

TEST REPORT

Application No.: FYCR2204000134AT

Applicant: Hytera Communications Corporation Limited

Address of Applicant: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C., P 518057

Manufacturer: Hytera Communications Corporation Limited

Address of Manufacturer: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C., P 518057

Factory: Sunrise Simcom (Tong cheng) Limited

Address of Factory: No.188-1, Nanshan Road, Tongcheng Economic Development Zone, Anqing, Anhui

Equipment Under Test (EUT):

EUT Name: 5G XSecure Rugged Device

Model No.: PNC560, PNC560 SCAN ♣

♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

Trade Mark: Hytera

FCC ID: YAMPNC560

Standard(s) : 47 CFR Part 2
47 CFR Part 22 subpart H
47 CFR Part 24 subpart E
47 CFR Part 27 subpart C

Date of Receipt: 2022-04-29

Date of Test: 2022-05-16 to 2022-06-21

Date of Issue: 2022-07-02

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





Winkey Wang
EMC Technical Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-07-02		Original

Authorized for issue by:			
			
		<hr/>	
		Tree Zhan/Project Engineer	
			
		<hr/>	
		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 §27.50(d)	ERP≤7W(WCDMA band V) EIRP≤2W(WCDMA band II) EIRP≤1W(WCDMA Band IV)	PASS
Peak-Average Ratio	§22.913 §24.232 §27.50(d)	≤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 §27.53(h)	≤ -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 §27.53(h)	≤ -13dBm	PASS
Field strength of spurious radiation	§2.1051, §22.917, §24.238 §27.53(h)	≤ -13dBm	PASS
Frequency stability	§2.1055, §22.355, §24.235 §27.54	≤ ±2.5ppm.	PASS

Declaration of EUT Family Grouping:

Model No.: PNC560, PNC560 SCAN

Only the model PNC560 SCAN was fully tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used, internal wiring and functions were identical for all the above models, with only difference on SCAN camera for PNC560 SCAN and emergency call button for PNC560.



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Shenzhen Branch

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.85V by Li-ion battery Recharged by AC/DC power adapter Adapter M/N: TPA-10R120150UU01 Adapter input: AC100-240V, 50/60Hz, 0.6A Adapter output: DC3.6-6V/3A, 6-9V/2A, 9-12V/1.5A
Cable(s):	USB Type C cable: 1m shielded cable without ferrite core
Sample Type:	Portable production
Support Network:	RMC, HSDPA, HSUPA
Operation Frequency Band:	UMTS FDD Band II/IV/V
Modulation Type:	QPSK for WCDMA
Supported Channel Bandwidth:	5MHz for WCDMA
UMTS Power Class:	Level 3
Antenna Type:	PIFA antenna WCDMA B2: -1dBi, B4: -1dBi, B5: -2dBi
Antenna Gain:	
SIM Card:	This device has dual SIM Card sockets. Both the SIM sockets have been tested. SIM1 was worst case, only record SIM1.



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4.2 Test Frequency

Test Mode	TX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band V	TX	Channel 4132	Channel 4183	Channel 4233
		826.4 MHz	836.6 MHz	846.6 MHz
Test Mode	TX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band IV	TX	Channel 1312	Channel 1413	Channel 1513
		1712.4 MHz	1732.6 MHz	1752.6 MHz
Test Mode	TX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band II	TX	Channel 9262	Channel 9400	Channel 9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz

4.3 Test Environment

Environment Parameter	Selected Values During Tests	
Temperature:	TL	-30°C
	TN	+20°C
	TH	+50°C
Voltage:	VL	3.5 V
	VN	3.85 V
	VH	4.4 V

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



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4.4 Description of Support Units

The EUT has been tested independent unit.

4.5 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 5.4 \times 10^{-8}$
2	Duty cycle	$\pm 0.3\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.8\text{dB}$
5	RF power density	$\pm 0.4\text{dB}$
6	Conducted Spurious emissions	$\pm 2.7\text{dB}$
7	Radiated Spurious emission test	$\pm 3.1\text{dB}$ (Below 1GHz)
		$\pm 4.4\text{dB}$ (Above 1GHz)
8	Temperature test	$\pm 1^\circ\text{C}$
9	Humidity test	$\pm 3\%$
10	Supply voltages	$\pm 1.5\%$
11	Time	$\pm 3\%$



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4.6 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc. Shenzhen branch.

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

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2021/7/13	2022/7/12
Measurement Software	TST	TST PASS V2.0	N/A	N/A	N/A
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2022/03/29	2023/03/28
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2021/07/13	2022/07/12

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
MXE EMI receiver	Agilent	N9038A	SEM004-05	2021/7/13	2022/7/12
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12
Low Noise Amplifier	CLAVIO	BDLNA-0118-352810	SEM005-05	2021/7/13	2022/7/12
Substitution Antenna	Schwarzbeck	VULB9168	SEM003-18	2019/08/08	2022/08/07
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2021/7/13	2022/7/12
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12
Low Noise Amplifier	CLAVIO	BDLNA-0118-352810	SEM005-05	2021/7/13	2022/7/12
Pre-amplifier	Compliance Directions Systems	PAP-2640-50	SEM005-08	2021/7/13	2022/7/12



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	Inc.				
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2021/7/13	2022/7/12
Substitution Antenna	ETS-Lindgren	3142C	SEM003-01	2020/06/26	2023/06/25
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2022/03/29	2023/03/28

General used equipment

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2021/07/13	2022/07/12
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2021/07/13	2022/07/12
Barometer	DUMAI	DYM3	SEM002-24	2021/07/13	2022/07/12



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6 Radio Spectrum Matter Test Results

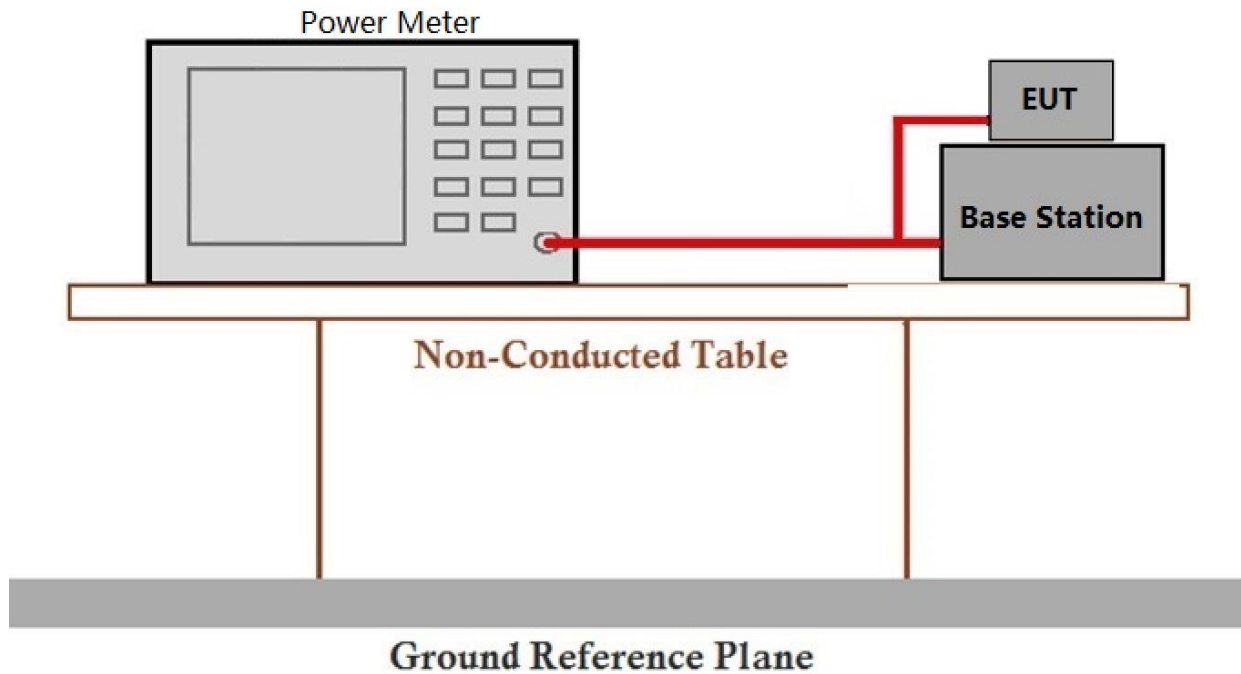
6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §22.913, §24.232, §27.50(d)
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01
 Limit:
 ERP≤7W(WCDMA BAND V)
 EIRP≤2W(WCDMA BAND II)
 EIRP≤1W(WCDMA Band IV)

6.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
 Test mode: 30: TX mode_Keep the EUT in transmitting mode

6.1.2 Test Setup Diagram



6.1.3 Measurement Data



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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	21.58	-1.00	20.58	<=33.01	Pass	
			1880	21.16	-1.00	20.16	<=33.01	Pass	
			1907.6	21.05	-1.00	20.05	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	20.42	-1.00	19.42	<=33.01	Pass	
		Subtest 2	1852.4	20.4	-1.00	19.4	<=33.01	Pass	
		Subtest 3	1852.4	20.34	-1.00	19.34	<=33.01	Pass	
		Subtest 4	1852.4	20.34	-1.00	19.34	<=33.01	Pass	
		Subtest 1	1880	20.4	-1.00	19.4	<=33.01	Pass	
		Subtest 2	1880	20.4	-1.00	19.4	<=33.01	Pass	
		Subtest 3	1880	20.36	-1.00	19.36	<=33.01	Pass	
		Subtest 4	1880	20.36	-1.00	19.36	<=33.01	Pass	
		Subtest 1	1907.6	20.27	-1.00	19.27	<=33.01	Pass	
		Subtest 2	1907.6	20.27	-1.00	19.27	<=33.01	Pass	
		Subtest 3	1907.6	20.23	-1.00	19.23	<=33.01	Pass	
		Subtest 4	1907.6	20.23	-1.00	19.23	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	18.16	-1.00	17.16	<=33.01	Pass
			Subtest 2	1852.4	17.91	-1.00	16.91	<=33.01	Pass
	Subtest 3		1852.4	18.61	-1.00	17.61	<=33.01	Pass	
	Subtest 4		1852.4	18.15	-1.00	17.15	<=33.01	Pass	
	Subtest 5		1852.4	18.66	-1.00	17.66	<=33.01	Pass	
	Subtest 1		1880	18.43	-1.00	17.43	<=33.01	Pass	
	Subtest 2		1880	18.08	-1.00	17.08	<=33.01	Pass	
	Subtest 3		1880	18.47	-1.00	17.47	<=33.01	Pass	
	Subtest 4		1880	18.17	-1.00	17.17	<=33.01	Pass	
	Subtest 5		1880	18.53	-1.00	17.53	<=33.01	Pass	
	Subtest 1		1907.6	18.03	-1.00	17.03	<=33.01	Pass	
	Subtest 2		1907.6	17.95	-1.00	16.95	<=33.01	Pass	
	Subtest 3		1907.6	18.15	-1.00	17.15	<=33.01	Pass	
	Subtest 4	1907.6	18.56	-1.00	17.56	<=33.01	Pass		
	Subtest 5	1907.6	18.34	-1.00	17.34	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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Band: 4										
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
	Network	Subset				Result	Limit			
NTNV	RMC	12.2kbps RMC	1712.4	21.02	-1.00	20.02	<=30	Pass		
			1732.6	21.15	-1.00	20.15	<=30	Pass		
			1752.6	21.08	-1.00	20.08	<=30	Pass		
	HSDPA	Subtest 1	1712.4	1712.4	19.17	-1.00	18.17	<=30	Pass	
				1712.4	19.22	-1.00	18.22	<=30	Pass	
				1712.4	19.15	-1.00	18.15	<=30	Pass	
				1712.4	19.16	-1.00	18.16	<=30	Pass	
		Subtest 2	1732.6	1732.6	1732.6	19.35	-1.00	18.35	<=30	Pass
					1732.6	19.37	-1.00	18.37	<=30	Pass
					1732.6	19.31	-1.00	18.31	<=30	Pass
					1732.6	19.31	-1.00	18.31	<=30	Pass
		Subtest 3	1752.6	1752.6	1752.6	19.26	-1.00	18.26	<=30	Pass
					1752.6	19.27	-1.00	18.27	<=30	Pass
					1752.6	19.21	-1.00	18.21	<=30	Pass
					1752.6	19.23	-1.00	18.23	<=30	Pass
					1712.4	16.87	-1.00	15.87	<=30	Pass
					1712.4	17.32	-1.00	16.32	<=30	Pass
	HSUPA	Subtest 3	1732.6	1732.6	17.34	-1.00	16.34	<=30	Pass	
				1732.6	17.38	-1.00	16.38	<=30	Pass	
				1732.6	17.52	-1.00	16.52	<=30	Pass	
				1732.6	17.49	-1.00	16.49	<=30	Pass	
				1732.6	16.89	-1.00	15.89	<=30	Pass	
		Subtest 4	1752.6	1752.6	1752.6	17.32	-1.00	16.32	<=30	Pass
					1752.6	17.03	-1.00	16.03	<=30	Pass
					1752.6	17.50	-1.00	16.50	<=30	Pass
					1752.6	17.03	-1.00	16.03	<=30	Pass
					1712.4	17.34	-1.00	16.34	<=30	Pass
					1712.4	17.30	-1.00	16.30	<=30	Pass
					1712.4	17.34	-1.00	16.34	<=30	Pass
					1712.4	17.38	-1.00	16.38	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain										



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Band: 5									
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
	Network	Subset				Result	Limit		
NTNV	RMC	12.2kbps RMC	826.4	22.40	-2.00	18.25	<=38.45	Pass	
			836.6	22.50	-2.00	18.35	<=38.45	Pass	
			846.6	22.39	-2.00	18.24	<=38.45	Pass	
	HSDPA	Subtest 1	826.4	20.59	-2.00	16.44	<=38.45	Pass	
			826.4	20.60	-2.00	16.45	<=38.45	Pass	
			826.4	20.53	-2.00	16.38	<=38.45	Pass	
			826.4	20.55	-2.00	16.40	<=38.45	Pass	
		Subtest 2	836.6	20.69	-2.00	16.54	<=38.45	Pass	
			836.6	20.66	-2.00	16.51	<=38.45	Pass	
			836.6	20.63	-2.00	16.48	<=38.45	Pass	
			836.6	20.64	-2.00	16.49	<=38.45	Pass	
		Subtest 3	846.6	20.58	-2.00	16.43	<=38.45	Pass	
			846.6	20.58	-2.00	16.43	<=38.45	Pass	
			846.6	20.53	-2.00	16.38	<=38.45	Pass	
			846.6	20.54	-2.00	16.39	<=38.45	Pass	
			Subtest 4	826.4	18.60	-2.00	14.45	<=38.45	Pass
				826.4	18.63	-2.00	14.48	<=38.45	Pass
				826.4	18.20	-2.00	14.05	<=38.45	Pass
				826.4	18.20	-2.00	14.05	<=38.45	Pass
	HSUPA	Subtest 5	826.4	18.20	-2.00	14.05	<=38.45	Pass	
			836.6	18.70	-2.00	14.55	<=38.45	Pass	
			836.6	18.83	-2.00	14.68	<=38.45	Pass	
			836.6	18.71	-2.00	14.56	<=38.45	Pass	
			836.6	18.55	-2.00	14.40	<=38.45	Pass	
		Subtest 4	836.6	18.44	-2.00	14.29	<=38.45	Pass	
			846.6	18.29	-2.00	14.14	<=38.45	Pass	
			846.6	18.70	-2.00	14.55	<=38.45	Pass	
			846.6	18.34	-2.00	14.19	<=38.45	Pass	
			846.6	18.04	-2.00	13.89	<=38.45	Pass	
			846.6	18.04	-2.00	13.89	<=38.45	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15



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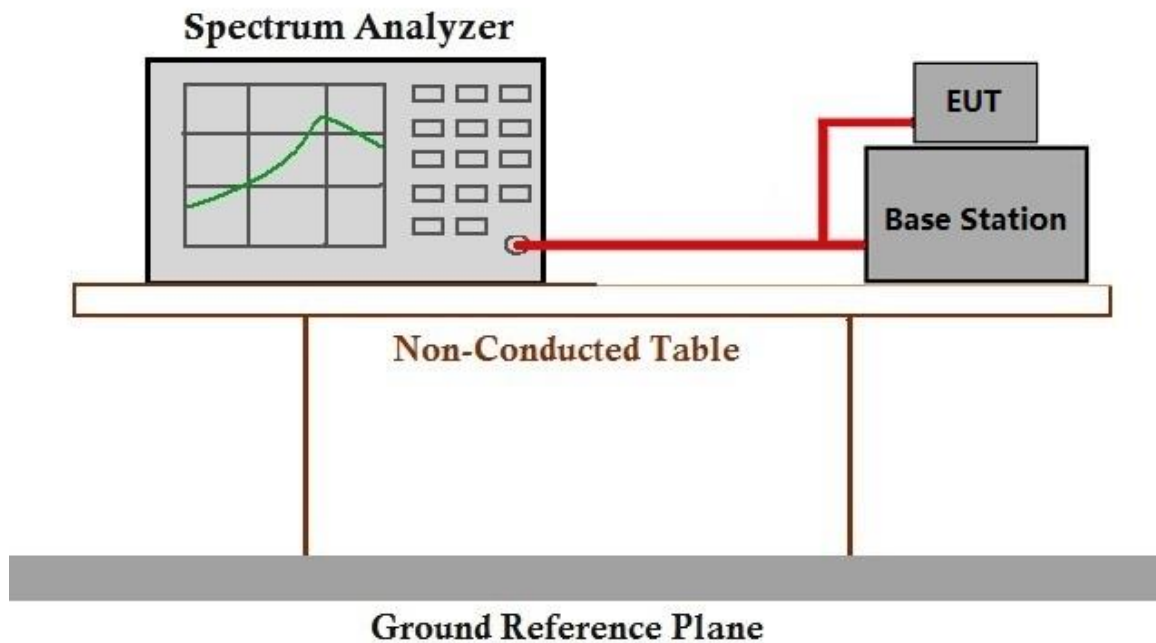
6.2 Peak-Average Ratio

Test Requirement: §22.913, §24.232, §27.50(d)
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01
 Limit: ≤13dB

6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
 Test mode: 30: TX mode_Keep the EUT in transmitting mode

6.2.2 Test Setup Diagram



6.2.3 Measurement Data



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ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.75	<=13	Pass
			1880	2.74	<=13	Pass
			1907.6	2.72	<=13	Pass
	HSDPA	Subtest 1	1852.4	3.02	<=13	Pass
			1880	2.99	<=13	Pass
			1907.6	3.01	<=13	Pass
	HSUPA	Subtest 1	1852.4	2.98	<=13	Pass
			1880	2.98	<=13	Pass
			1907.6	2.98	<=13	Pass

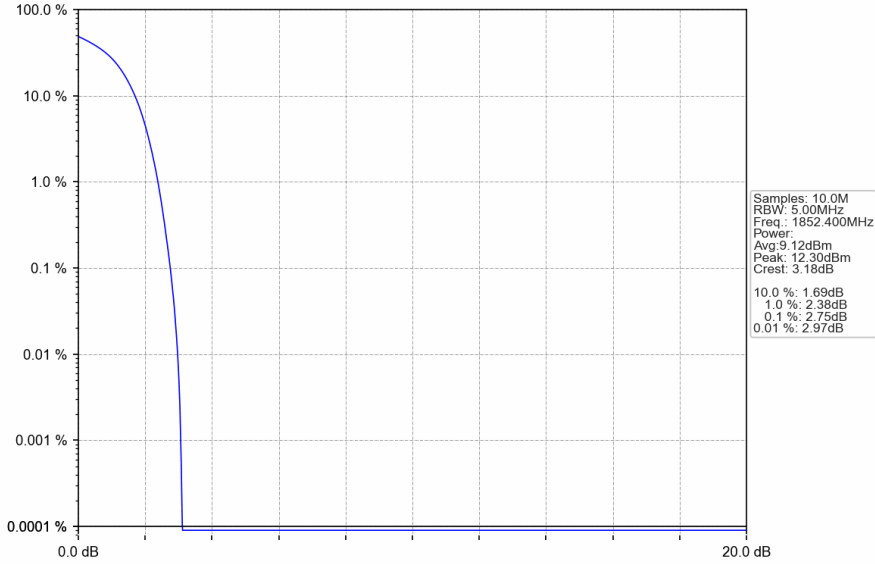
Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.75	<=13	Pass
			1732.6	2.74	<=13	Pass
			1752.6	2.75	<=13	Pass
	HSDPA	Subtest 1	1712.4	3.33	<=13	Pass
			1732.6	3.32	<=13	Pass
			1752.6	3.32	<=13	Pass
	HSUPA	Subtest 1	1712.4	3.31	<=13	Pass
			1732.6	3.33	<=13	Pass
			1752.6	3.32	<=13	Pass

Band: 5						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	3.35	<=13	Pass
			836.6	3.45	<=13	Pass
			846.6	3.50	<=13	Pass
	HSDPA	Subtest 1	826.4	10.94	<=13	Pass
			836.6	10.23	<=13	Pass
			846.6	10.40	<=13	Pass
	HSUPA	Subtest 1	826.4	10.15	<=13	Pass
			836.6	9.98	<=13	Pass
			846.6	10.24	<=13	Pass

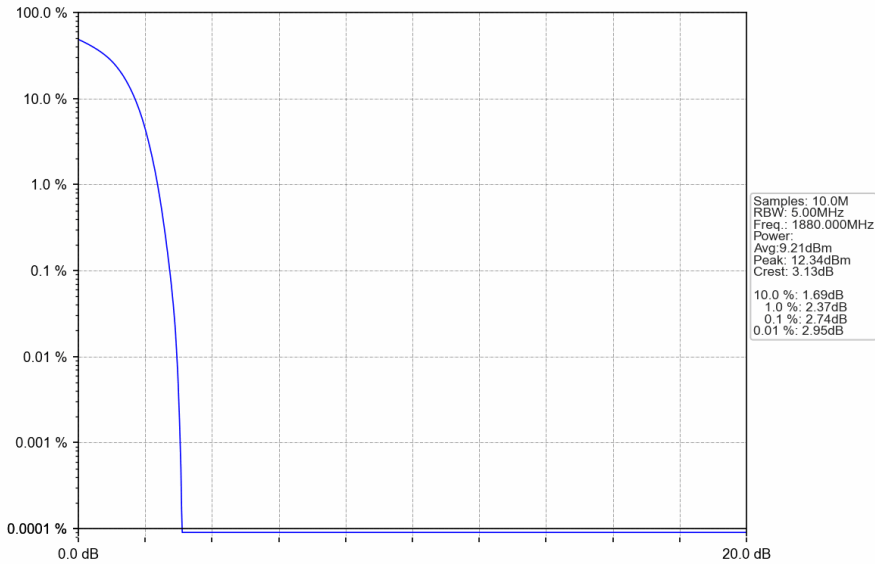


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Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV

