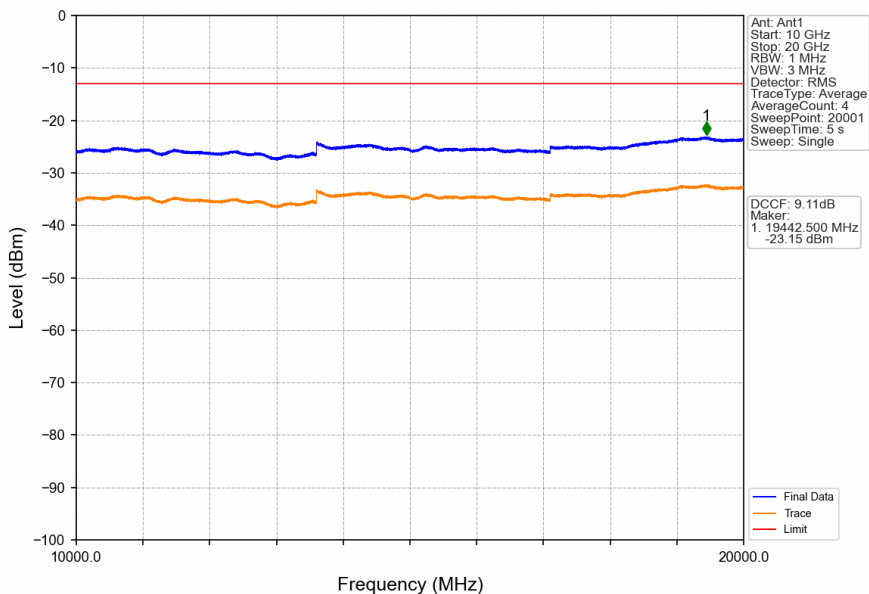
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### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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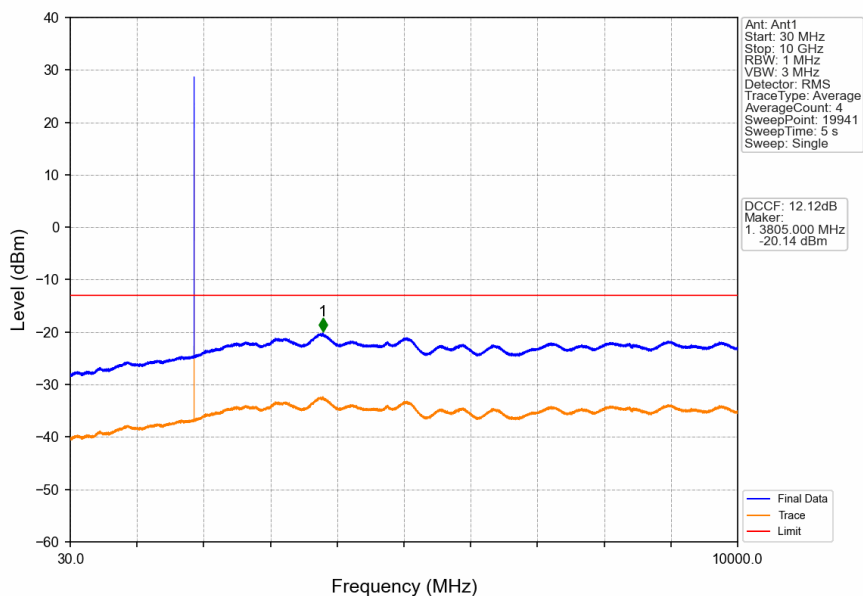
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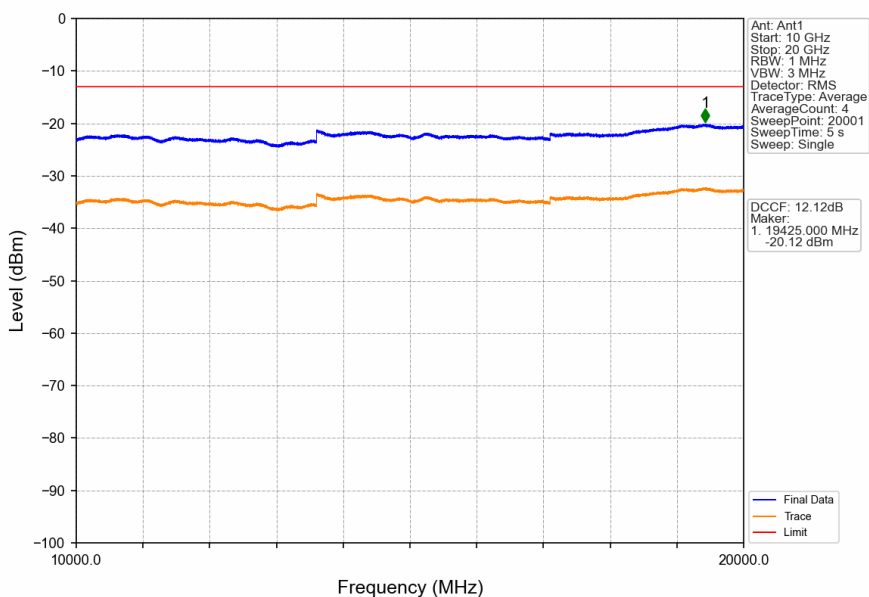