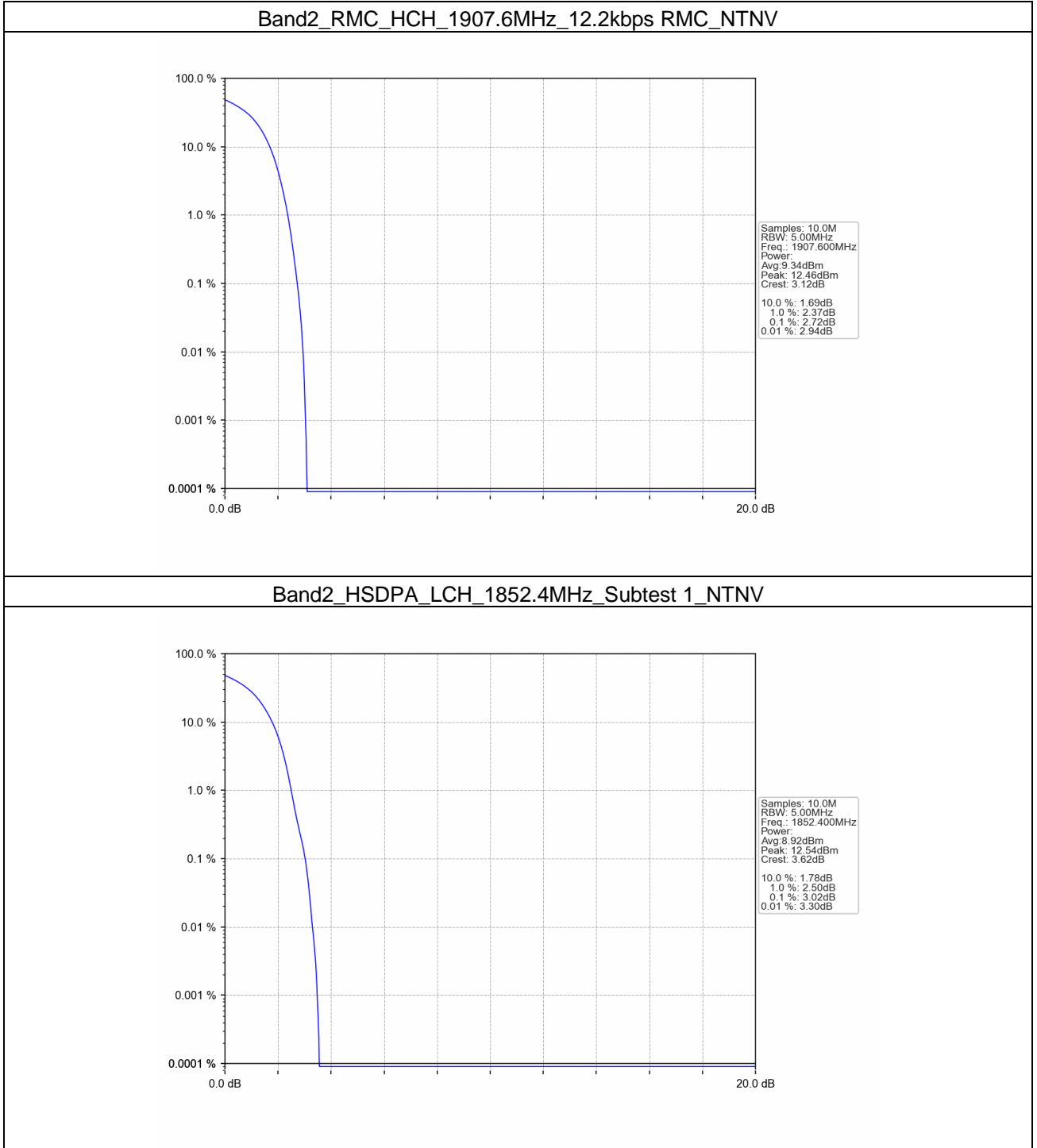


Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



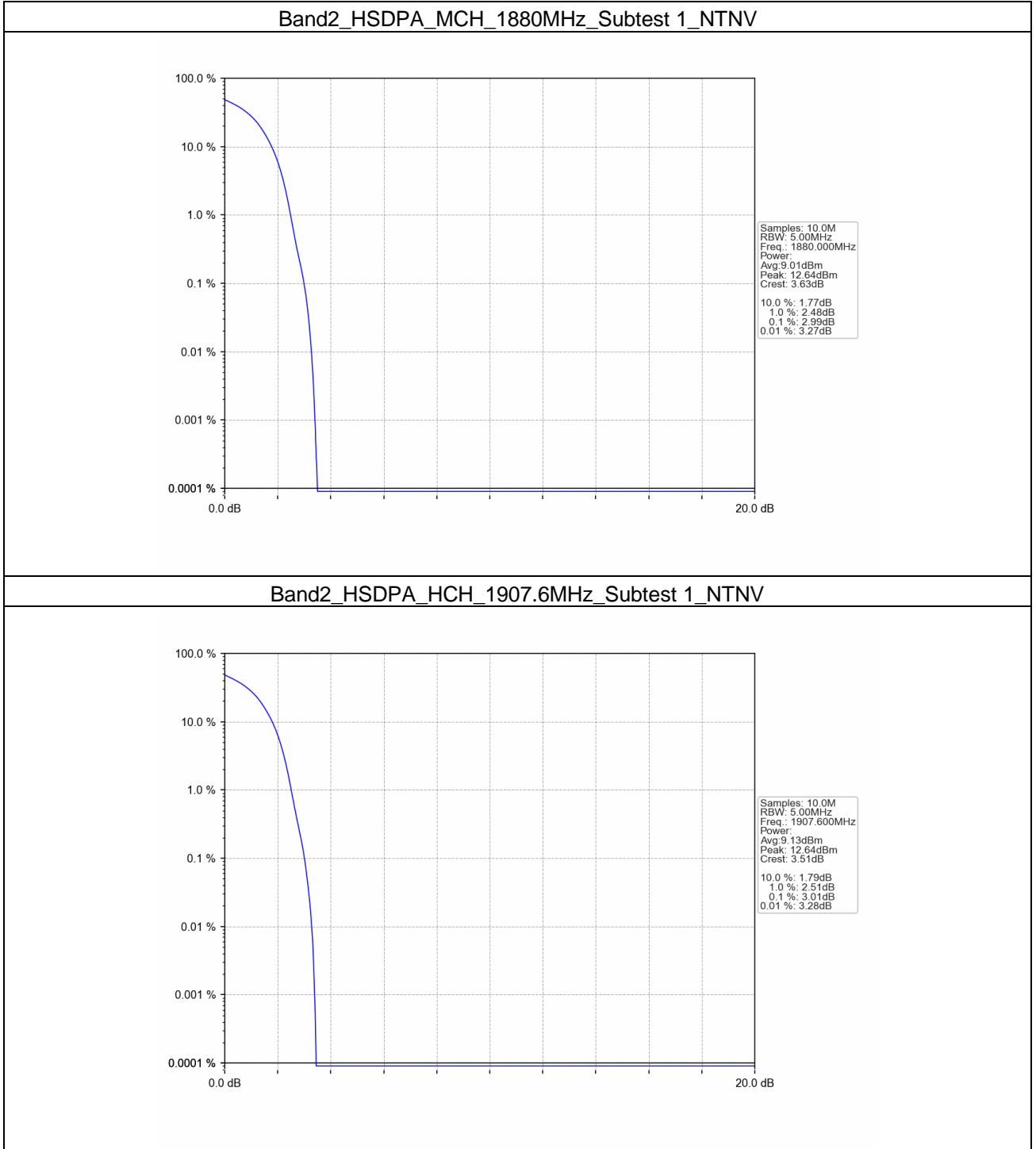
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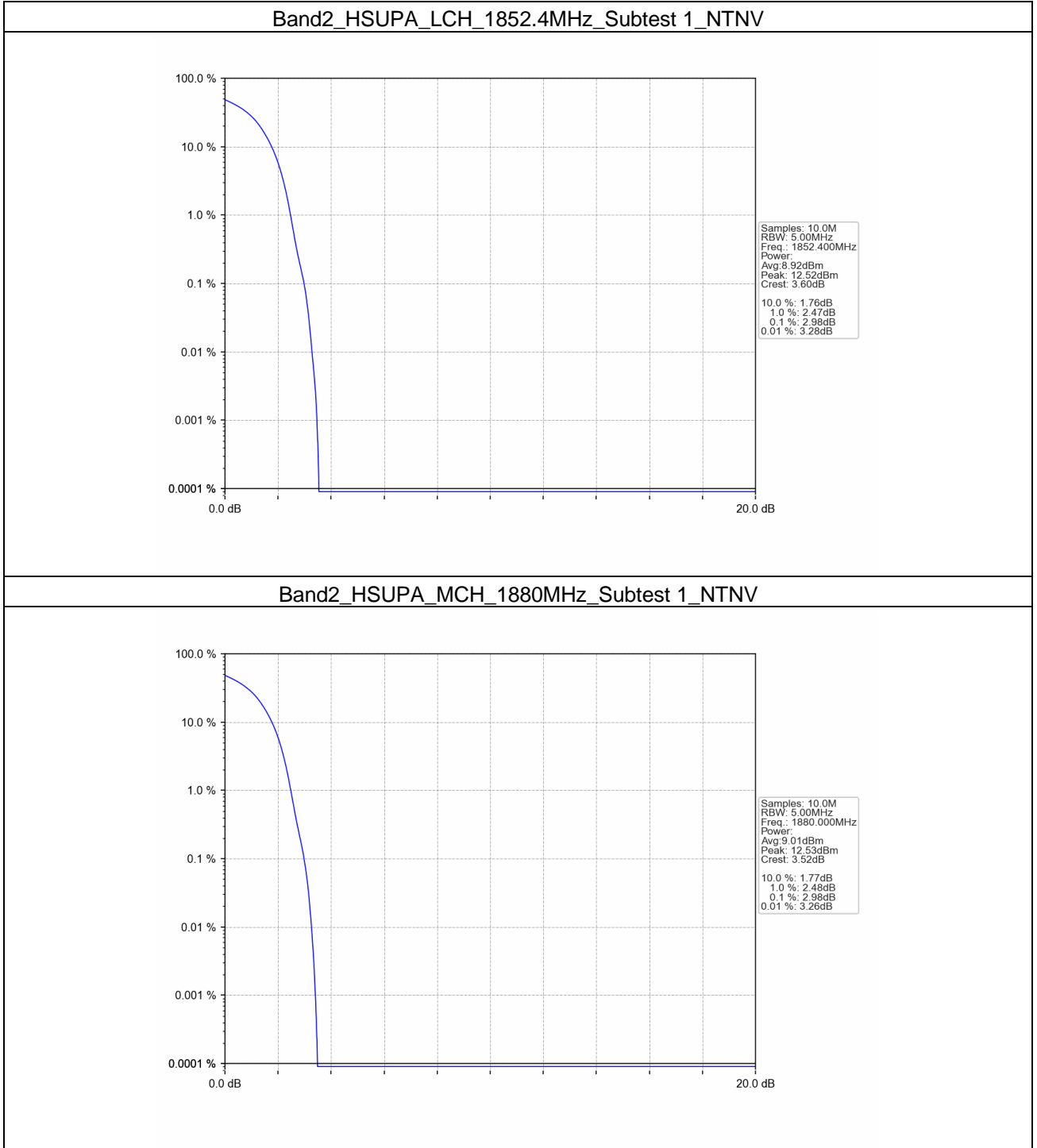


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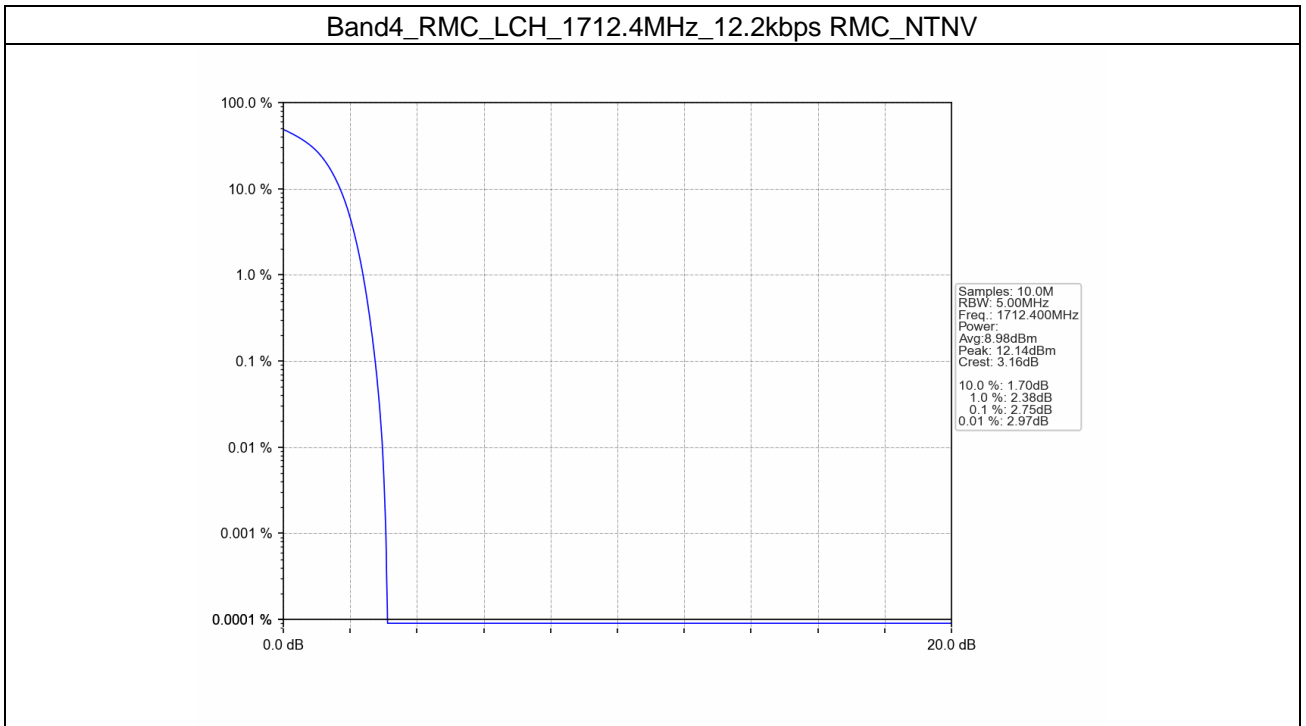
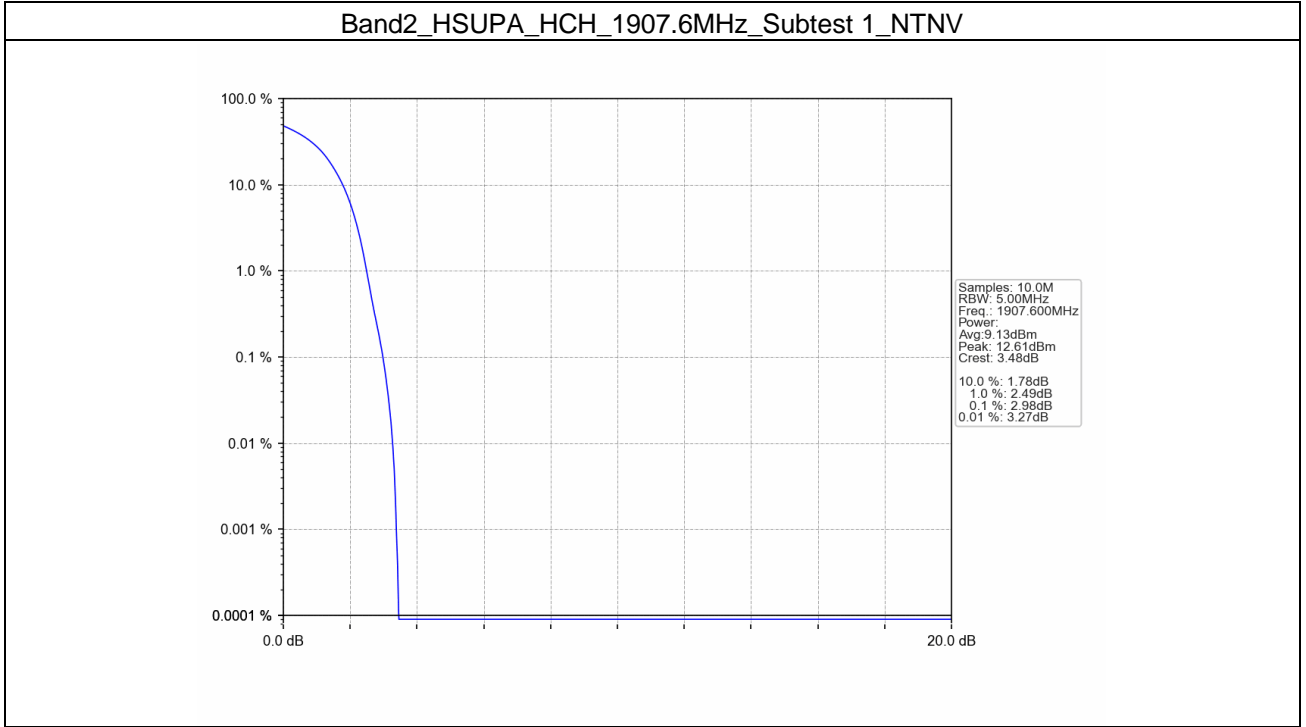


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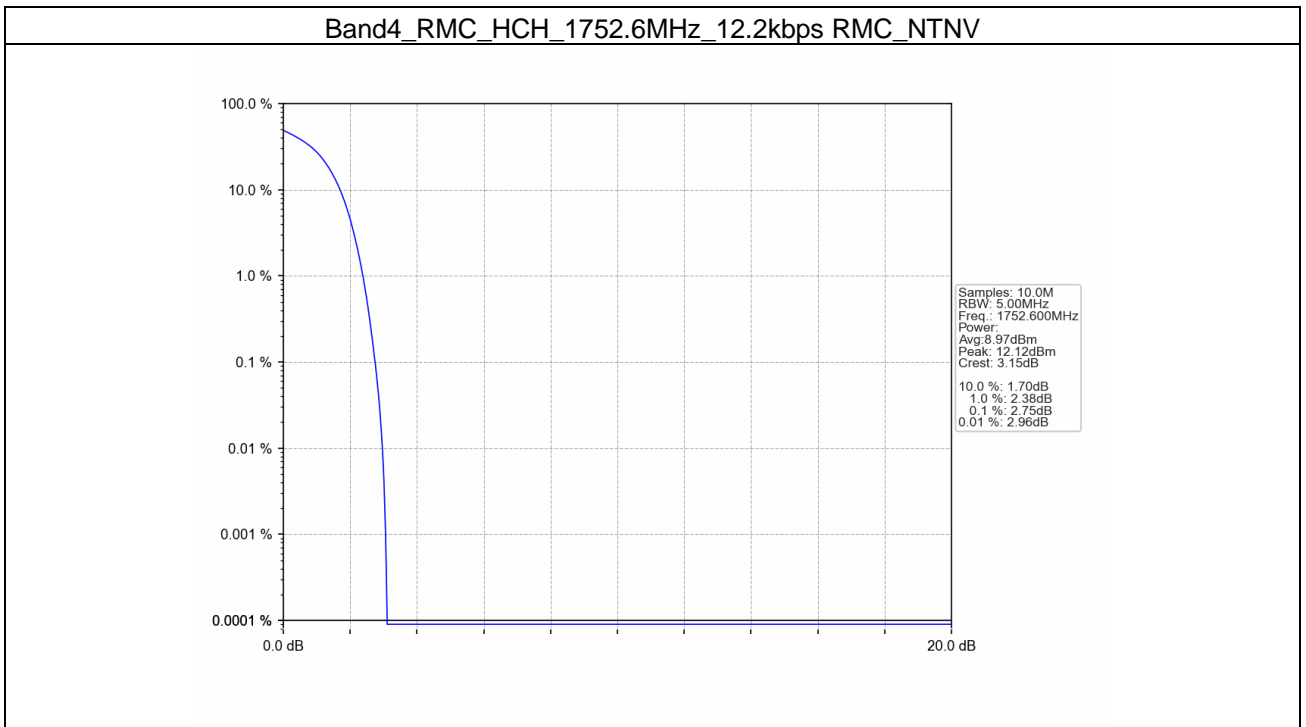
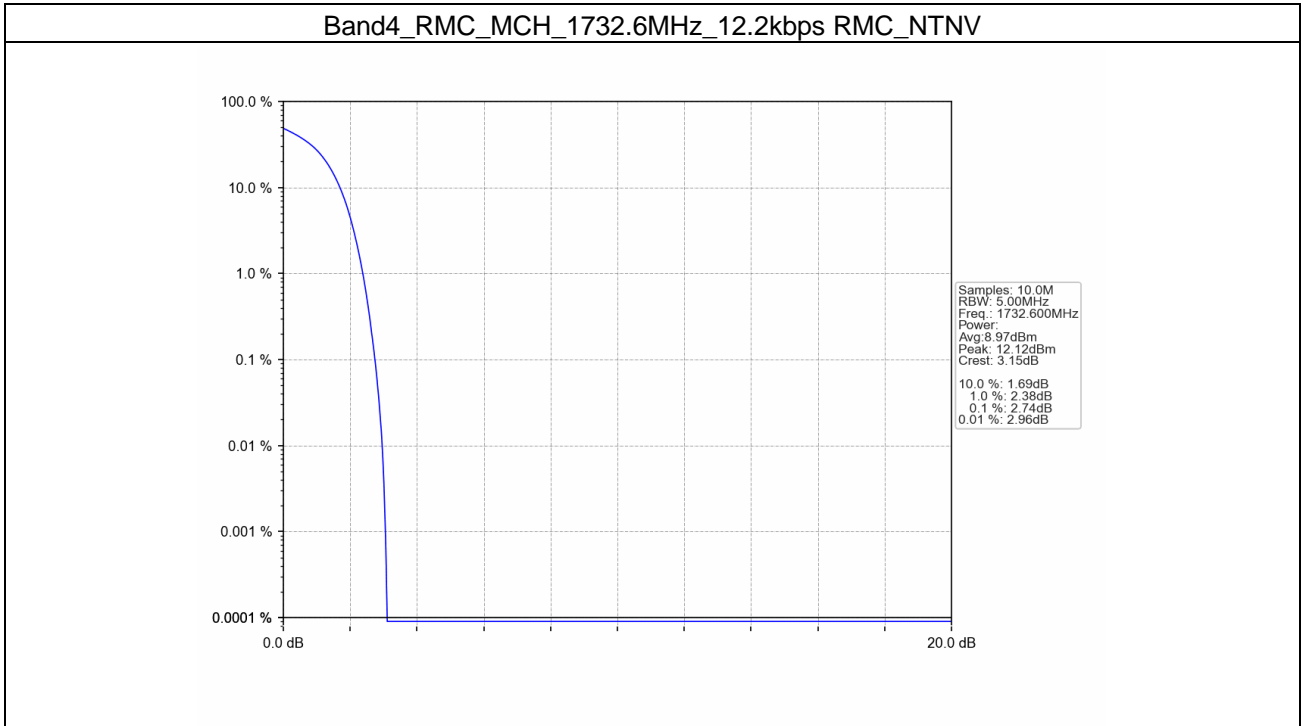
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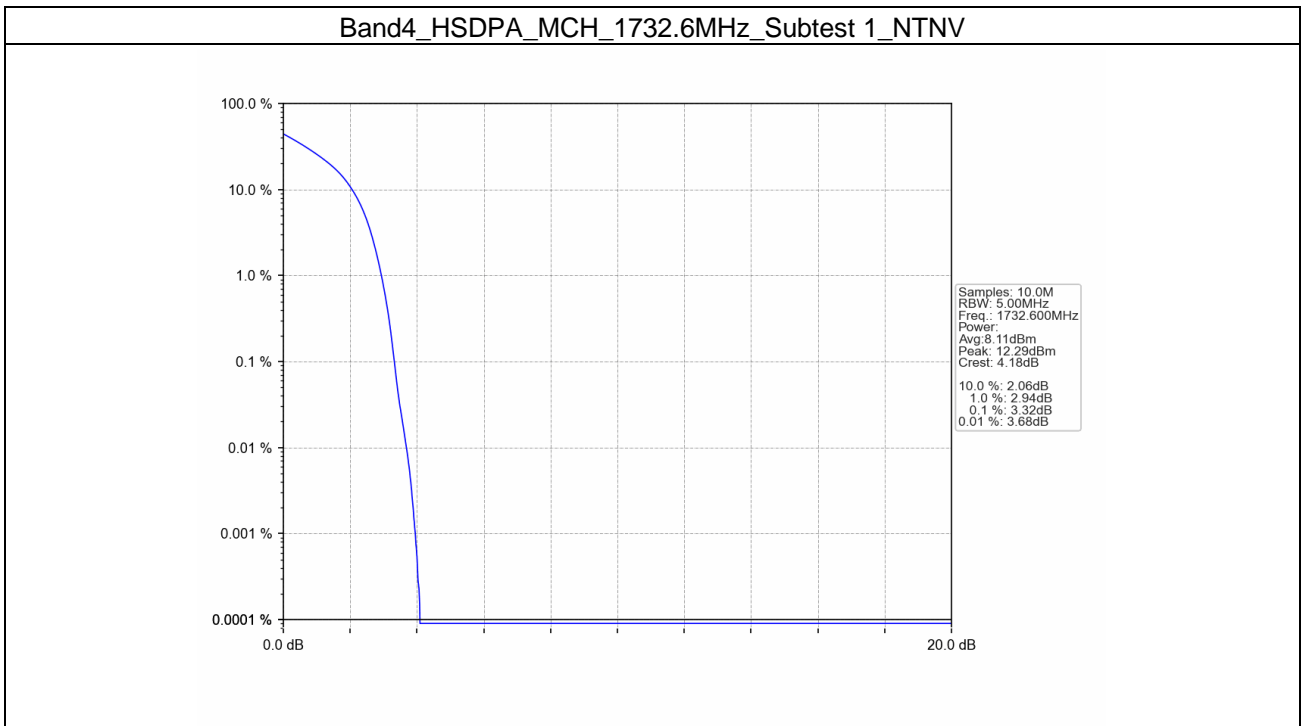
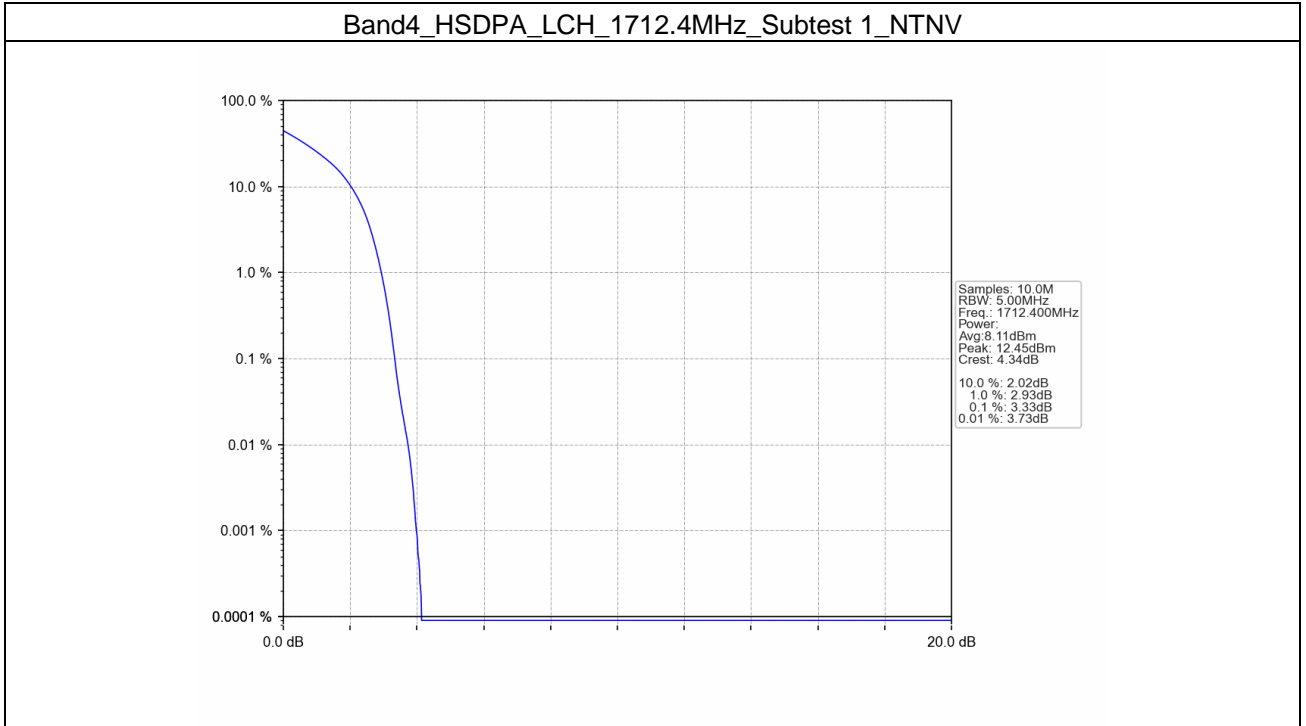