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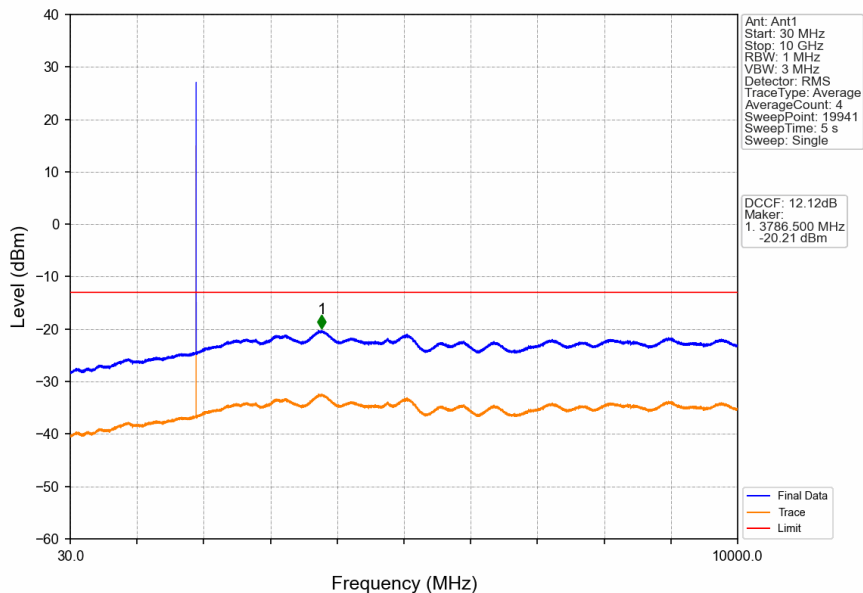
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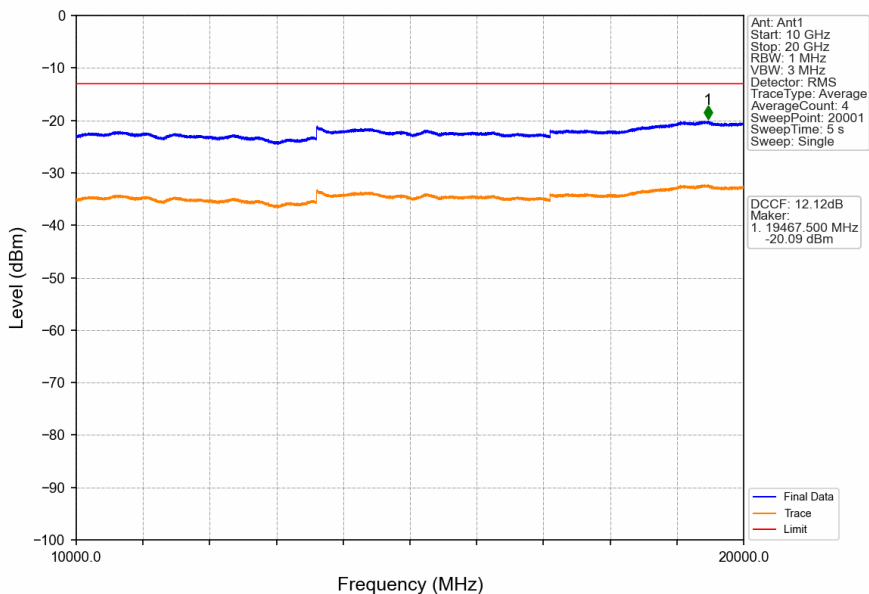
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### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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### 6.7 Field strength of spurious radiation

Test Requirement: §2.1051, §22.917, §24.238

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit:  $\leq -13\text{dBm}$

Limit:  $\leq -13\text{dBm}$

#### 6.7.1 E.U.T. Operation

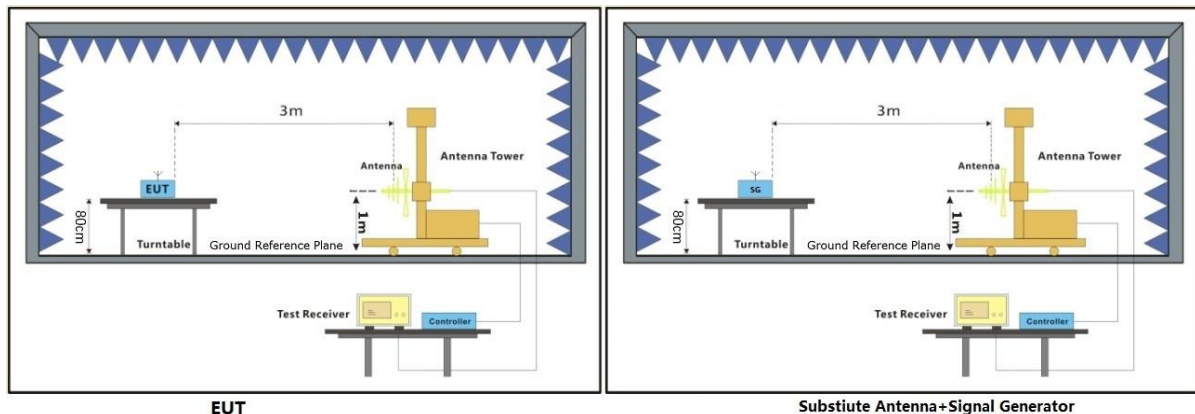
Operating Environment:

Temperature: 26.1 °C

Humidity: 51.0 % RH

Atmospheric Pressure: 1020 mbar

#### 6.7.2 Test Setup Diagram



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### 6.7.3 Measurement Procedure and Data

#### Test Procedure:

- (1) On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3) The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7) The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14) The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15) The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.



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GSM850-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1652.8	-57.2	-13	-44.2	-58.71	3.77	7.43	Horizontal	Pass
2479.2	-54.23	-13	-41.23	-54.41	4.75	7.08	Horizontal	Pass
3305.6	-51.02	-13	-38.02	-51.45	5.72	8.3	Horizontal	Pass
1652.8	-58.35	-13	-45.35	-59.86	3.77	7.43	Vertical	Pass
2479.2	-52.99	-13	-39.99	-53.17	4.75	7.08	Vertical	Pass
3305.6	-50.12	-13	-37.12	-50.55	5.72	8.3	Vertical	Pass

GSM850-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1672.8	-59.36	-13	-46.36	-60.87	3.77	7.43	Horizontal	Pass
2509.2	-54.97	-13	-41.97	-55.29	5.13	7.6	Horizontal	Pass
3345.6	-51.85	-13	-38.85	-52.28	5.72	8.3	Horizontal	Pass
1672.8	-58.7	-13	-45.7	-60.21	3.77	7.43	Vertical	Pass
2509.2	-54.48	-13	-41.48	-54.8	5.13	7.6	Vertical	Pass
3345.6	-50.83	-13	-37.83	-51.26	5.72	8.3	Vertical	Pass

GSM850-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1693.2	-58.43	-13	-45.43	-59.94	3.77	7.43	Horizontal	Pass
2539.8	-55.88	-13	-42.88	-56.2	5.13	7.6	Horizontal	Pass
3386.4	-51.5	-13	-38.5	-51.93	5.72	8.3	Horizontal	Pass
1693.2	-59.01	-13	-46.01	-60.52	3.77	7.43	Vertical	Pass
2539.8	-54.84	-13	-41.84	-55.16	5.13	7.6	Vertical	Pass
3386.4	-51.5	-13	-38.5	-51.93	5.72	8.3	Vertical	Pass



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PCS1900-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3704.8	-49.47	-13	-36.47	-51.69	6.99	9.21	Horizontal	Pass
5557.2	-46.42	-13	-33.42	-48.74	8.27	10.59	Horizontal	Pass
7409.6	-42.87	-13	-29.87	-46.41	8.19	11.73	Horizontal	Pass
3704.8	-49.61	-13	-36.61	-51.83	6.99	9.21	Vertical	Pass
5557.2	-45.98	-13	-32.98	-48.3	8.27	10.59	Vertical	Pass
7409.6	-43.34	-13	-30.34	-46.88	8.19	11.73	Vertical	Pass