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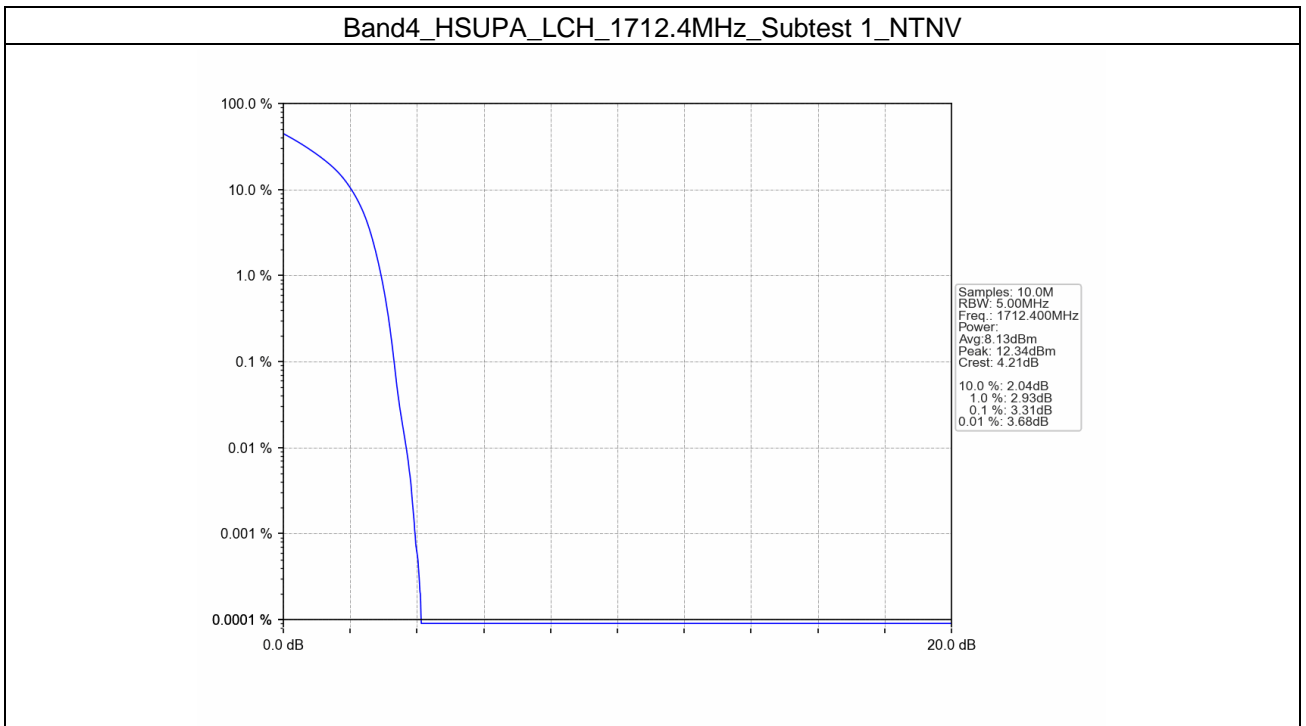
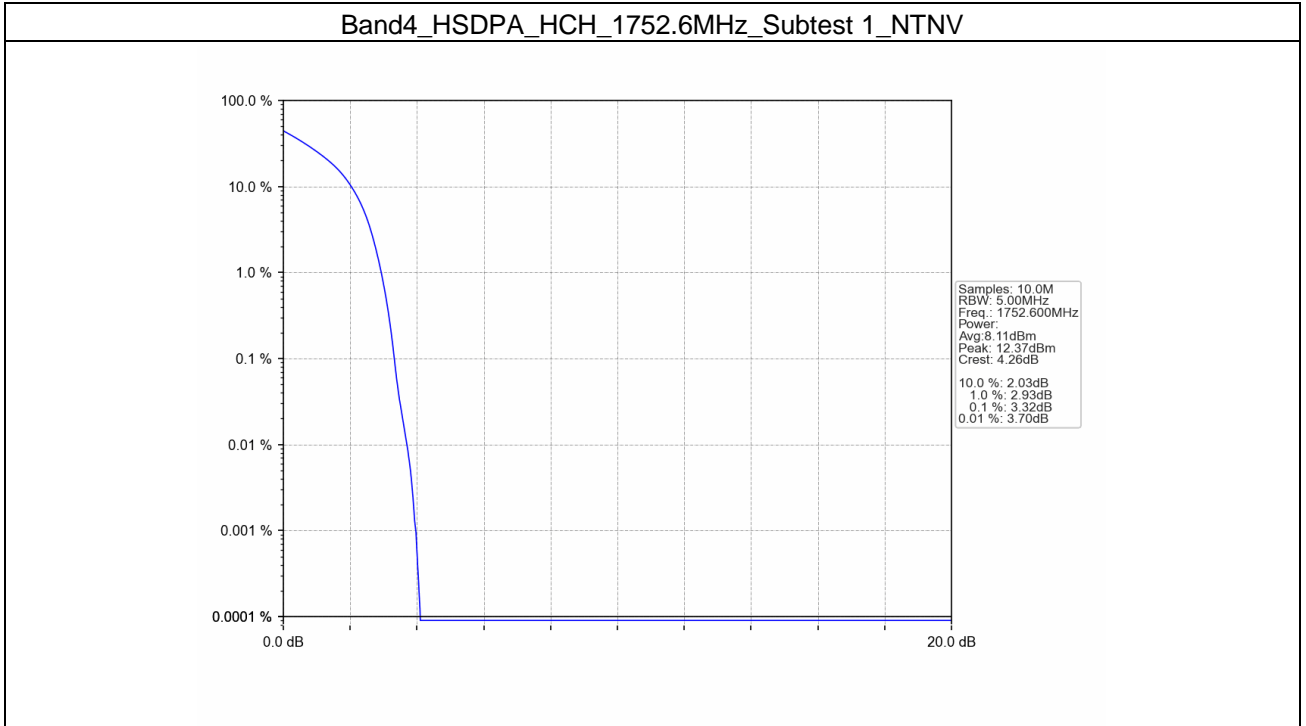
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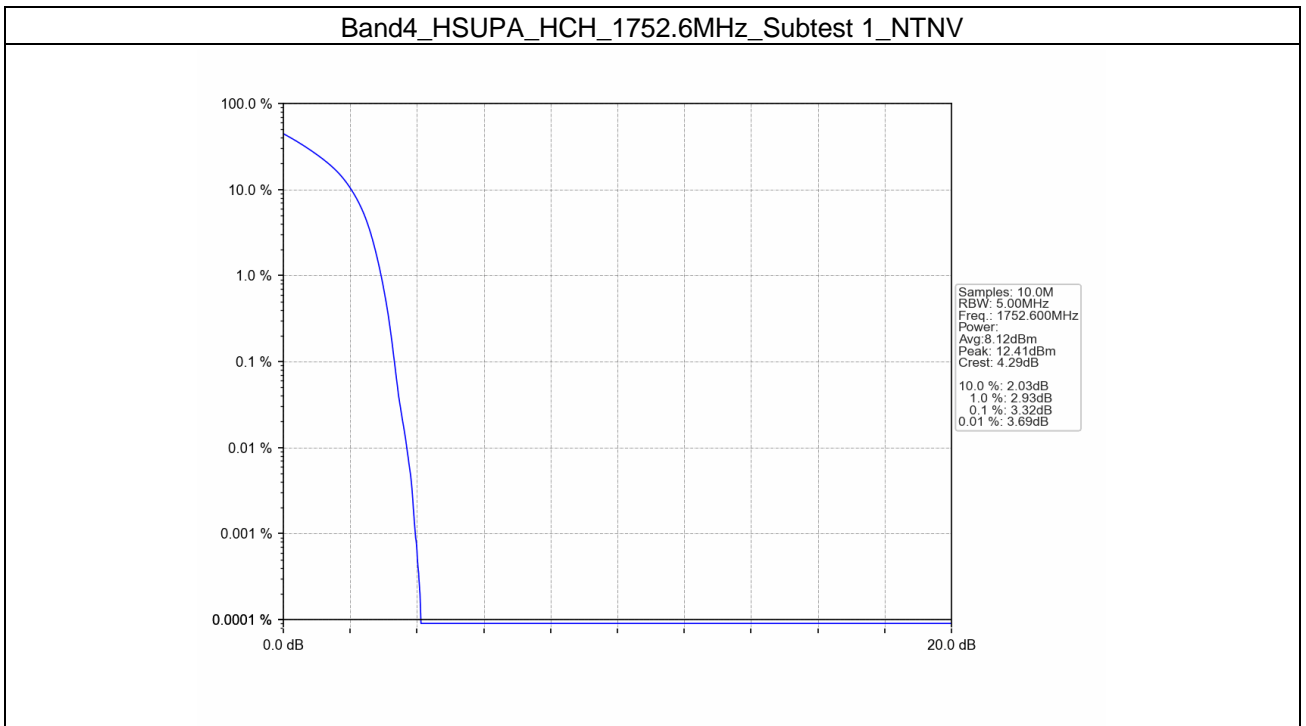
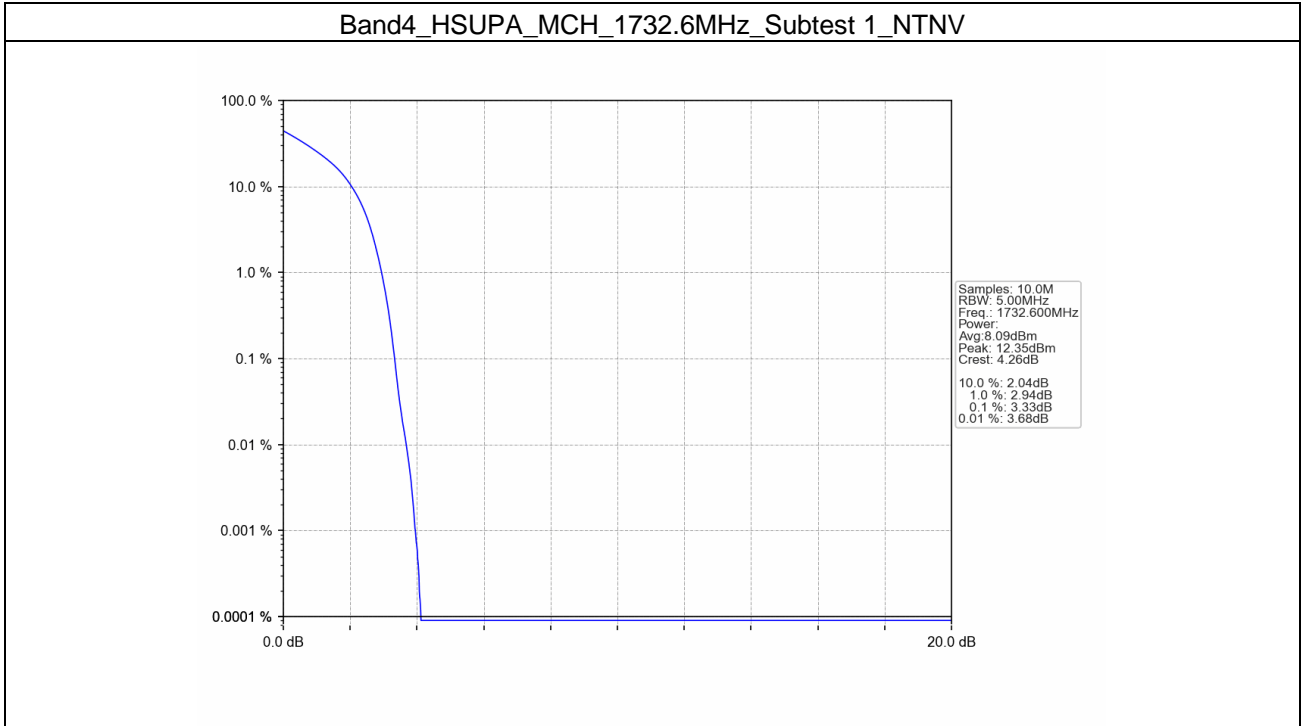
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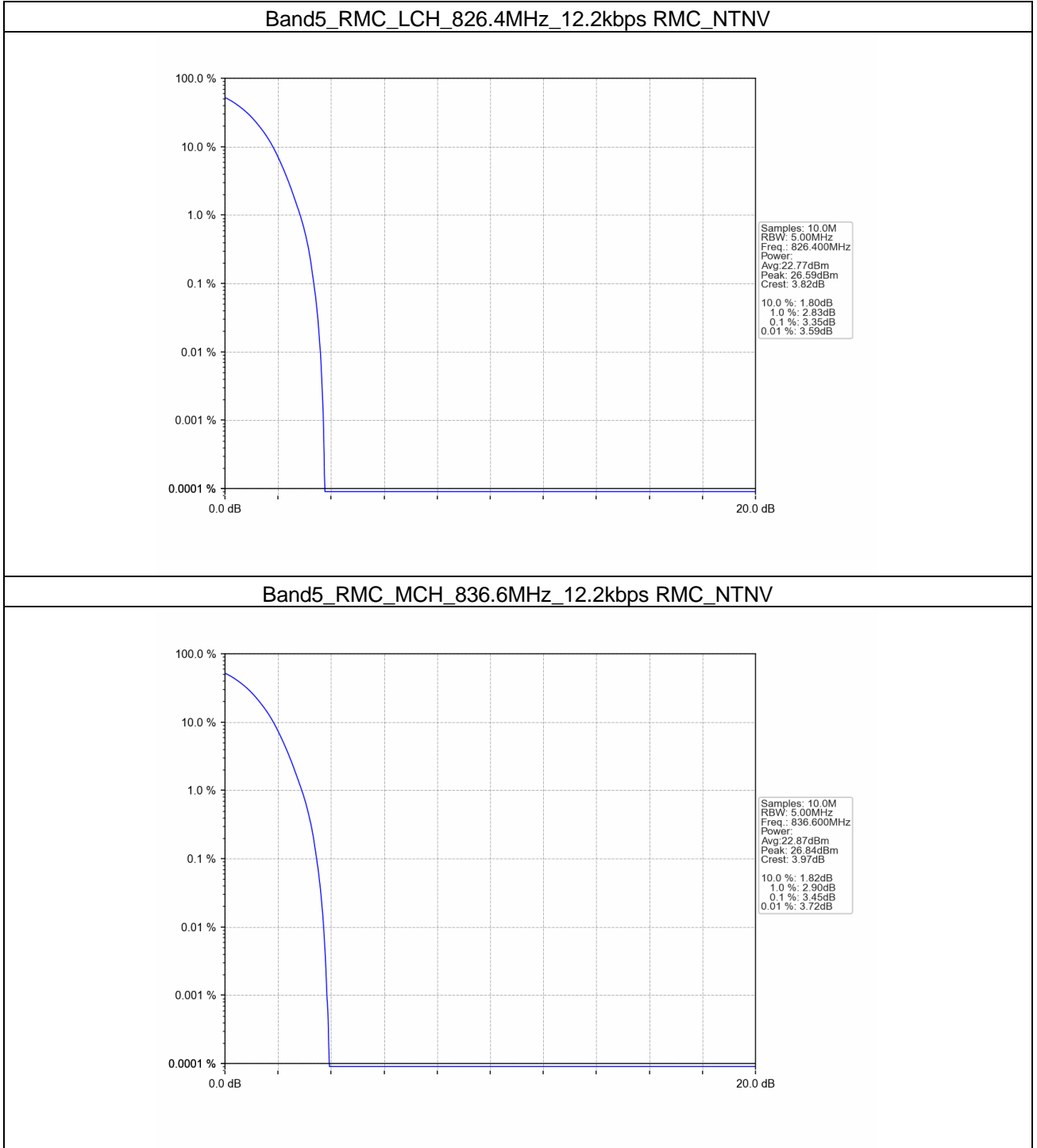
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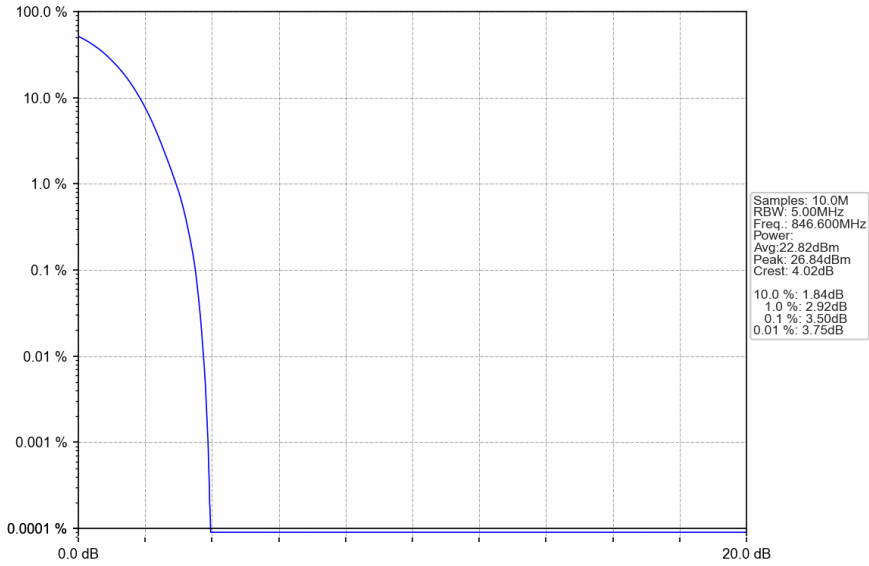


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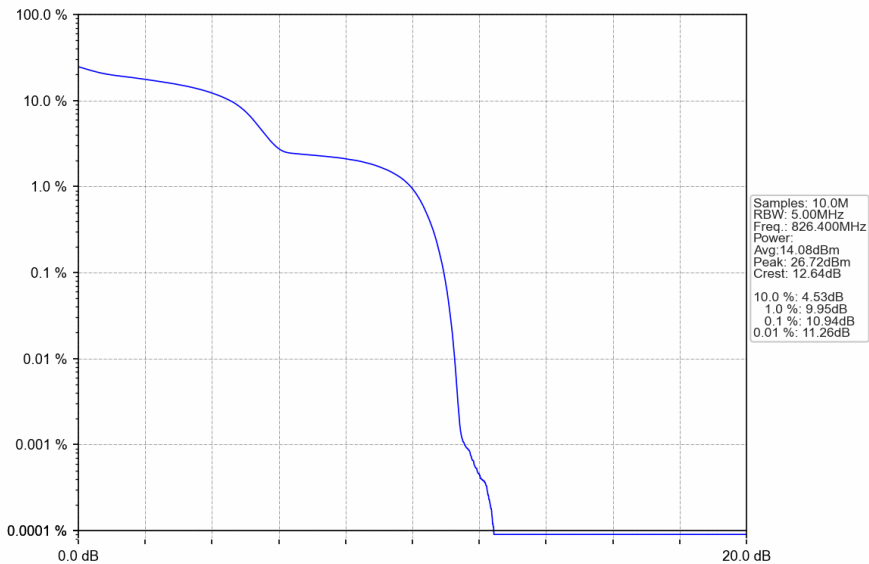


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Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV

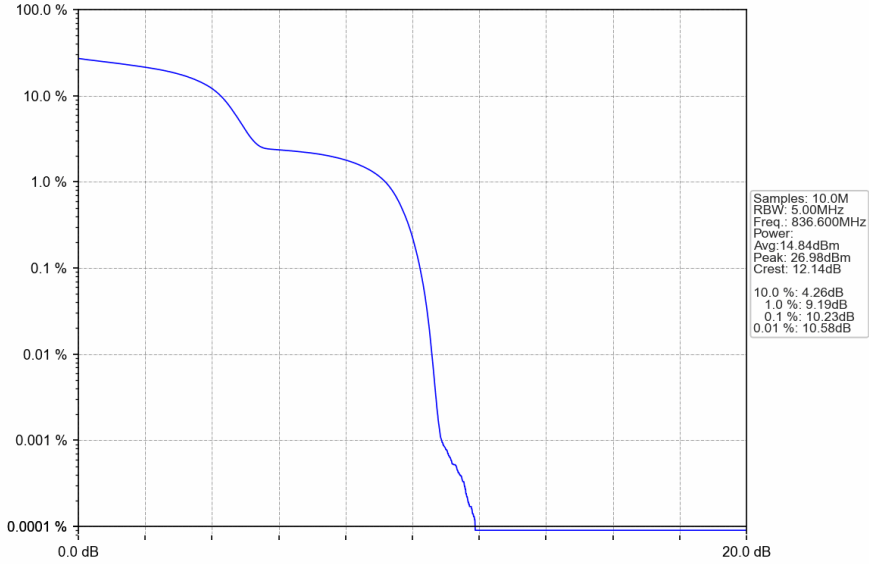


Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

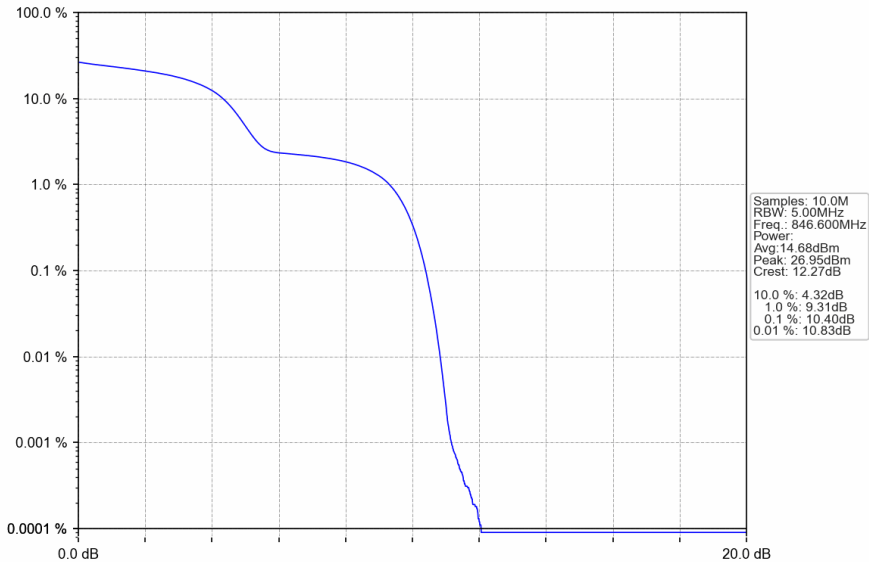


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Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV

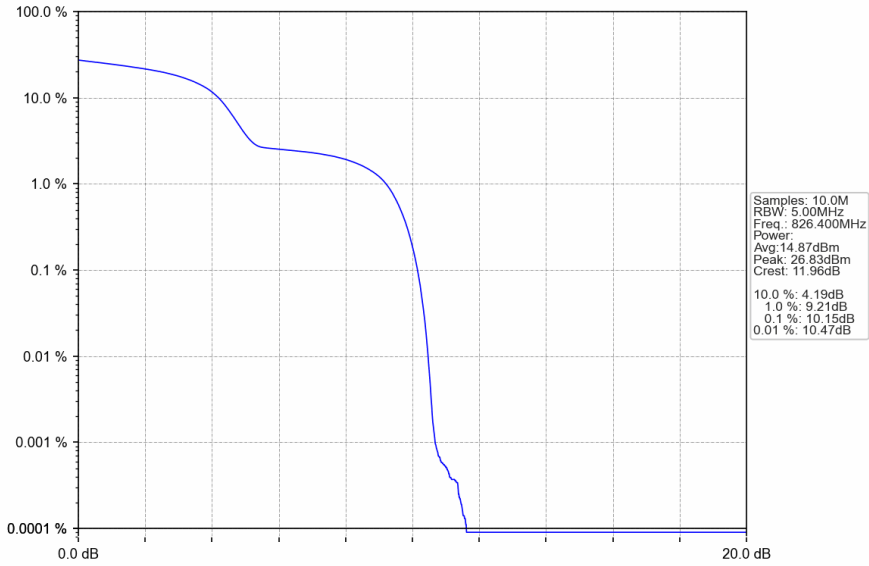


Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

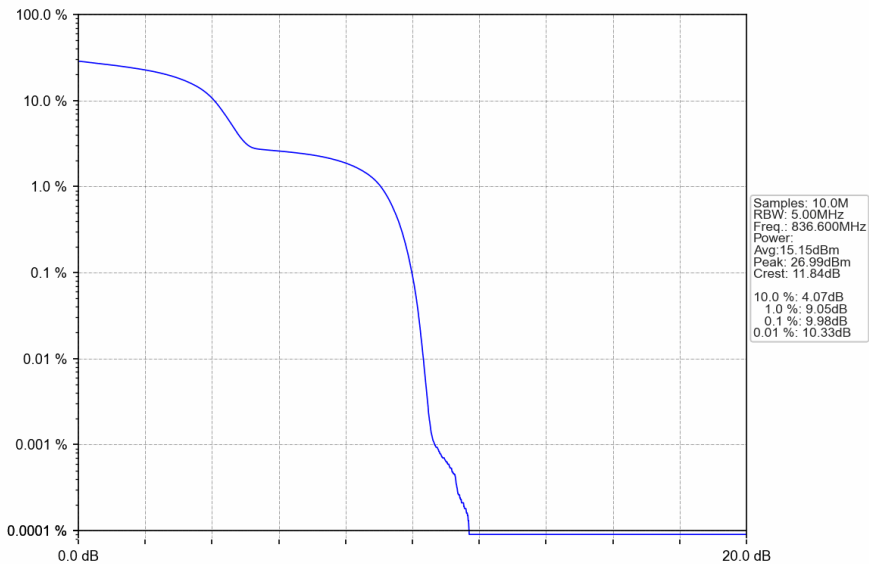


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Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV

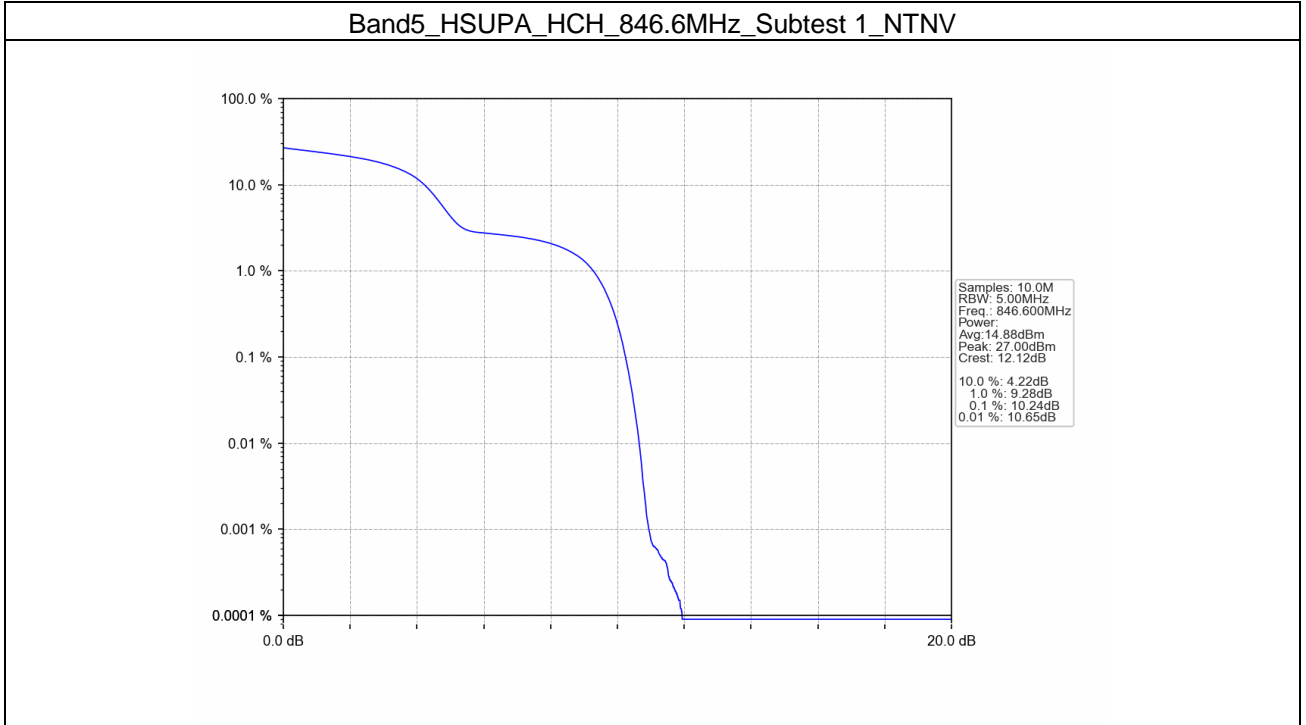


Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



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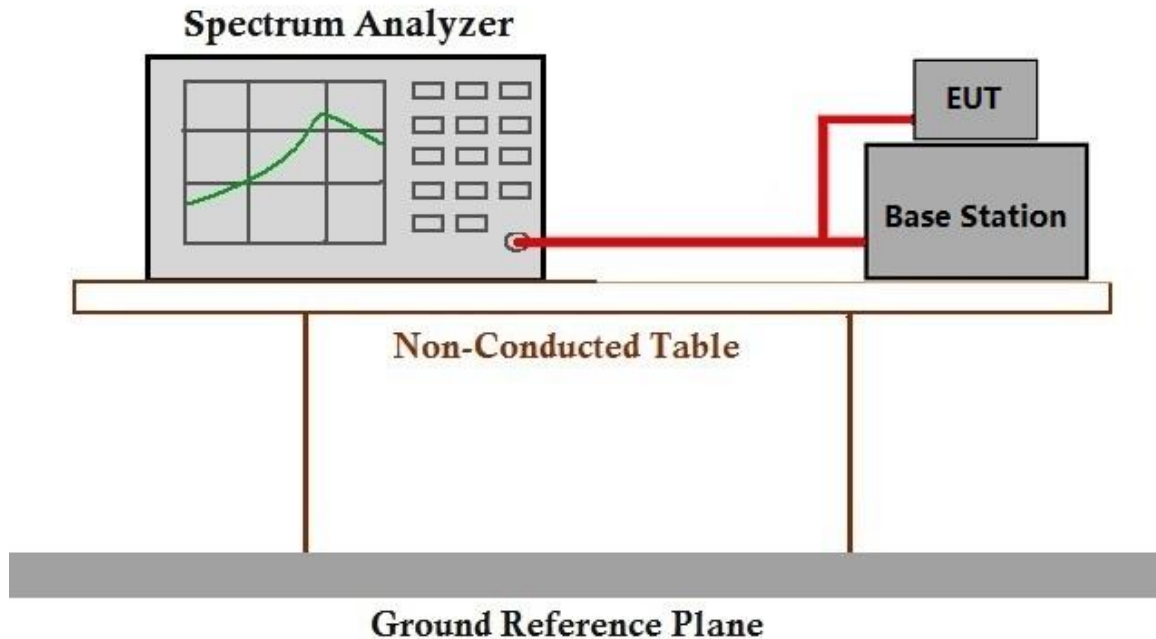
6.3 Bandwidth

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

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
 Test mode: 30: TX mode_Keep the EUT in transmitting mode

6.3.2 Test Setup Diagram



6.3.3 Measurement Data



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Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.177	Pass
			1880	4.157	Pass
			1907.6	4.169	Pass
	HSDPA	Subtest 1	1852.4	4.173	Pass
			1880	4.172	Pass
			1907.6	4.176	Pass
	HSUPA	Subtest 1	1852.4	4.171	Pass
			1880	4.181	Pass
			1907.6	4.166	Pass

Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.749	Pass
			1880	4.732	Pass
			1907.6	4.754	Pass
	HSDPA	Subtest 1	1852.4	4.752	Pass
			1880	4.797	Pass
			1907.6	4.749	Pass
	HSUPA	Subtest 1	1852.4	4.753	Pass
			1880	4.780	Pass
			1907.6	4.777	Pass

Band: 4					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.160	Pass
			1732.6	4.149	Pass
			1752.6	4.175	Pass
	HSDPA	Subtest 1	1712.4	4.175	Pass
			1732.6	4.161	Pass
			1752.6	4.180	Pass
	HSUPA	Subtest 1	1712.4	4.169	Pass
			1732.6	4.177	Pass
			1752.6	4.164	Pass



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Band: 4					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.720	Pass
			1732.6	4.746	Pass
			1752.6	4.772	Pass
	HSDPA	Subtest 1	1712.4	4.770	Pass
			1732.6	4.768	Pass
			1752.6	4.771	Pass
	HSUPA	Subtest 1	1712.4	4.765	Pass
			1732.6	4.785	Pass
			1752.6	4.764	Pass

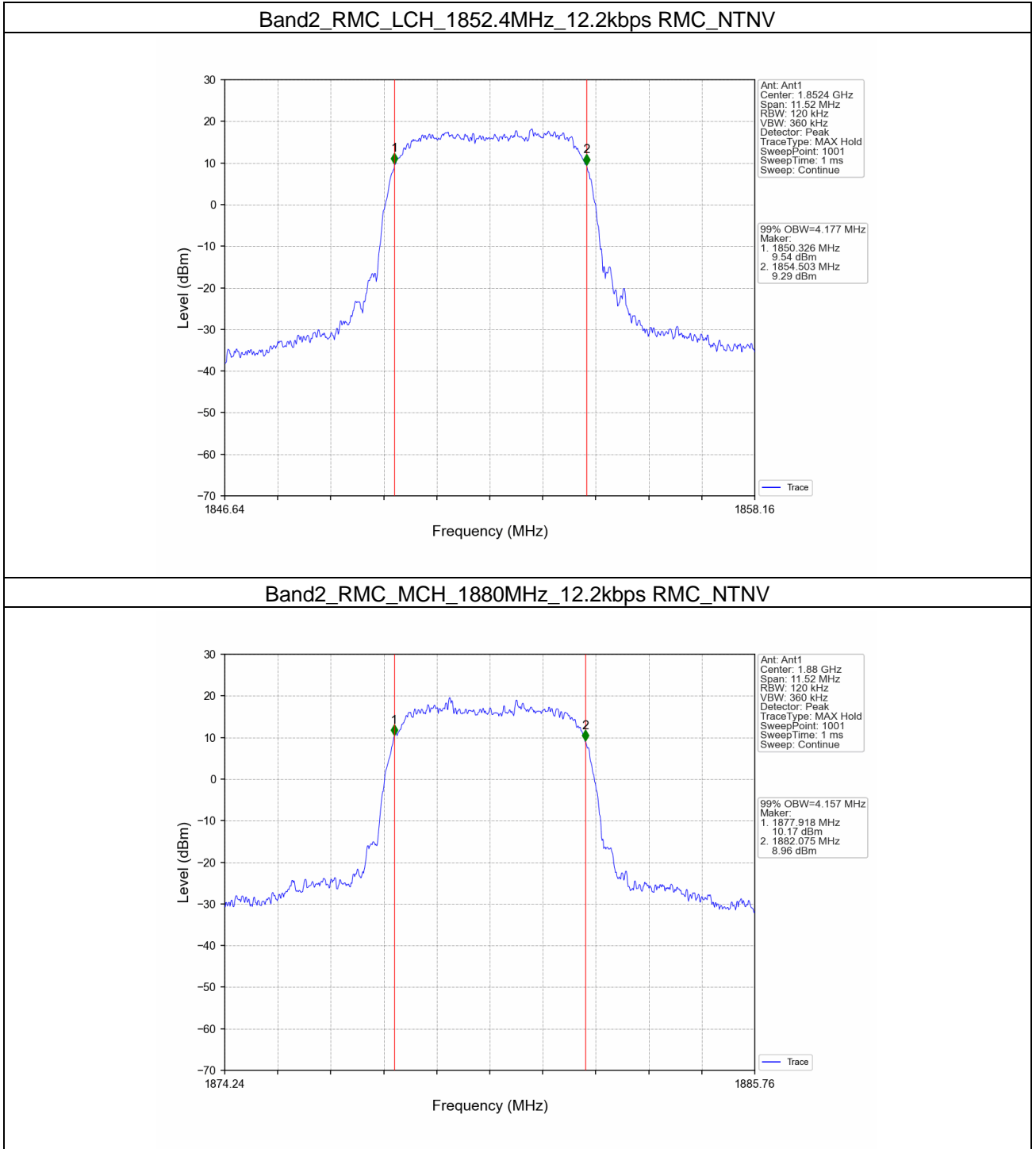
Band: 5					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	826.4	4.153	Pass
			836.6	4.141	Pass
			846.6	4.140	Pass
	HSDPA	Subtest 1	826.4	4.196	Pass
			836.6	4.149	Pass
			846.6	4.174	Pass
	HSUPA	Subtest 1	826.4	4.168	Pass
			836.6	4.166	Pass
			846.6	4.163	Pass

Band: 5					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	826.4	4.716	Pass
			836.6	4.718	Pass
			846.6	4.727	Pass
	HSDPA	Subtest 1	826.4	4.789	Pass
			836.6	4.815	Pass
			846.6	4.812	Pass
	HSUPA	Subtest 1	826.4	4.791	Pass
			836.6	4.776	Pass
			846.6	4.793	Pass



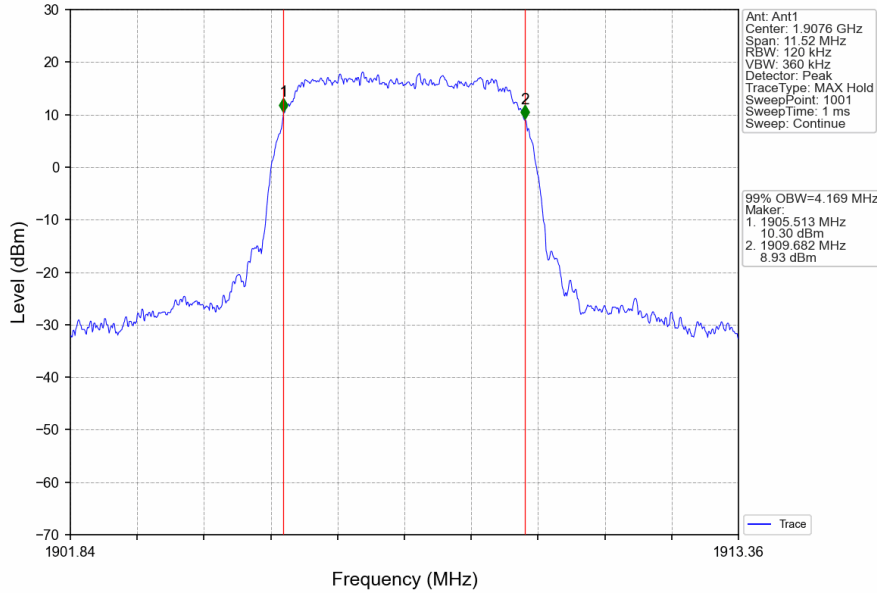
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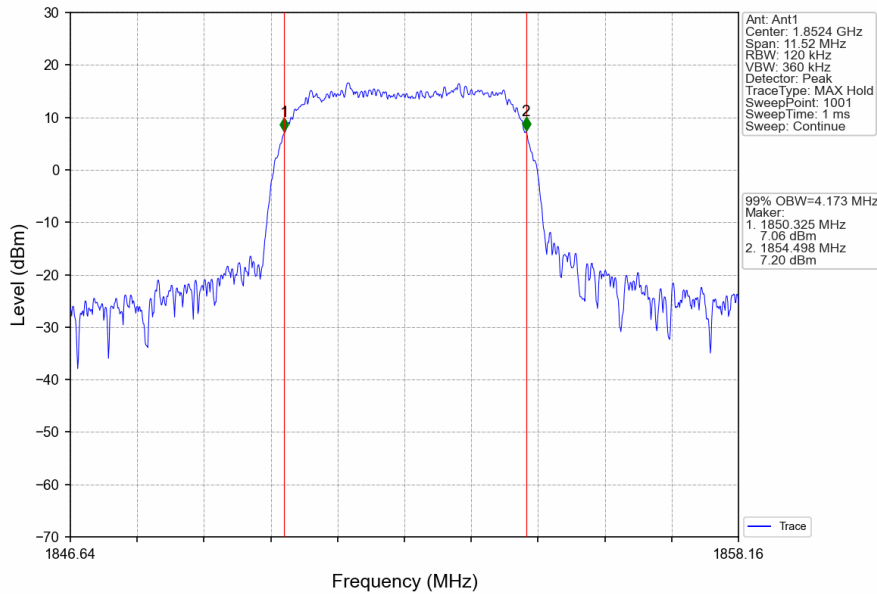


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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV

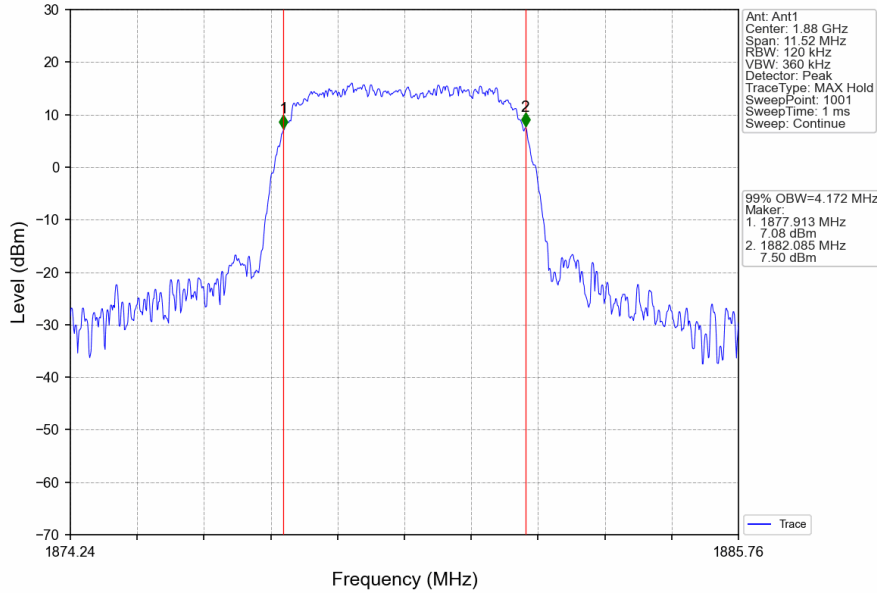


Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

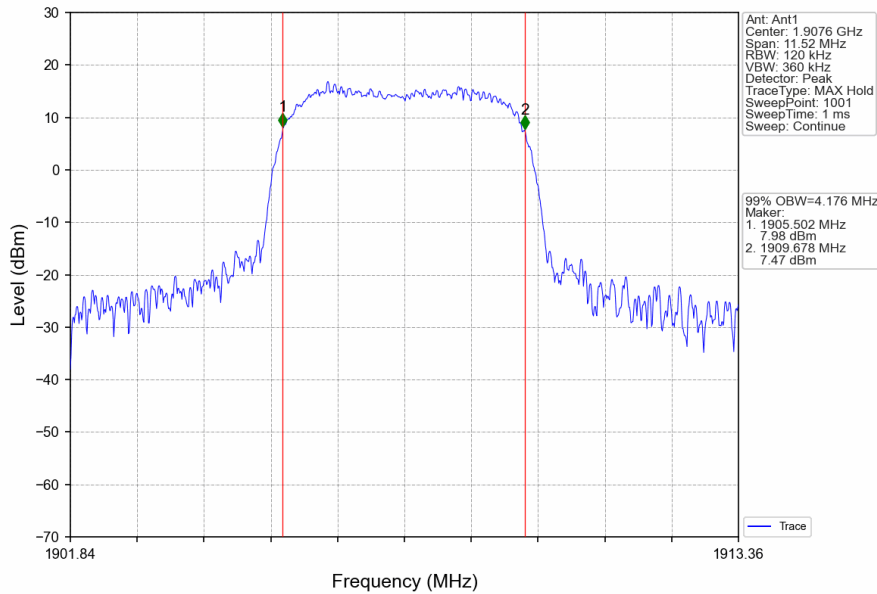


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Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