PCS1900-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-50.52	-13	-37.52	-52.74	6.99	9.21	Horizontal	Pass
5640	-47.29	-13	-34.29	-49.61	8.27	10.59	Horizontal	Pass
7520	-44.65	-13	-31.65	-48.48	8.43	12.26	Horizontal	Pass
3760	-48.58	-13	-35.58	-50.8	6.99	9.21	Vertical	Pass
5640	-47.78	-13	-34.78	-50.1	8.27	10.59	Vertical	Pass
7520	-44.62	-13	-31.62	-48.45	8.43	12.26	Vertical	Pass

PCS1900-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3815.2	-50.12	-13	-37.12	-52.34	6.99	9.21	Horizontal	Pass
5722.8	-47.82	-13	-34.82	-50.14	8.27	10.59	Horizontal	Pass
7630.4	-44.89	-13	-31.89	-48.72	8.43	12.26	Horizontal	Pass
3815.2	-49.46	-13	-36.46	-51.68	6.99	9.21	Vertical	Pass
5722.8	-47.5	-13	-34.5	-49.82	8.27	10.59	Vertical	Pass
7630.4	-44.27	-13	-31.27	-48.1	8.43	12.26	Vertical	Pass

### Note:

All modes have been tested and we found GPRS Test mode has the worst test result. Only record the worst test result.



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### 6.8 Frequency stability

Test Requirement: §2.1055, §22.355, §24.235  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq \pm 2.5\text{ppm}$ .

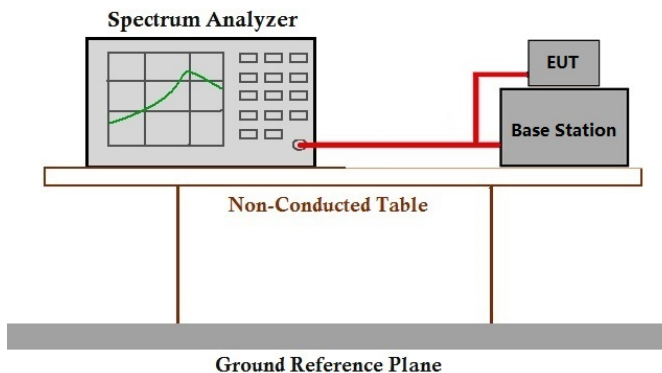
#### 6.8.1 E.U.T. Operation

Operating Environment:  
 Temperature: 26.1 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

#### 6.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode_Keep the EUT in transmitting mode

#### 6.8.3 Test Setup Diagram



#### 6.8.4 Measurement Procedure and Data



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Band: GSM850							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	824.2	20	3.27	36.838	0.0447	-2.5 to 2.5	Pass
			3.85	39.615	0.0481	-2.5 to 2.5	Pass
			4.43	38.033	0.0461	-2.5 to 2.5	Pass
		-30	3.85	39.550	0.0480	-2.5 to 2.5	Pass
		-20	3.85	40.745	0.0494	-2.5 to 2.5	Pass
		-10	3.85	43.134	0.0523	-2.5 to 2.5	Pass
		0	3.85	44.651	0.0542	-2.5 to 2.5	Pass
		10	3.85	32.060	0.0389	-2.5 to 2.5	Pass
		30	3.85	36.257	0.0440	-2.5 to 2.5	Pass
		40	3.85	42.585	0.0517	-2.5 to 2.5	Pass
		50	3.85	36.063	0.0438	-2.5 to 2.5	Pass
	836.6	20	3.27	44.264	0.0529	-2.5 to 2.5	Pass
			3.85	30.510	0.0365	-2.5 to 2.5	Pass
			4.43	31.027	0.0371	-2.5 to 2.5	Pass
		-30	3.85	30.801	0.0368	-2.5 to 2.5	Pass
		-20	3.85	31.898	0.0381	-2.5 to 2.5	Pass
		-10	3.85	30.898	0.0369	-2.5 to 2.5	Pass
		0	3.85	29.671	0.0355	-2.5 to 2.5	Pass
		10	3.85	30.155	0.0360	-2.5 to 2.5	Pass
		30	3.85	31.253	0.0374	-2.5 to 2.5	Pass
		40	3.85	32.028	0.0383	-2.5 to 2.5	Pass
		50	3.85	29.864	0.0357	-2.5 to 2.5	Pass
	848.8	20	3.27	29.380	0.0346	-2.5 to 2.5	Pass
			3.85	31.543	0.0372	-2.5 to 2.5	Pass
			4.43	31.446	0.0370	-2.5 to 2.5	Pass
		-30	3.85	31.576	0.0372	-2.5 to 2.5	Pass
		-20	3.85	31.382	0.0370	-2.5 to 2.5	Pass
		-10	3.85	28.928	0.0341	-2.5 to 2.5	Pass
		0	3.85	30.542	0.0360	-2.5 to 2.5	Pass
		10	3.85	31.285	0.0369	-2.5 to 2.5	Pass
		30	3.85	30.155	0.0355	-2.5 to 2.5	Pass
		40	3.85	32.028	0.0377	-2.5 to 2.5	Pass
		50	3.85	31.124	0.0367	-2.5 to 2.5	Pass
EGPRS	824.2	20	3.27	33.836	0.0411	-2.5 to 2.5	Pass
			3.85	41.649	0.0505	-2.5 to 2.5	Pass
			4.43	36.160	0.0439	-2.5 to 2.5	Pass
		-30	3.85	40.583	0.0492	-2.5 to 2.5	Pass
		-20	3.85	33.997	0.0412	-2.5 to 2.5	Pass



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		-10	3.85	38.937	0.0472	-2.5 to 2.5	Pass
		0	3.85	37.258	0.0452	-2.5 to 2.5	Pass
		10	3.85	38.582	0.0468	-2.5 to 2.5	Pass
		30	3.85	27.088	0.0329	-2.5 to 2.5	Pass
		40	3.85	34.158	0.0414	-2.5 to 2.5	Pass
		50	3.85	29.864	0.0362	-2.5 to 2.5	Pass
	836.6	20	3.27	33.448	0.0400	-2.5 to 2.5	Pass
			3.85	27.669	0.0331	-2.5 to 2.5	Pass
			4.43	27.120	0.0324	-2.5 to 2.5	Pass
		-30	3.85	28.573	0.0342	-2.5 to 2.5	Pass
		-20	3.85	28.928	0.0346	-2.5 to 2.5	Pass
		-10	3.85	30.768	0.0368	-2.5 to 2.5	Pass
		0	3.85	28.282	0.0338	-2.5 to 2.5	Pass
		10	3.85	27.734	0.0332	-2.5 to 2.5	Pass
		30	3.85	27.314	0.0326	-2.5 to 2.5	Pass
		40	3.85	28.638	0.0342	-2.5 to 2.5	Pass
		50	3.85	26.474	0.0316	-2.5 to 2.5	Pass
	848.8	20	3.27	28.928	0.0341	-2.5 to 2.5	Pass
			3.85	28.444	0.0335	-2.5 to 2.5	Pass
			4.43	28.799	0.0339	-2.5 to 2.5	Pass
		-30	3.85	26.636	0.0314	-2.5 to 2.5	Pass
		-20	3.85	28.508	0.0336	-2.5 to 2.5	Pass
		-10	3.85	26.539	0.0313	-2.5 to 2.5	Pass
		0	3.85	28.250	0.0333	-2.5 to 2.5	Pass
		10	3.85	27.475	0.0324	-2.5 to 2.5	Pass
		30	3.85	27.185	0.0320	-2.5 to 2.5	Pass
		40	3.85	23.956	0.0282	-2.5 to 2.5	Pass
		50	3.85	26.959	0.0318	-2.5 to 2.5	Pass

Band: PCS1900							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	1850.2	20	3.27	26.345	0.0142	-2.5 to 2.5	Pass
			3.85	21.309	0.0115	-2.5 to 2.5	Pass
			4.43	25.022	0.0135	-2.5 to 2.5	Pass
		-30	3.85	20.276	0.0110	-2.5 to 2.5	Pass
		-20	3.85	20.340	0.0110	-2.5 to 2.5	Pass
		-10	3.85	22.891	0.0124	-2.5 to 2.5	Pass
		0	3.85	24.118	0.0130	-2.5 to 2.5	Pass
		10	3.85	21.922	0.0118	-2.5 to 2.5	Pass
		30	3.85	20.695	0.0112	-2.5 to 2.5	Pass
		40	3.85	29.477	0.0159	-2.5 to 2.5	Pass