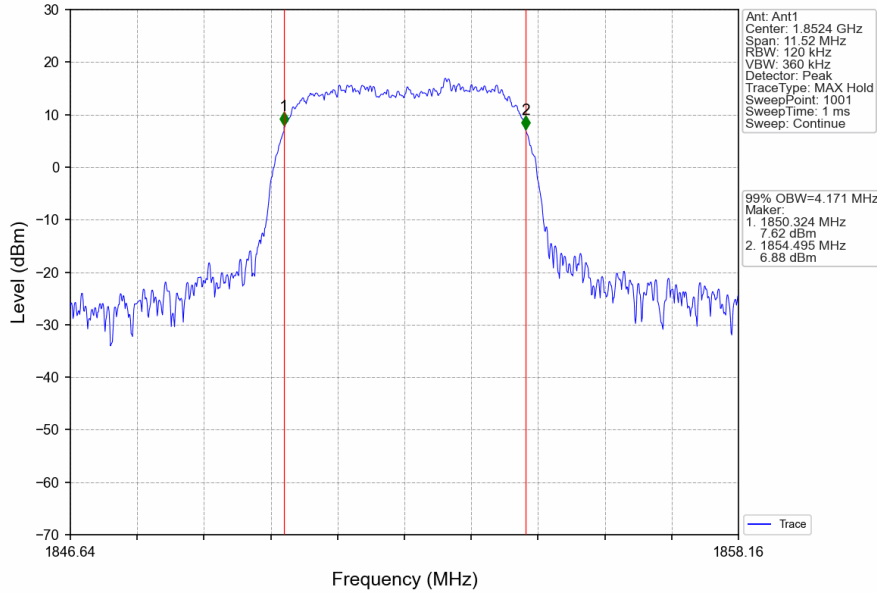
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



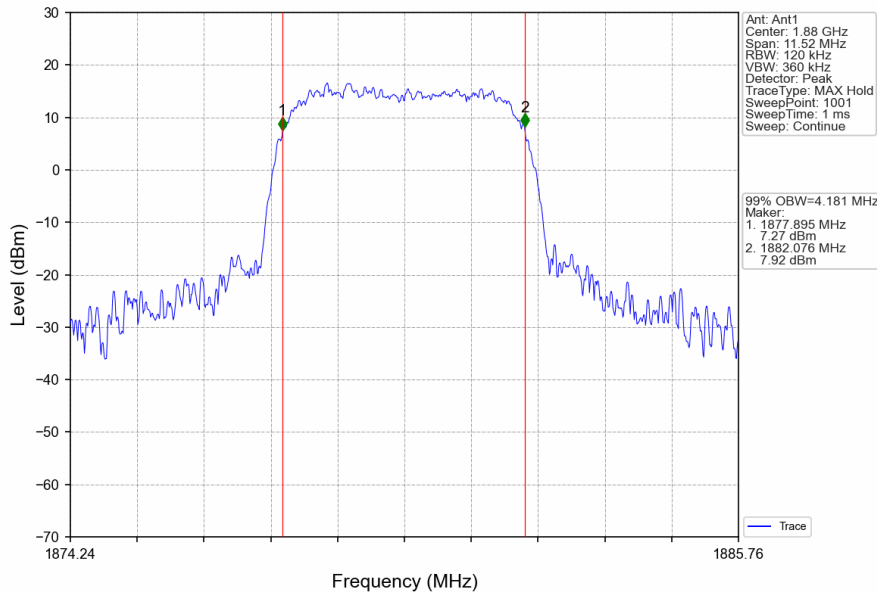
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Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

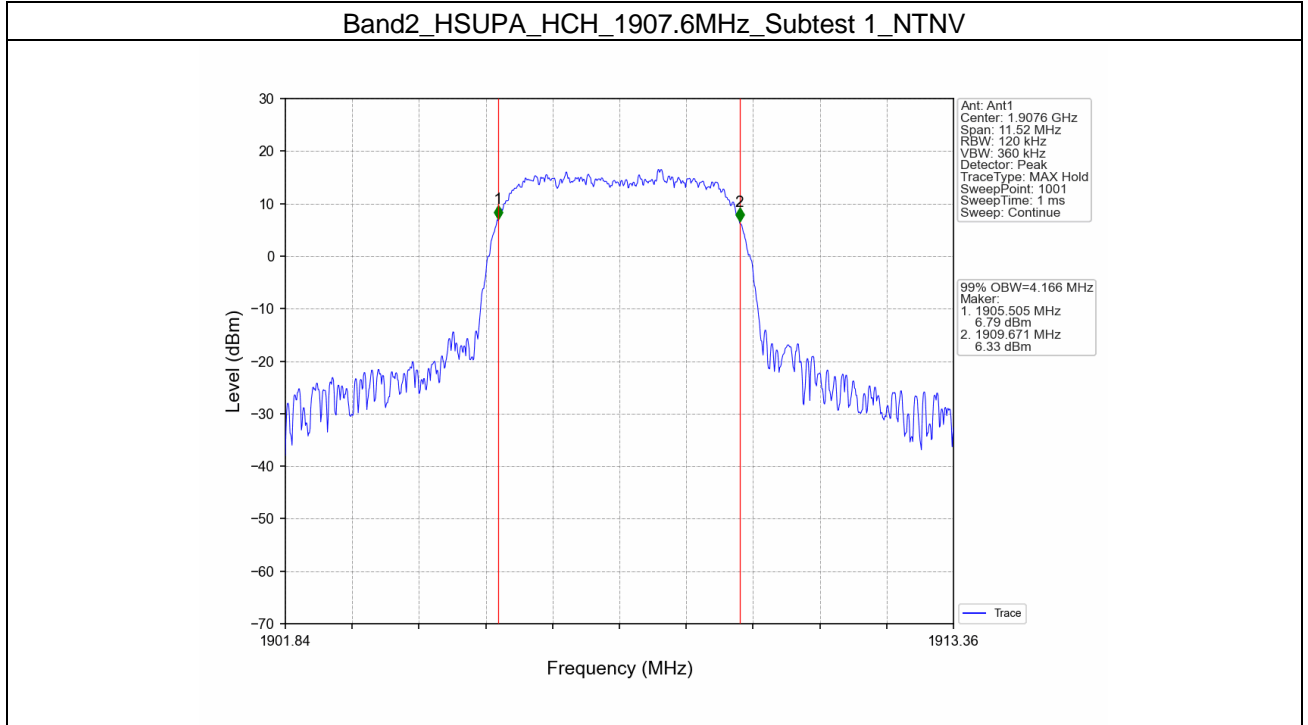


Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV

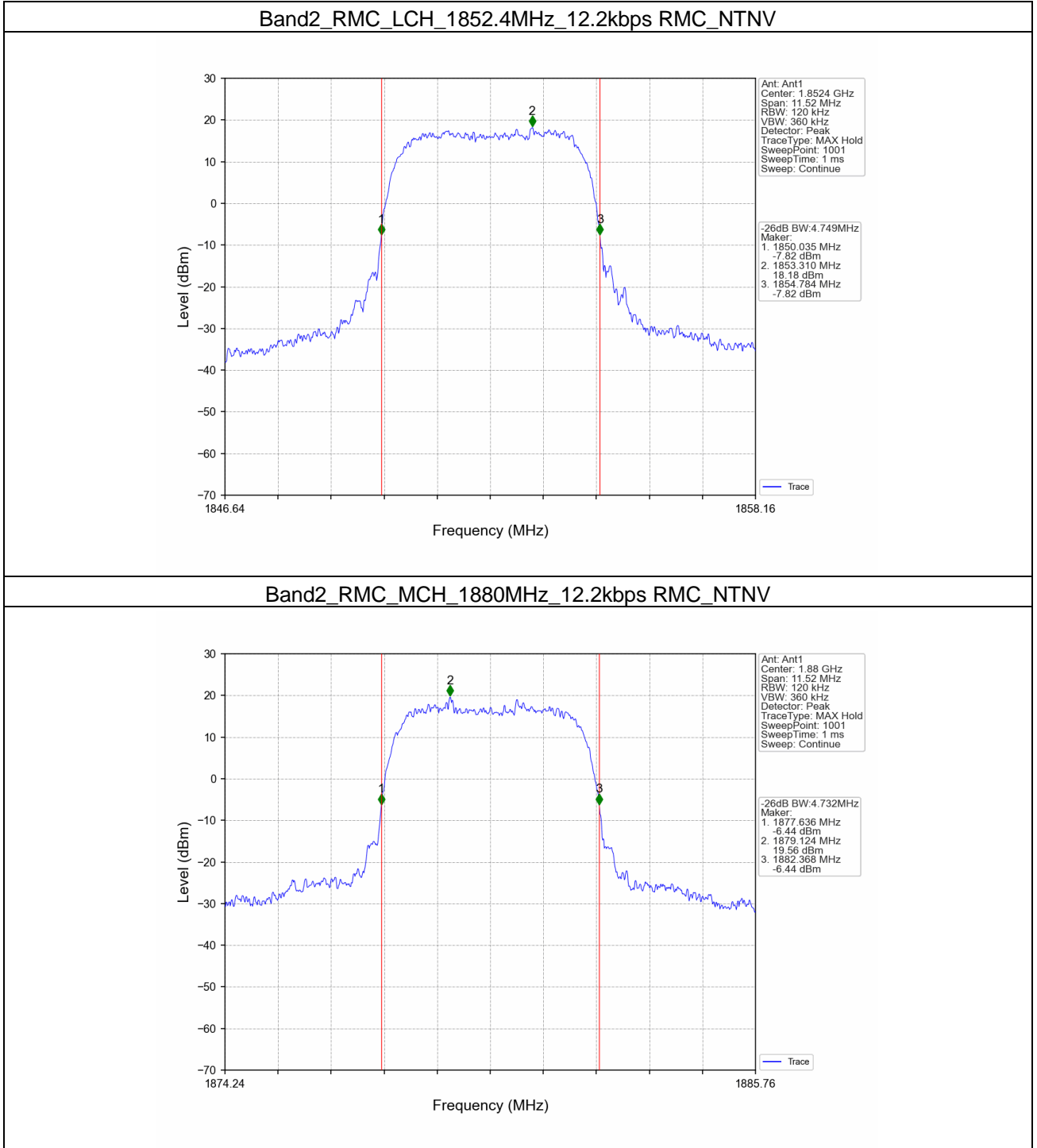


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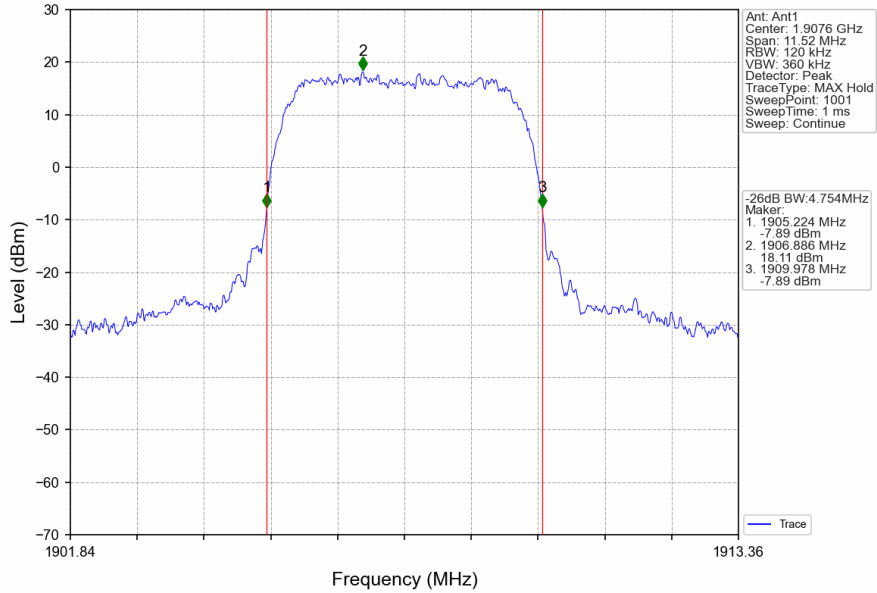


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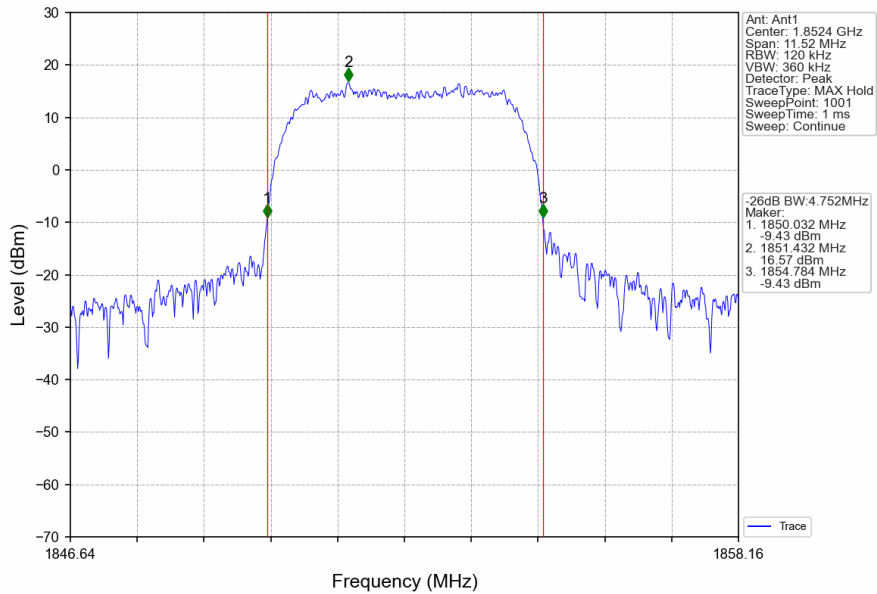
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV

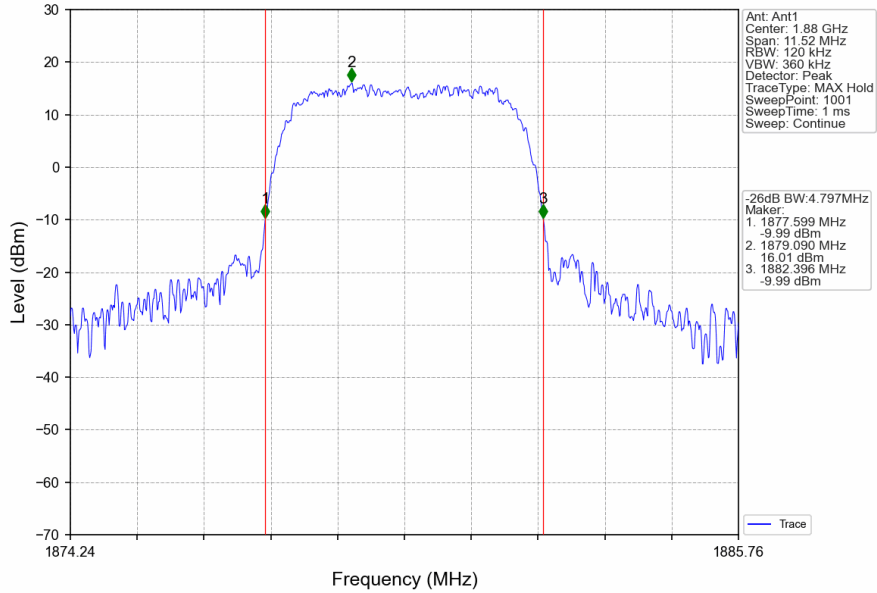


Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

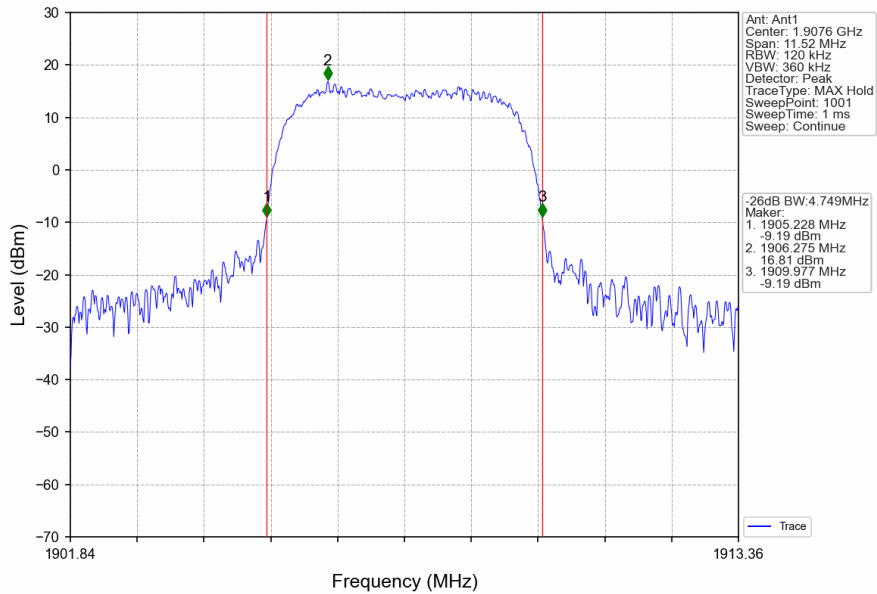


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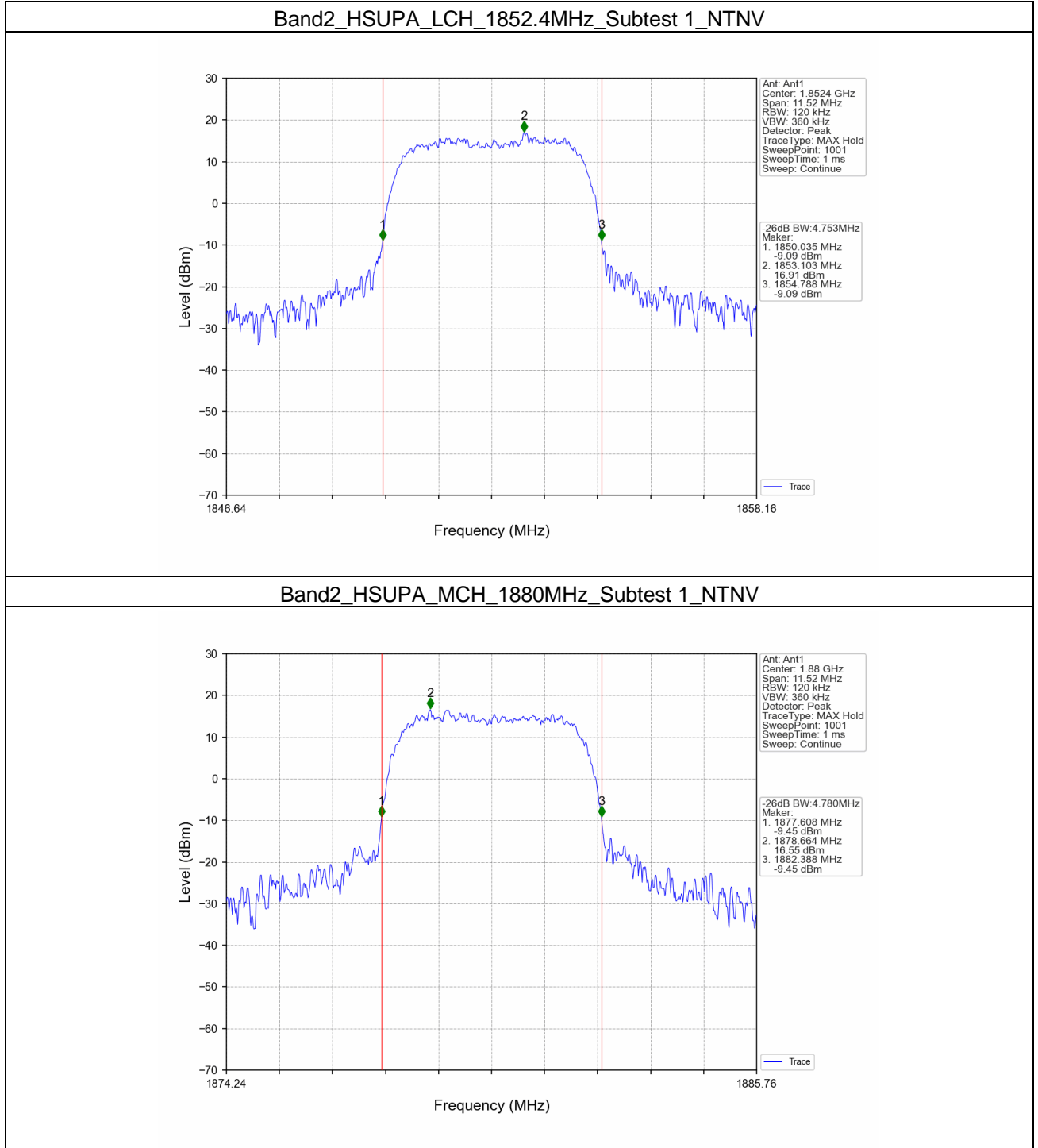
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



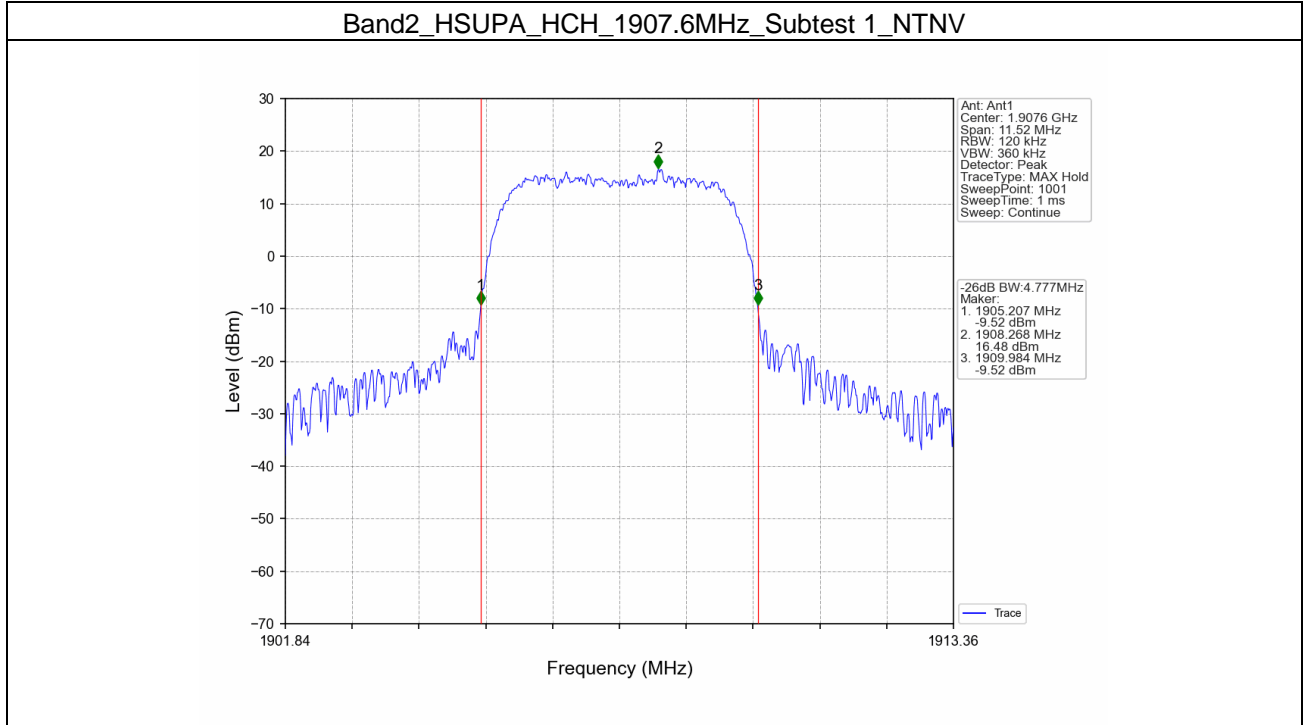
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



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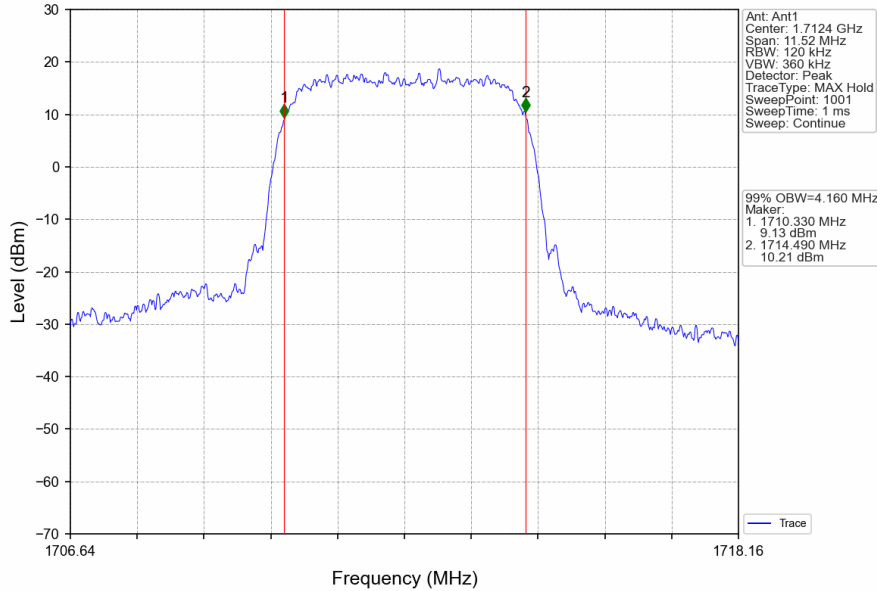


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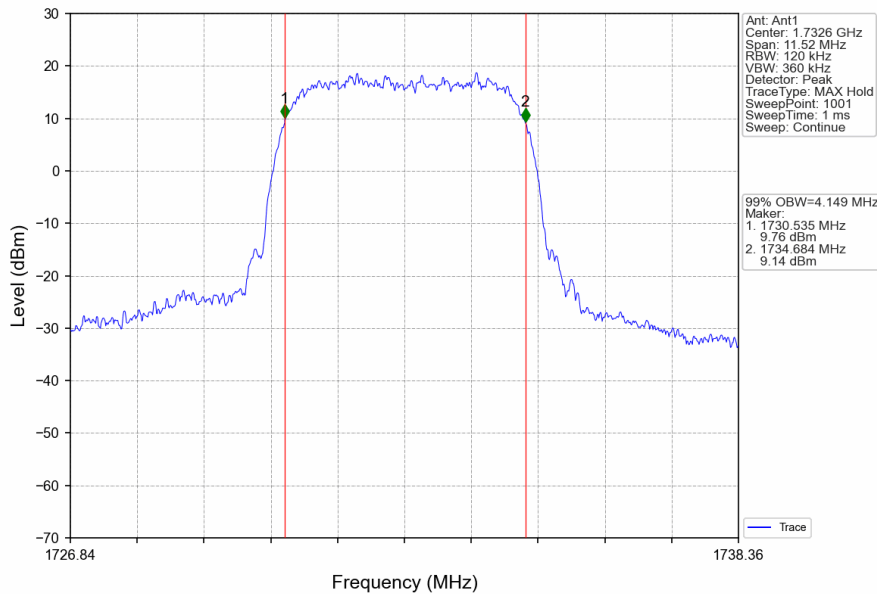


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Band4_RMC_LCH_1712.4MHz_12.2kbps RMC_NTNV

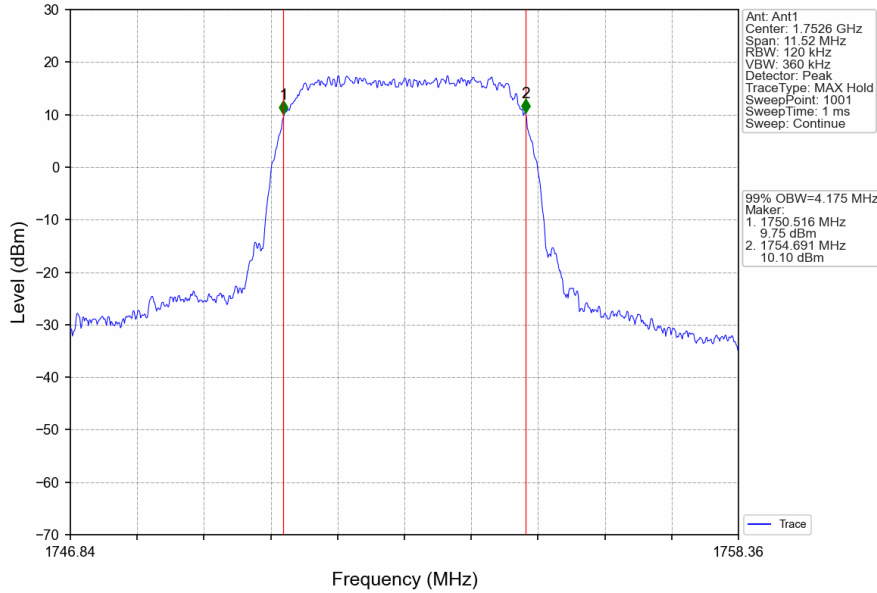


Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV

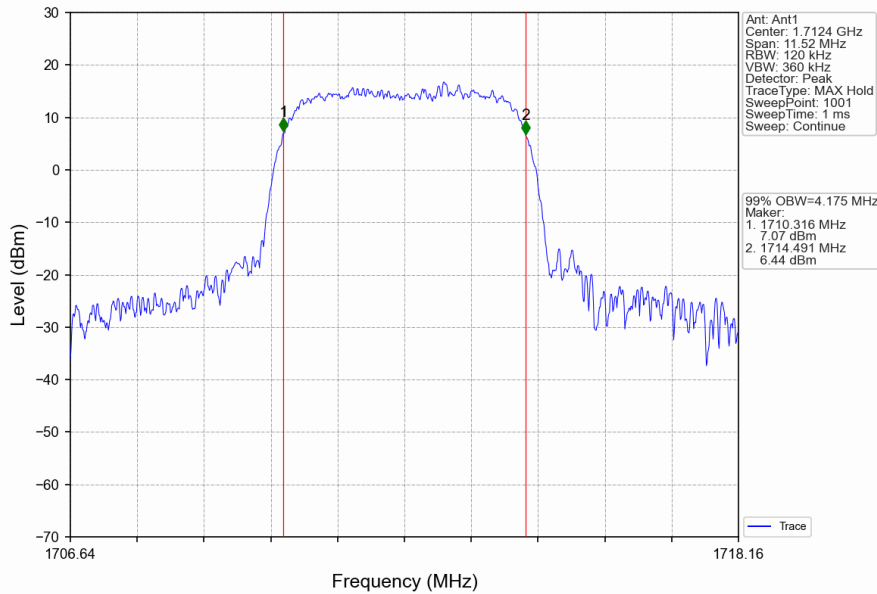


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Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV

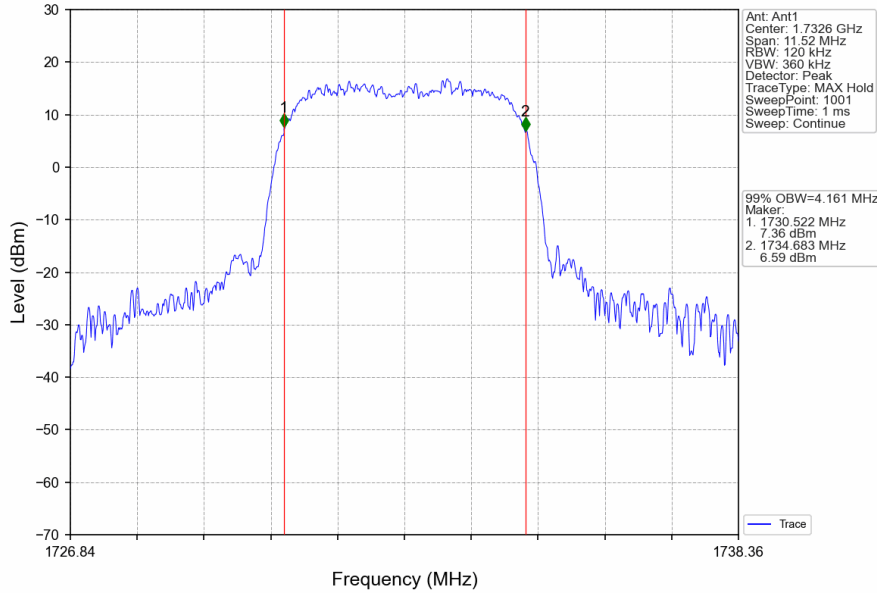


Band4_HSDPA_LCH_1712.4MHz_Subtest 1_NTNV

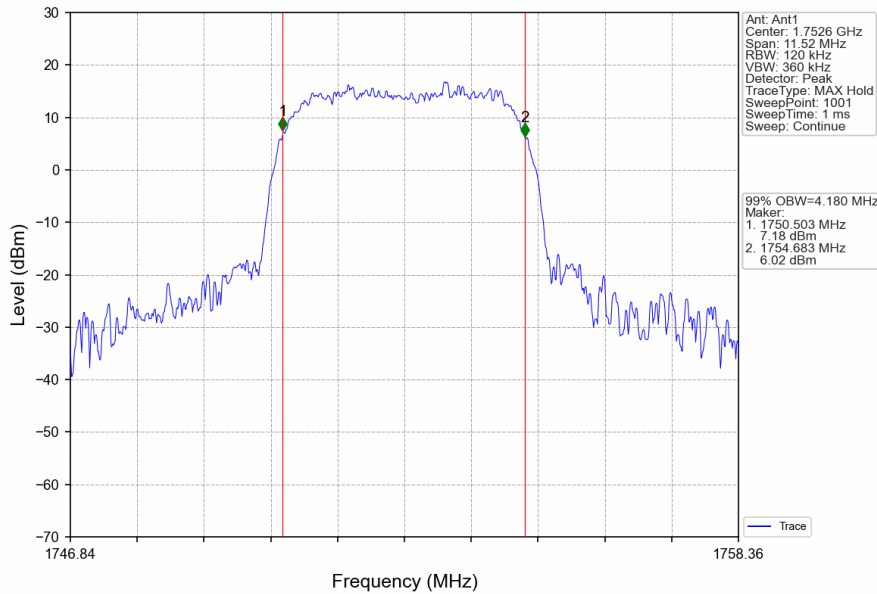


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Band4_HSDPA_MCH_1732.6MHz_Subtest 1_NTNV

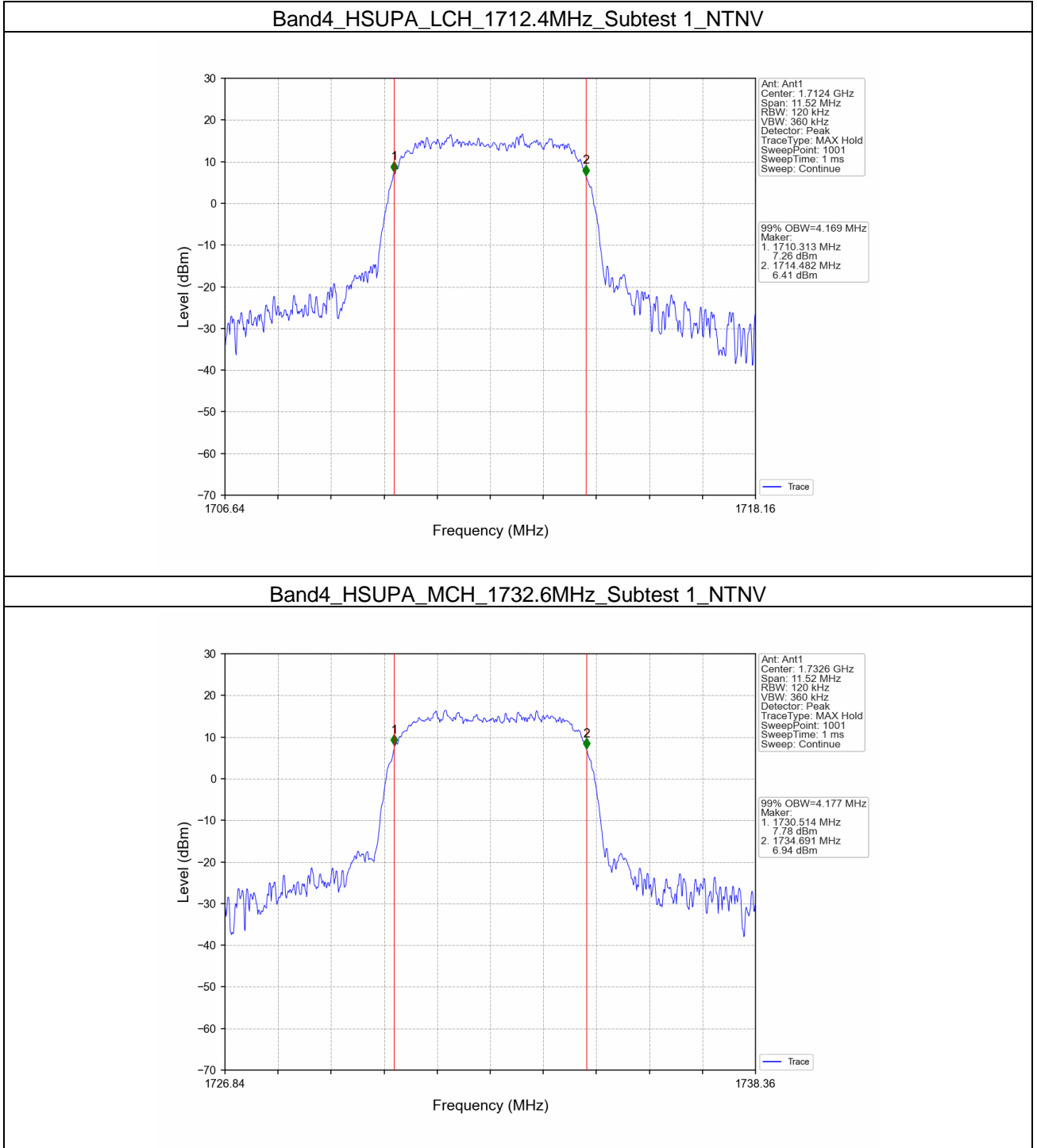


Band4_HSDPA_HCH_1752.6MHz_Subtest 1_NTNV

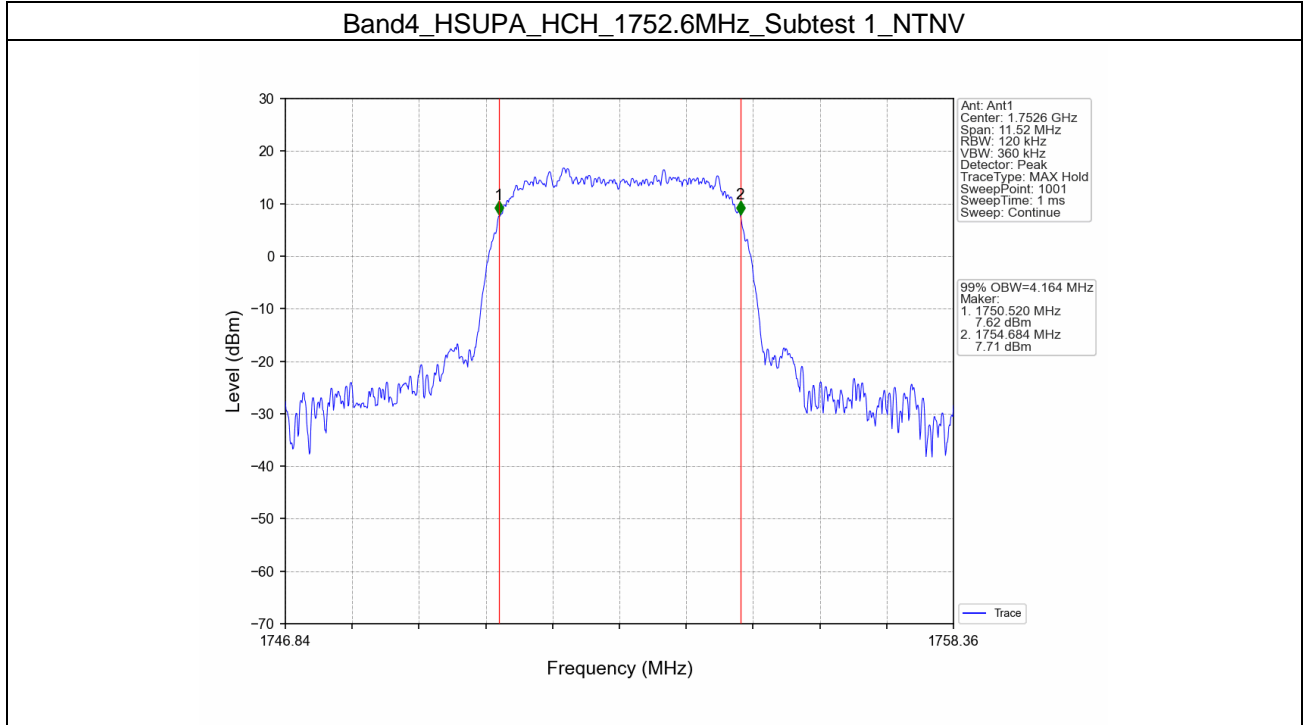


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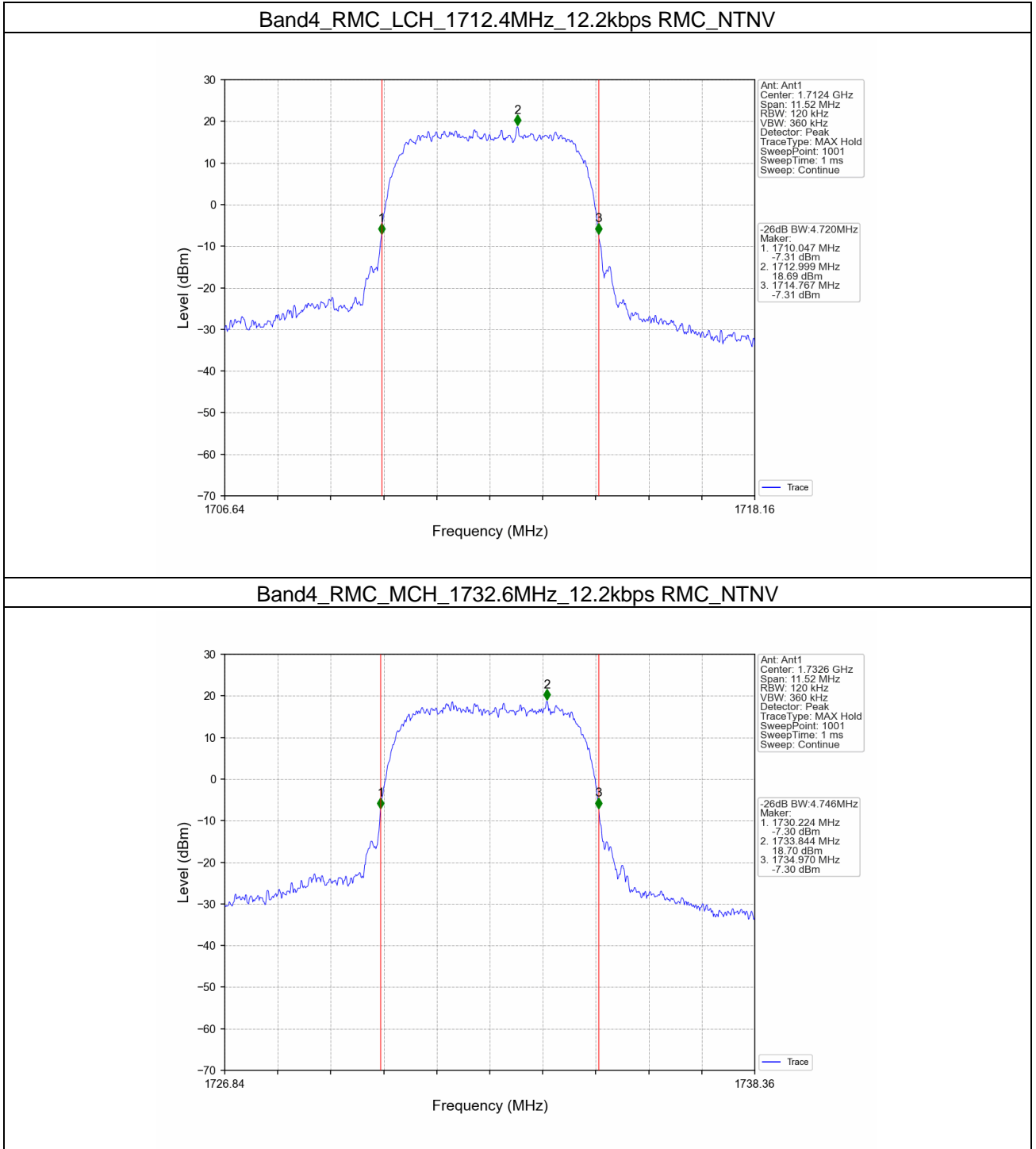


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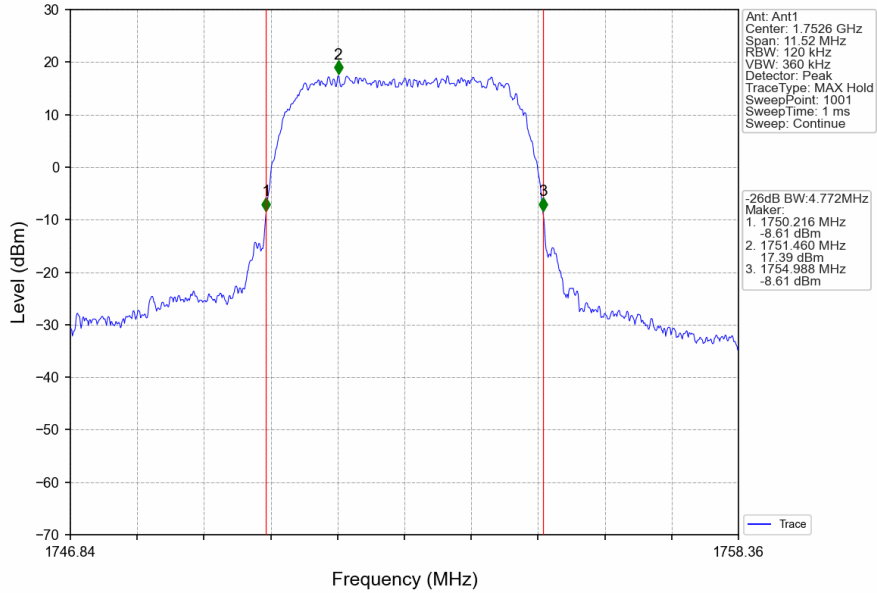
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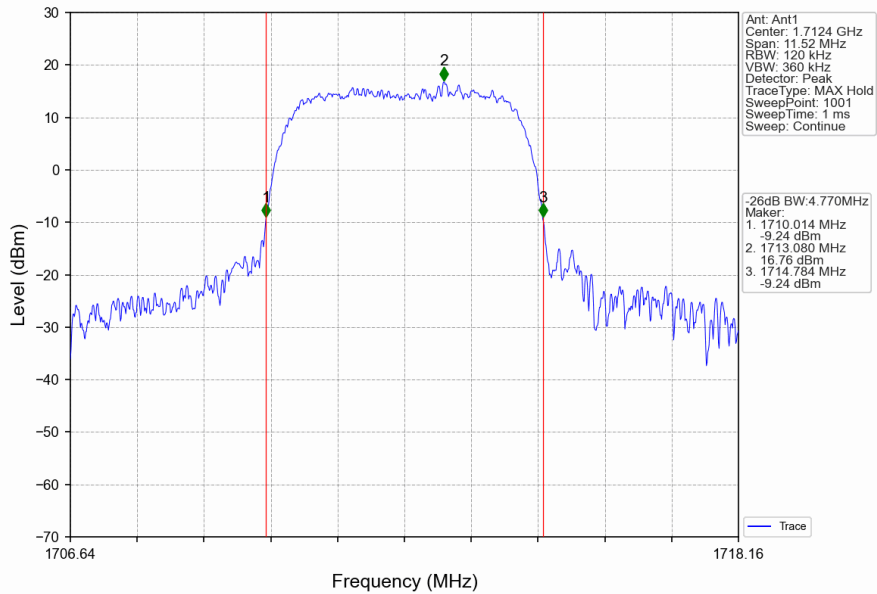