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EGPRS	1880	50	3.85	23.536	0.0127	-2.5 to 2.5	Pass
		20	3.27	20.566	0.0109	-2.5 to 2.5	Pass
			3.85	22.019	0.0117	-2.5 to 2.5	Pass
			4.43	20.437	0.0109	-2.5 to 2.5	Pass
			4.43	20.437	0.0109	-2.5 to 2.5	Pass
		-30	3.85	20.243	0.0108	-2.5 to 2.5	Pass
		-20	3.85	20.760	0.0110	-2.5 to 2.5	Pass
		-10	3.85	18.242	0.0097	-2.5 to 2.5	Pass
		0	3.85	20.276	0.0108	-2.5 to 2.5	Pass
		10	3.85	23.698	0.0126	-2.5 to 2.5	Pass
		30	3.85	21.858	0.0116	-2.5 to 2.5	Pass
		40	3.85	21.018	0.0112	-2.5 to 2.5	Pass
	1909.8	50	3.85	22.891	0.0122	-2.5 to 2.5	Pass
		20	3.27	17.047	0.0089	-2.5 to 2.5	Pass
			3.85	17.757	0.0093	-2.5 to 2.5	Pass
			4.43	14.206	0.0074	-2.5 to 2.5	Pass
		-30	3.85	16.143	0.0085	-2.5 to 2.5	Pass
		-20	3.85	19.178	0.0100	-2.5 to 2.5	Pass
		-10	3.85	22.245	0.0116	-2.5 to 2.5	Pass
		0	3.85	13.495	0.0071	-2.5 to 2.5	Pass
		10	3.85	16.692	0.0087	-2.5 to 2.5	Pass
		30	3.85	16.789	0.0088	-2.5 to 2.5	Pass
		40	3.85	16.724	0.0088	-2.5 to 2.5	Pass
		50	3.85	18.080	0.0095	-2.5 to 2.5	Pass
	1850.2	20	3.27	23.762	0.0128	-2.5 to 2.5	Pass
			3.85	28.089	0.0152	-2.5 to 2.5	Pass
			4.43	18.887	0.0102	-2.5 to 2.5	Pass
		-30	3.85	23.472	0.0127	-2.5 to 2.5	Pass
		-20	3.85	29.090	0.0157	-2.5 to 2.5	Pass
		-10	3.85	23.375	0.0126	-2.5 to 2.5	Pass
		0	3.85	26.248	0.0142	-2.5 to 2.5	Pass
		10	3.85	21.954	0.0119	-2.5 to 2.5	Pass
		30	3.85	27.895	0.0151	-2.5 to 2.5	Pass
		40	3.85	20.114	0.0109	-2.5 to 2.5	Pass
		50	3.85	21.825	0.0118	-2.5 to 2.5	Pass
	1880	20	3.27	26.087	0.0139	-2.5 to 2.5	Pass
			3.85	22.536	0.0120	-2.5 to 2.5	Pass
			4.43	21.987	0.0117	-2.5 to 2.5	Pass
		-30	3.85	22.439	0.0119	-2.5 to 2.5	Pass
		-20	3.85	23.569	0.0125	-2.5 to 2.5	Pass
		-10	3.85	24.957	0.0133	-2.5 to 2.5	Pass
		0	3.85	26.022	0.0138	-2.5 to 2.5	Pass
		10	3.85	26.507	0.0141	-2.5 to 2.5	Pass



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## Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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		30	3.85	22.503	0.0120	-2.5 to 2.5	Pass
		40	3.85	20.921	0.0111	-2.5 to 2.5	Pass
		50	3.85	22.600	0.0120	-2.5 to 2.5	Pass
	1909.8	20	3.27	19.468	0.0102	-2.5 to 2.5	Pass
			3.85	20.146	0.0105	-2.5 to 2.5	Pass
			4.43	22.988	0.0120	-2.5 to 2.5	Pass
		-30	3.85	22.213	0.0116	-2.5 to 2.5	Pass
		-20	3.85	22.180	0.0116	-2.5 to 2.5	Pass
		-10	3.85	21.212	0.0111	-2.5 to 2.5	Pass
		0	3.85	22.180	0.0116	-2.5 to 2.5	Pass
		10	3.85	24.118	0.0126	-2.5 to 2.5	Pass
		30	3.85	22.019	0.0115	-2.5 to 2.5	Pass
		40	3.85	17.983	0.0094	-2.5 to 2.5	Pass
		50	3.85	19.146	0.0100	-2.5 to 2.5	Pass



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## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2207000285AT

## 8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for FYCR2207000285AT

- End of the Report -



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