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Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV

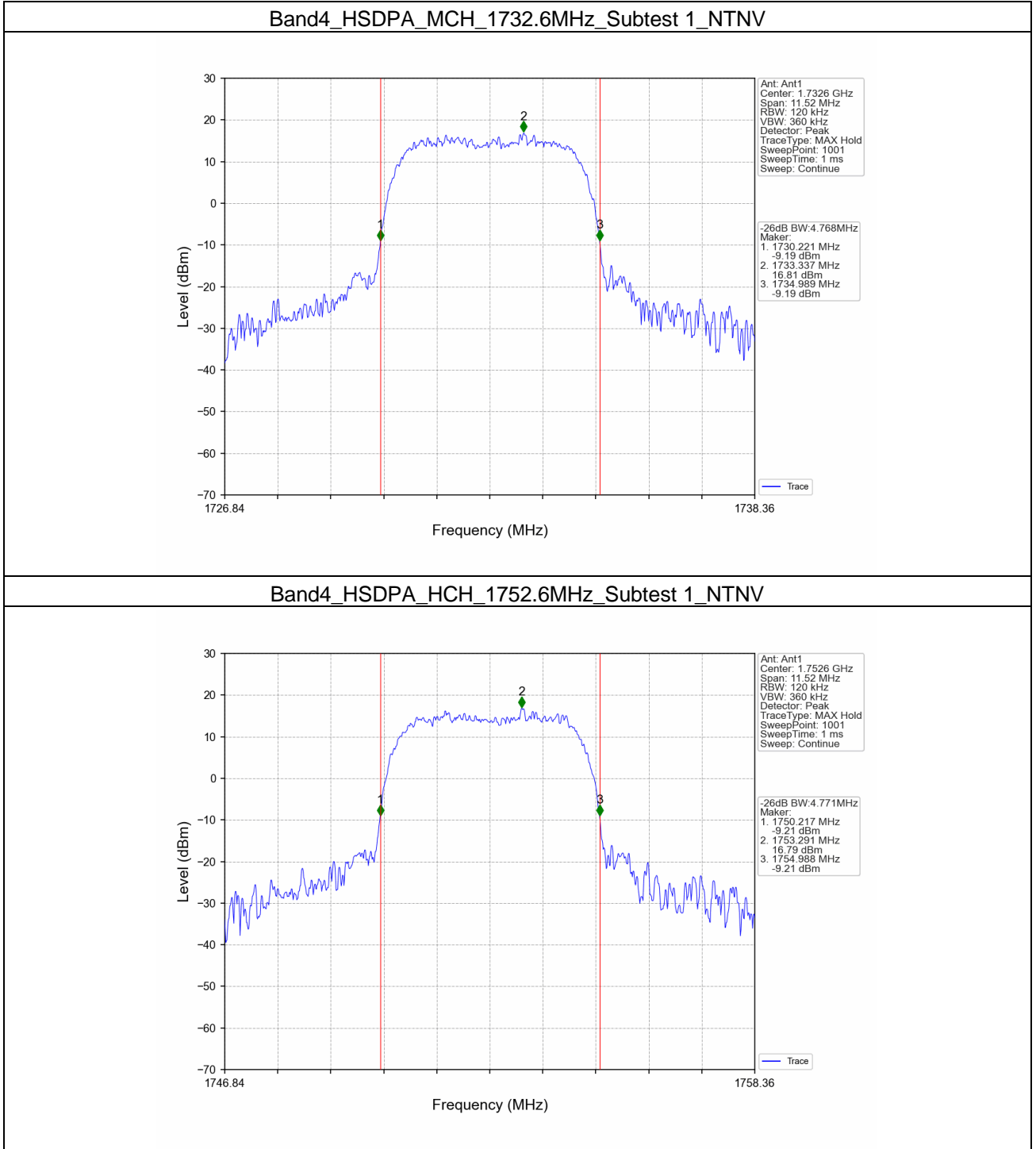


Band4_HSDPA_LCH_1712.4MHz_Subtest 1_NTNV



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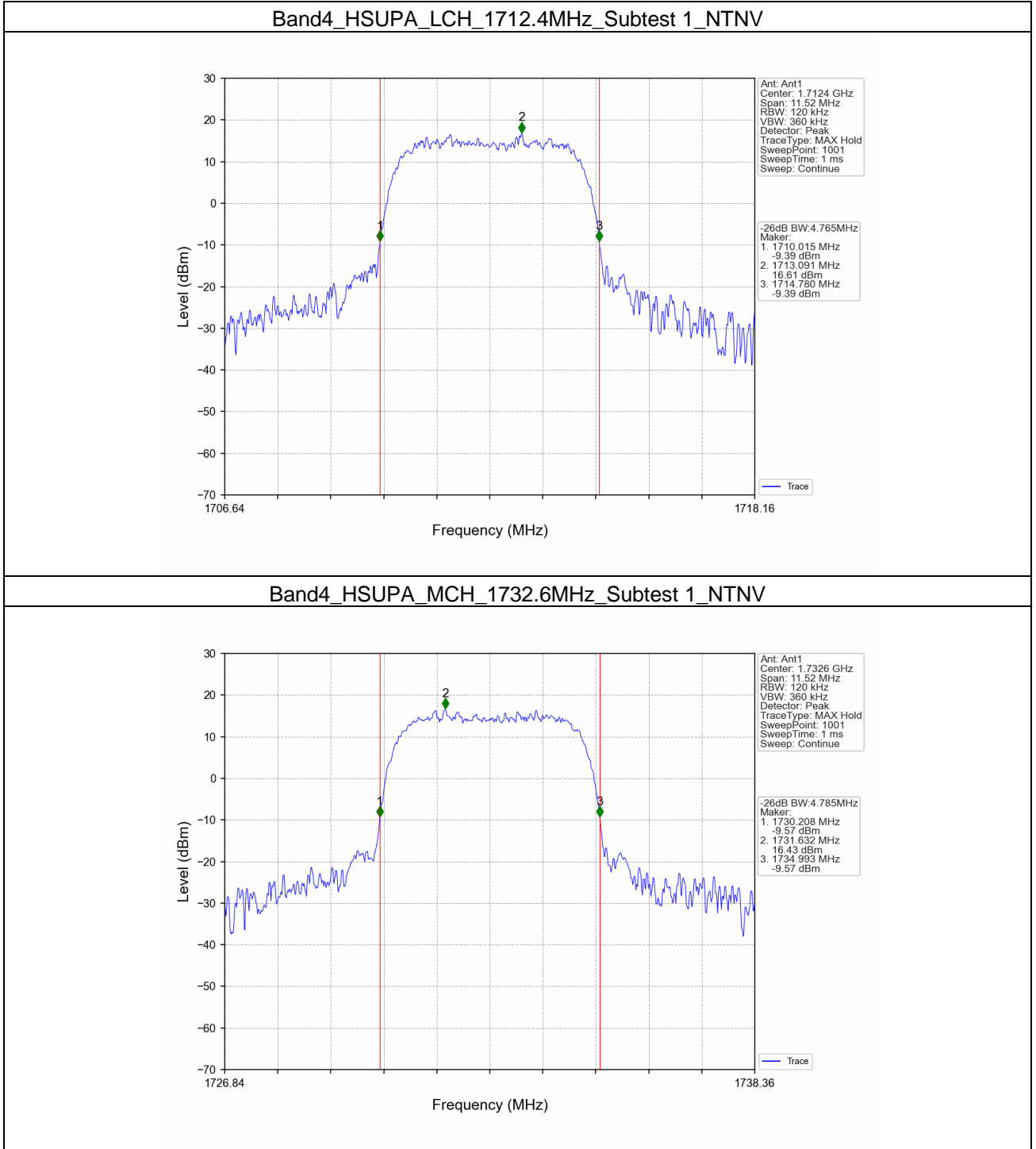
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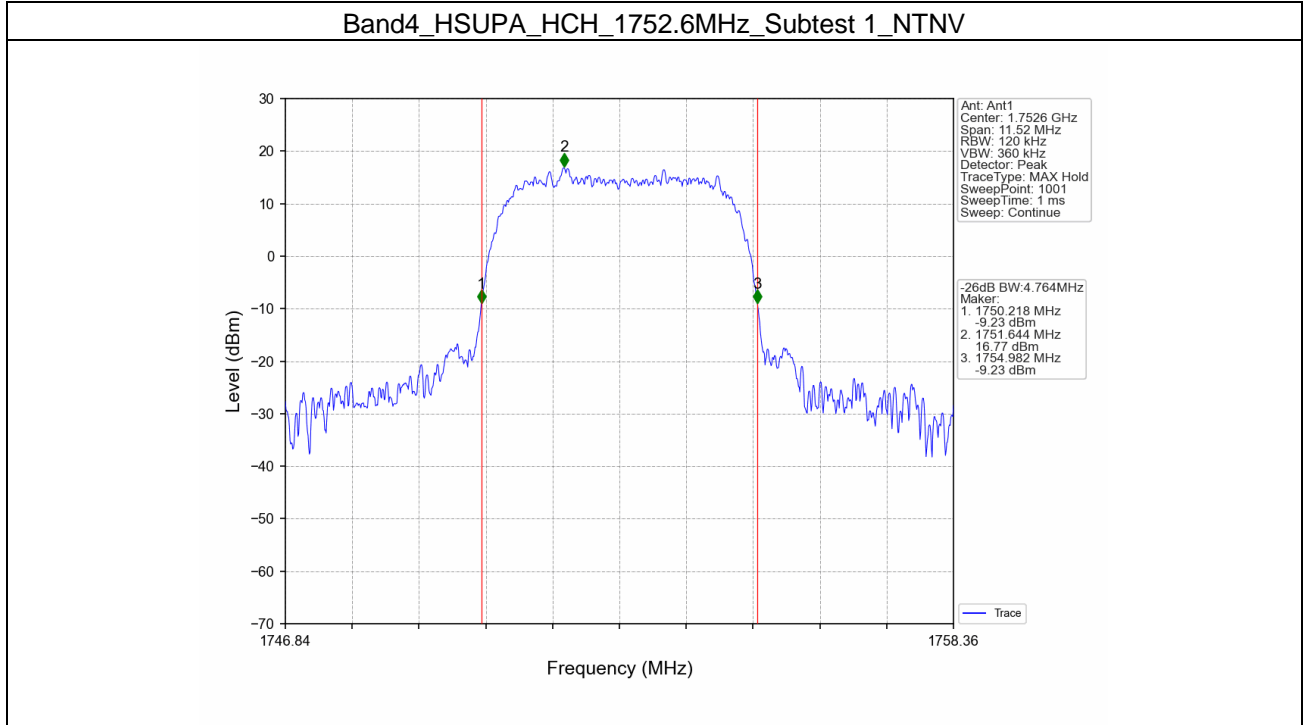
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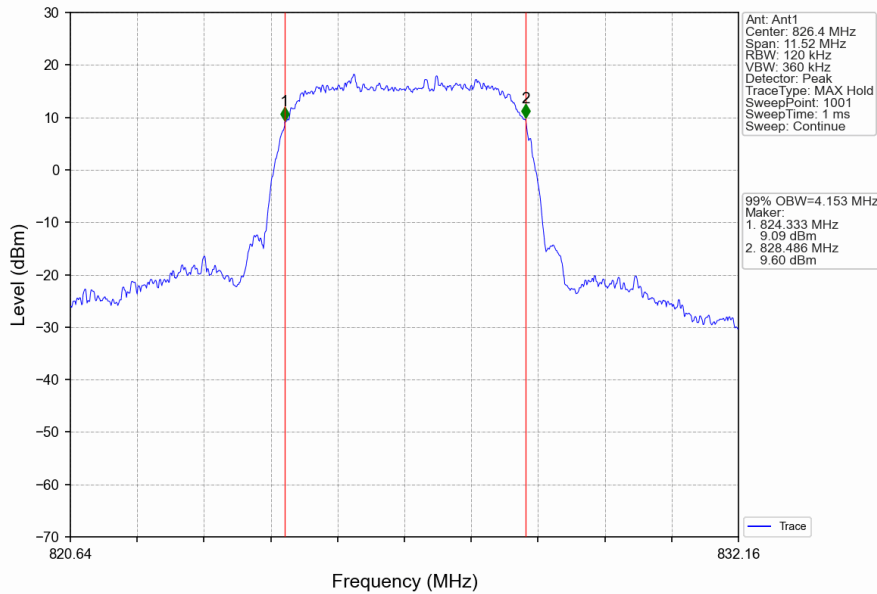


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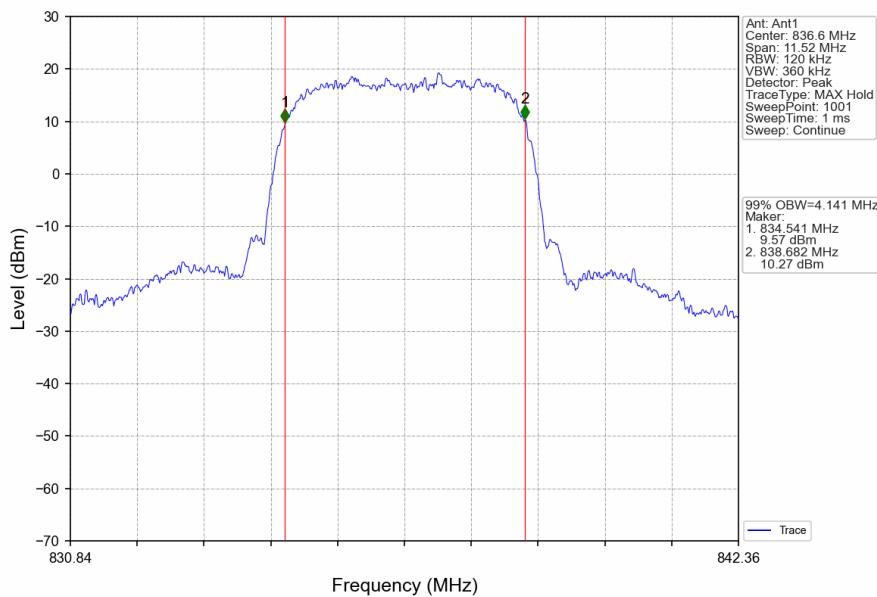


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Band5_RMC_LCH_826.4MHz_12.2kbps RMC_NTNV

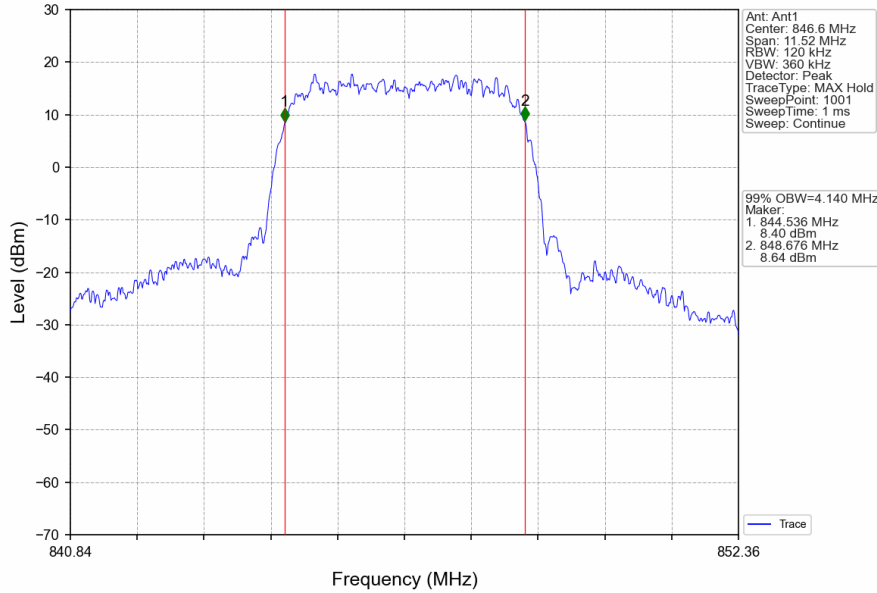


Band5_RMC_MCH_836.6MHz_12.2kbps RMC_NTNV

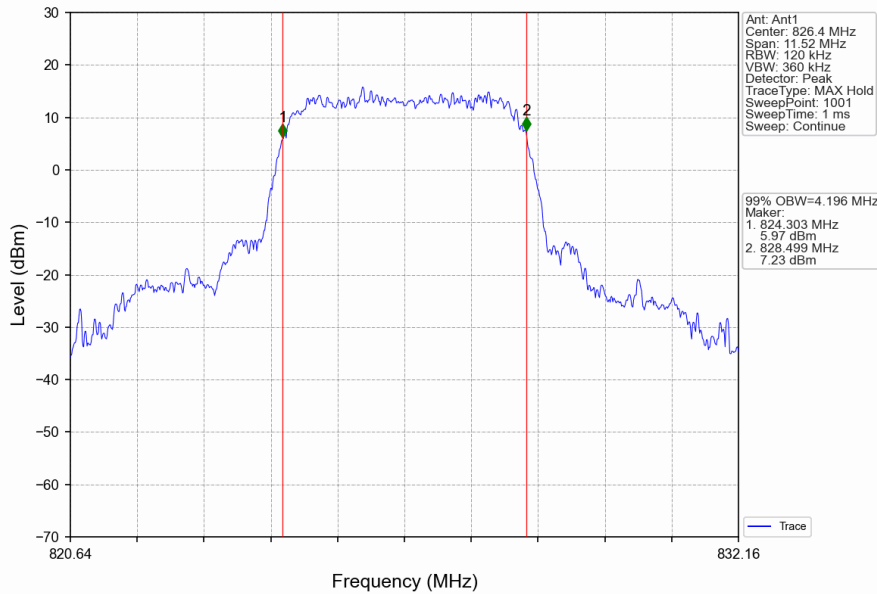


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Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV

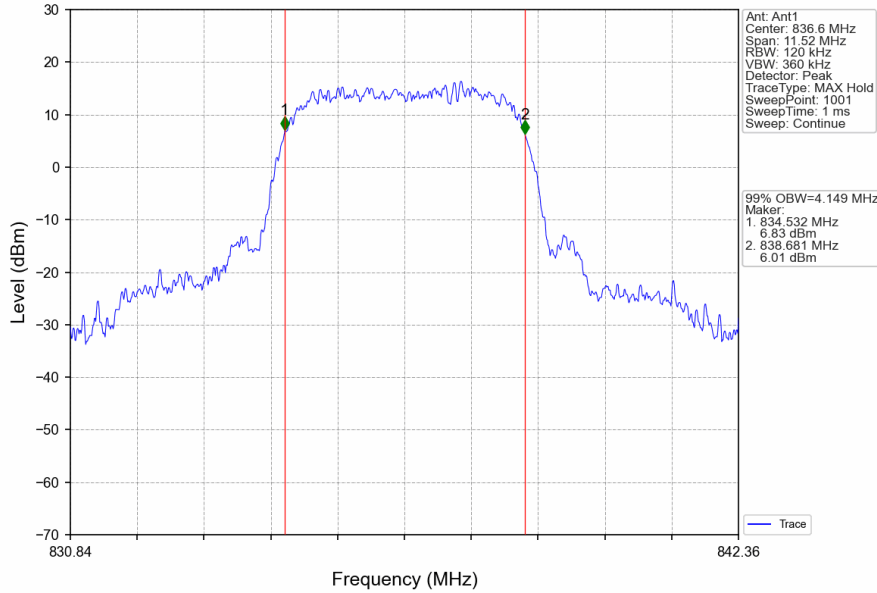


Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

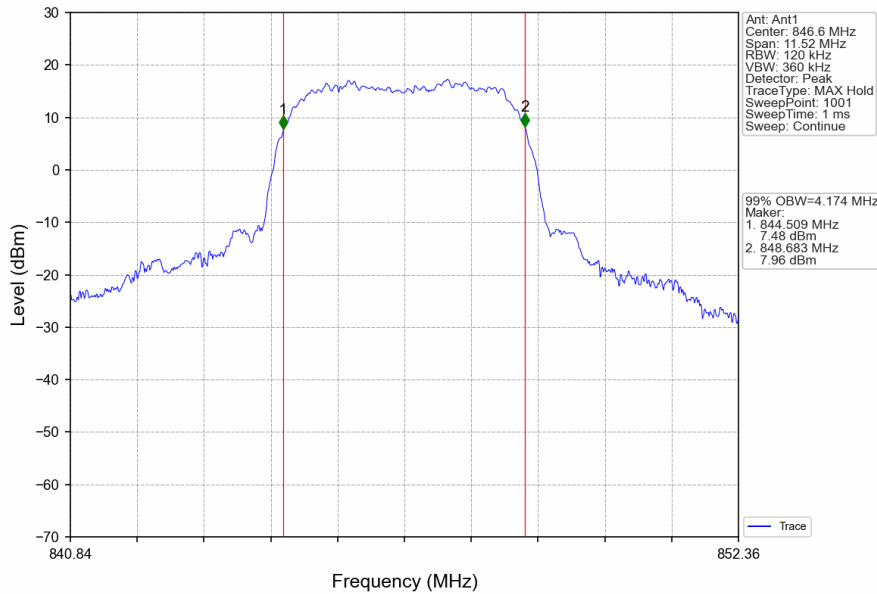


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Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

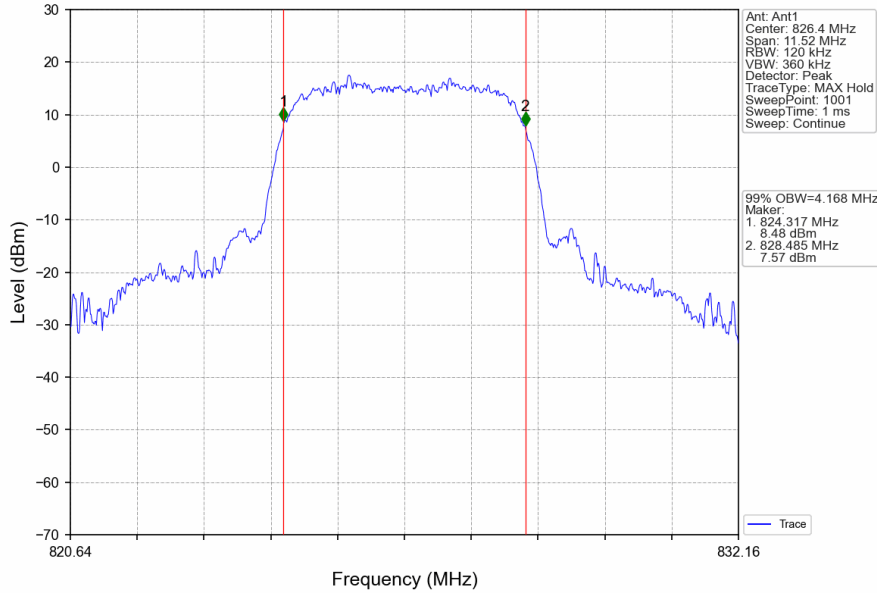


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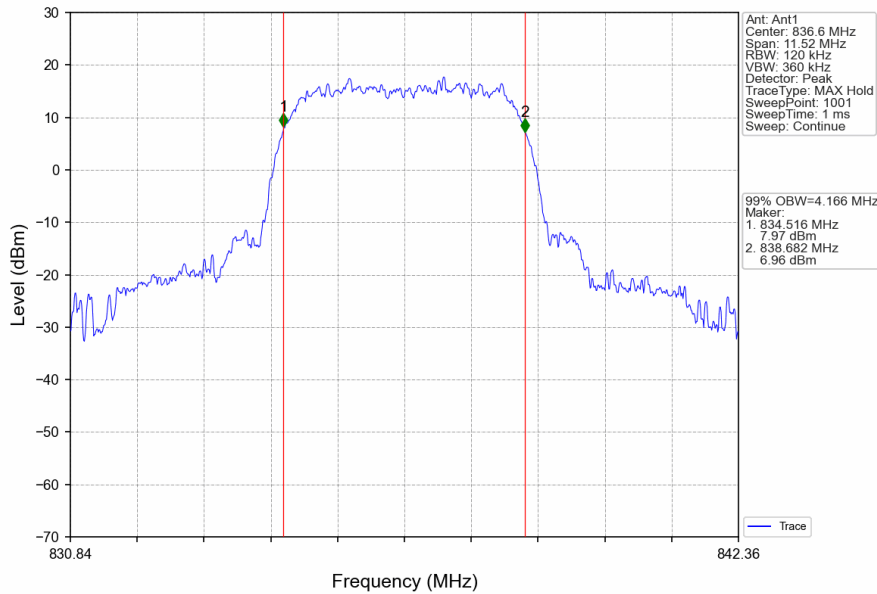
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Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



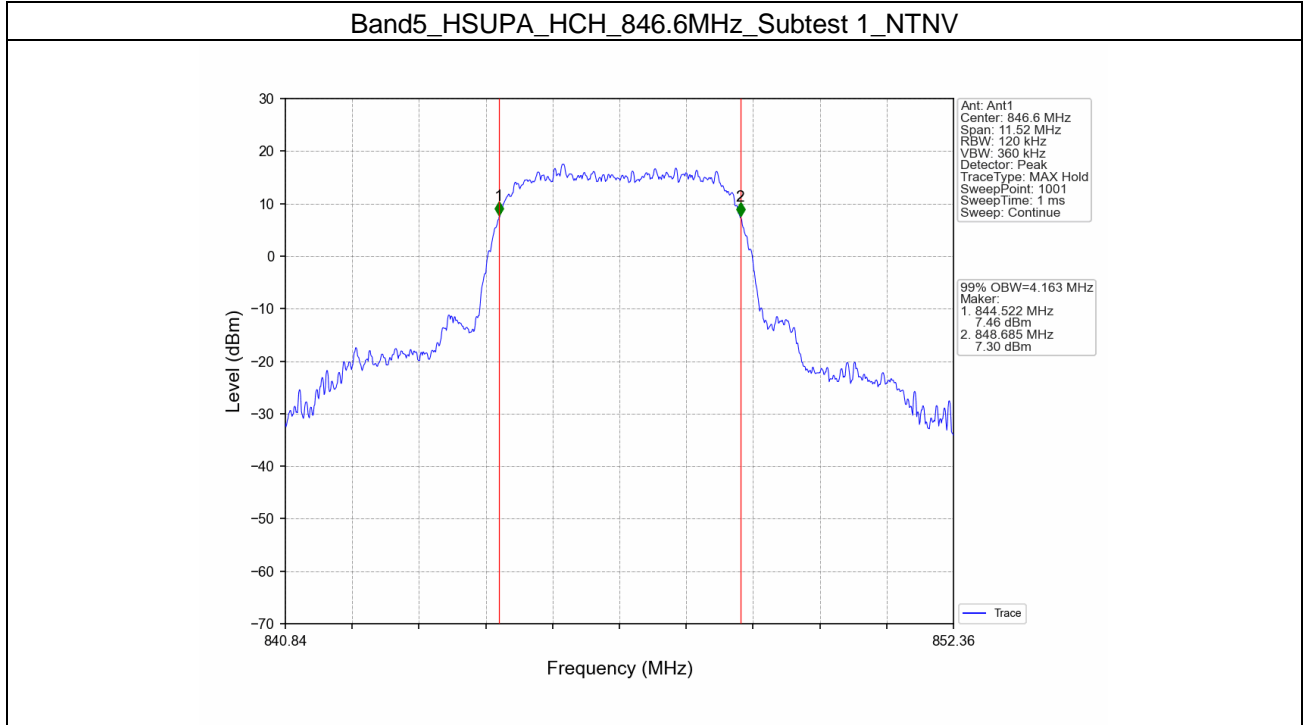
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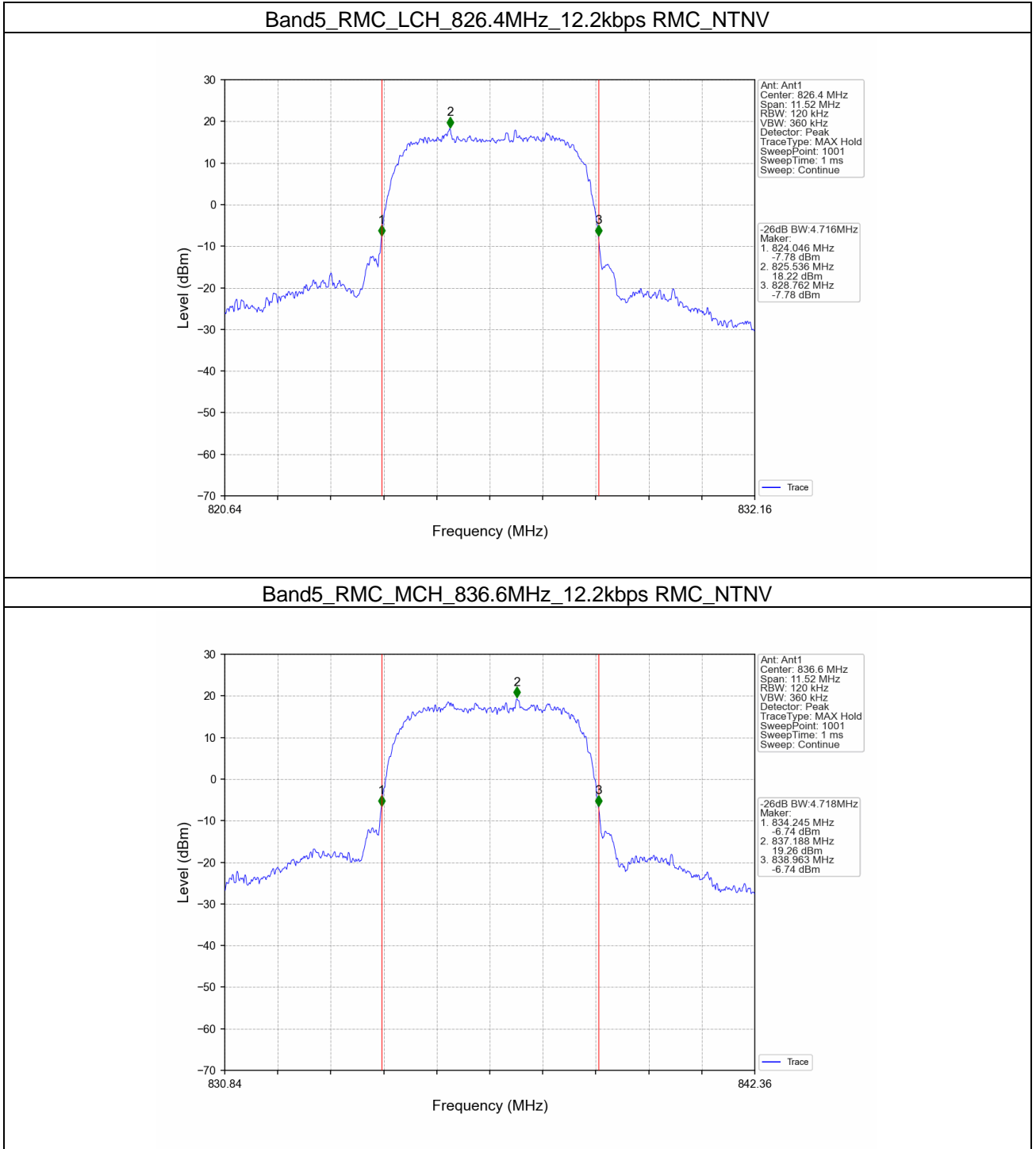
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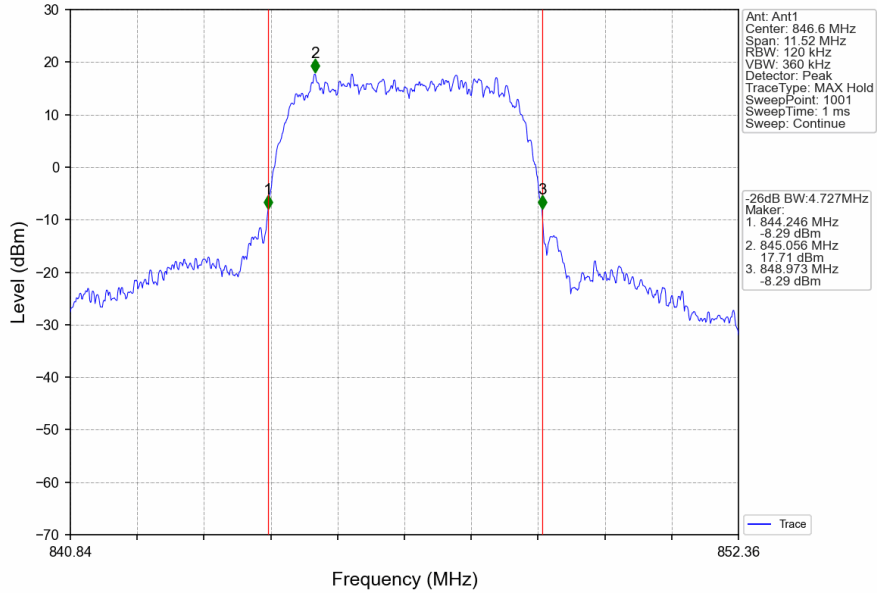


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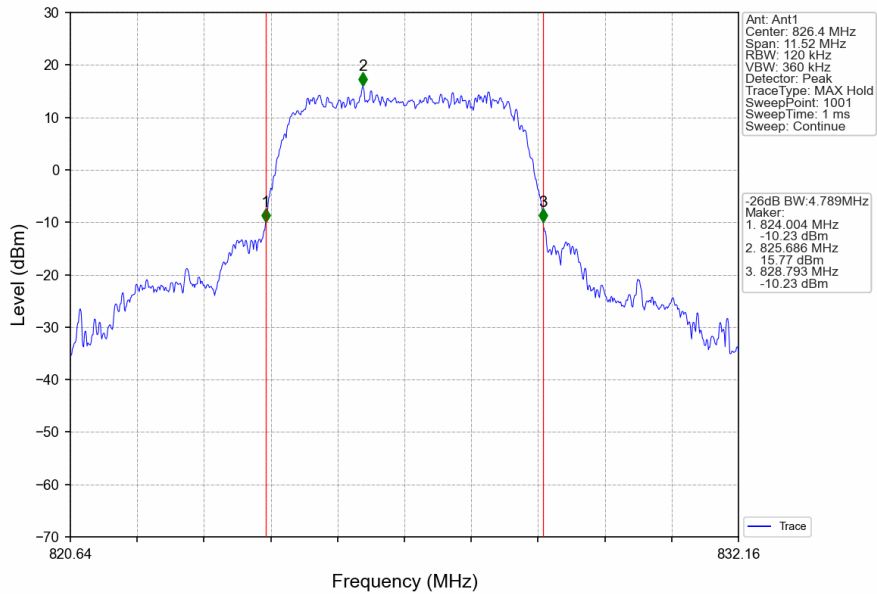


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Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV

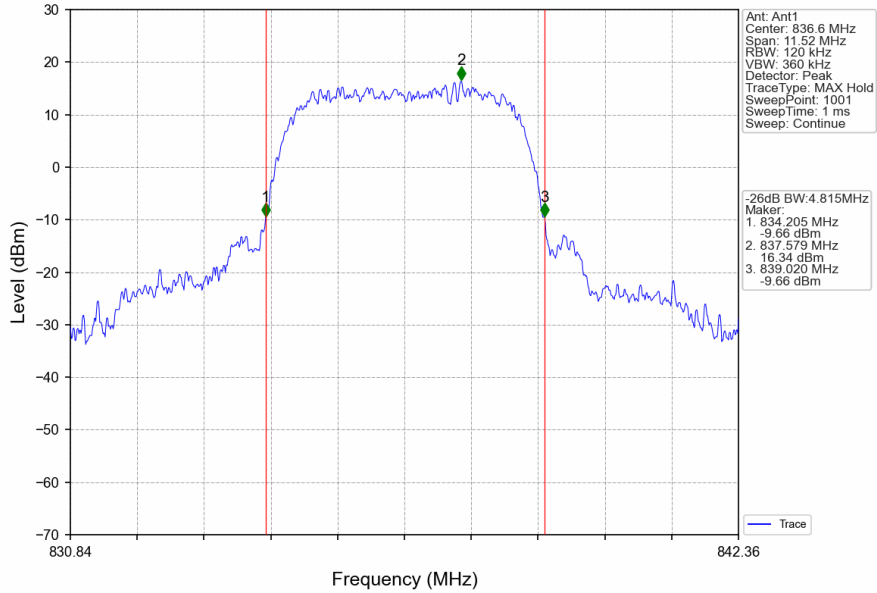


Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

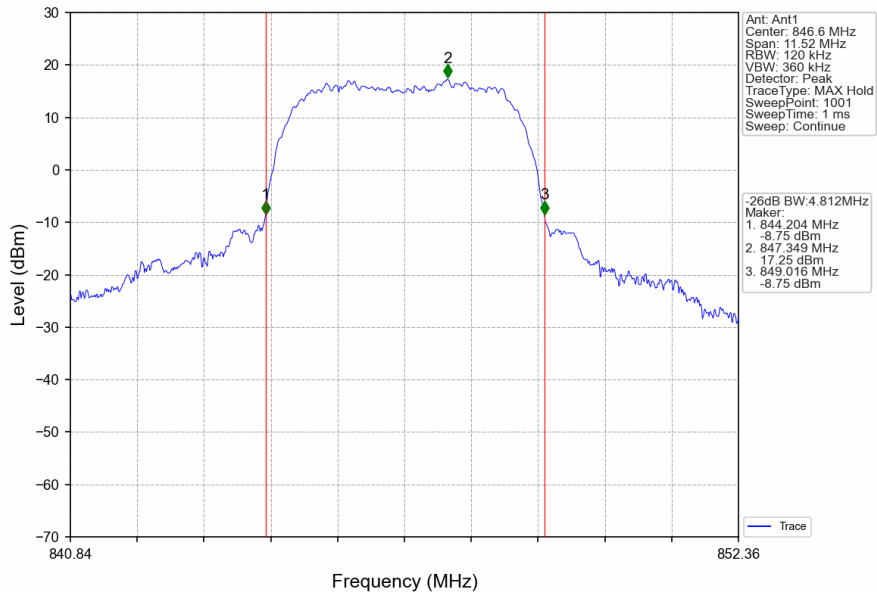


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Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV

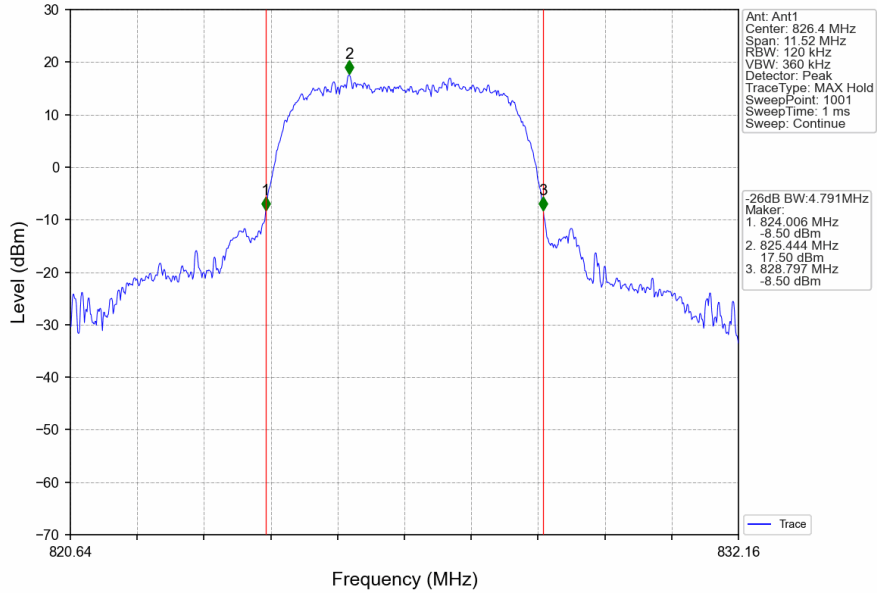


Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

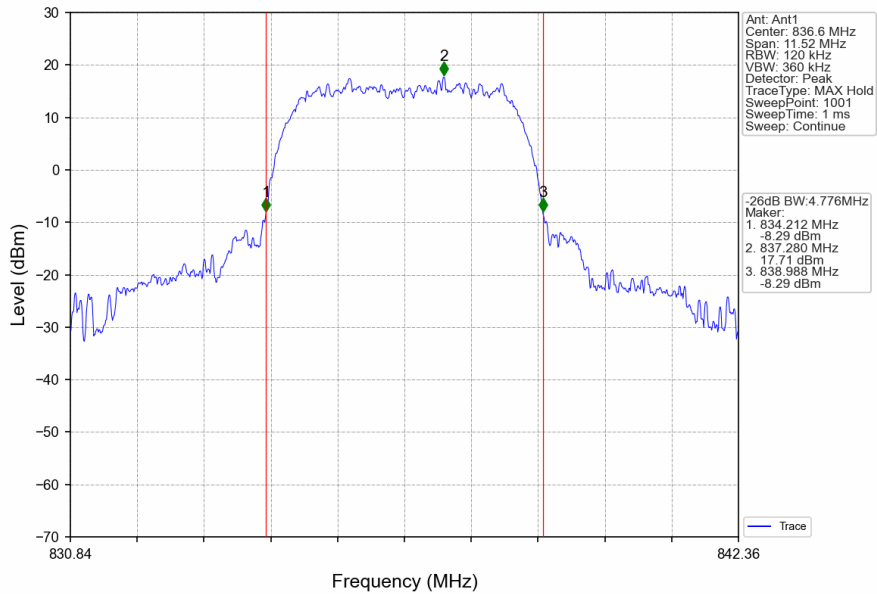


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Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



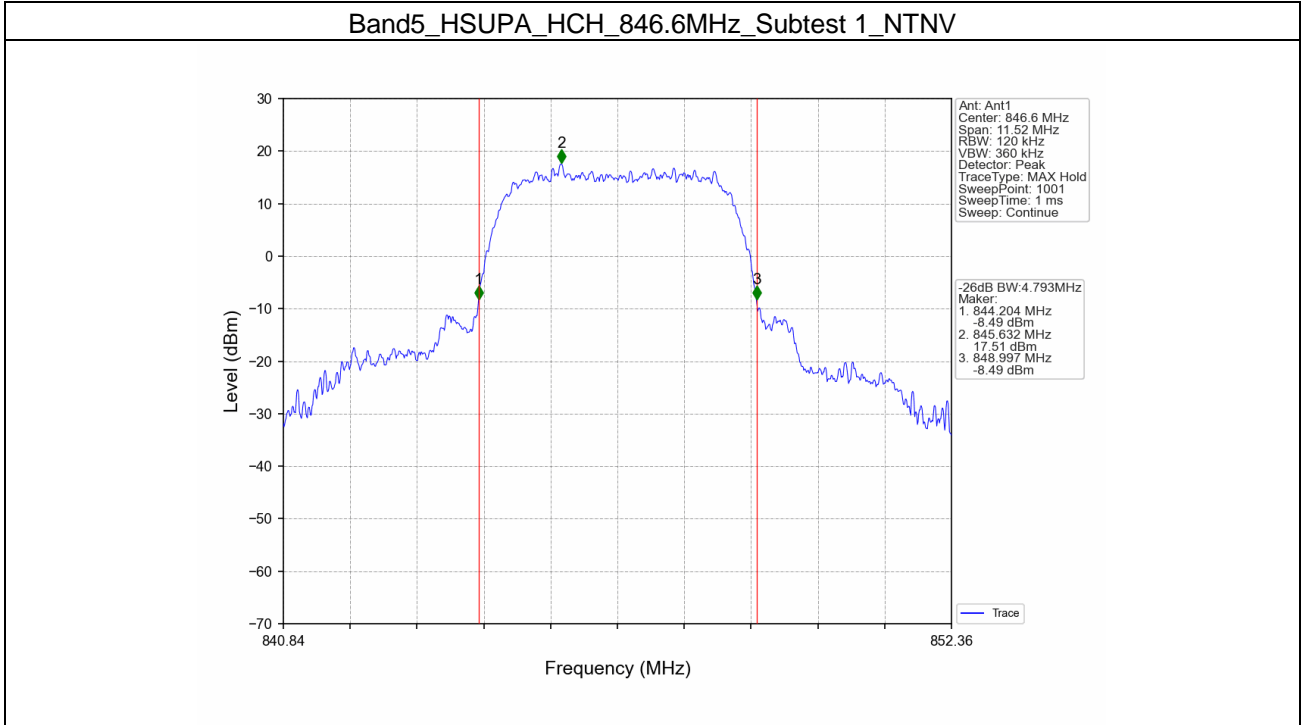
Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



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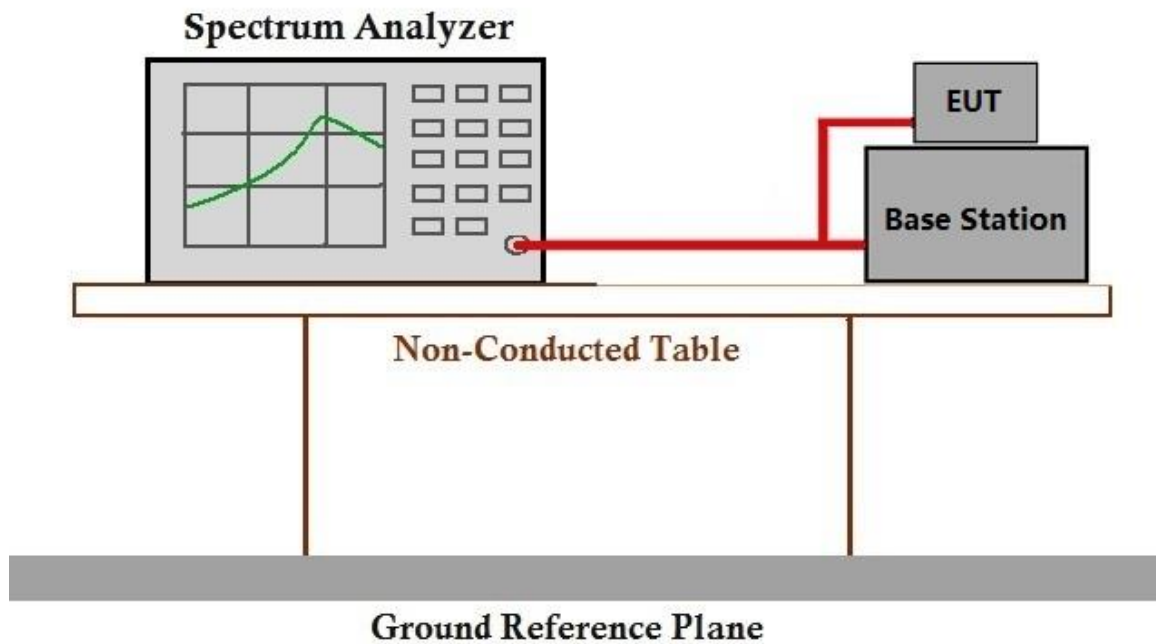
6.4 Band Edge Compliance

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01
 Limit: ≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.

6.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
 Test mode: 30: TX mode_Keep the EUT in transmitting mode

6.4.2 Test Setup Diagram

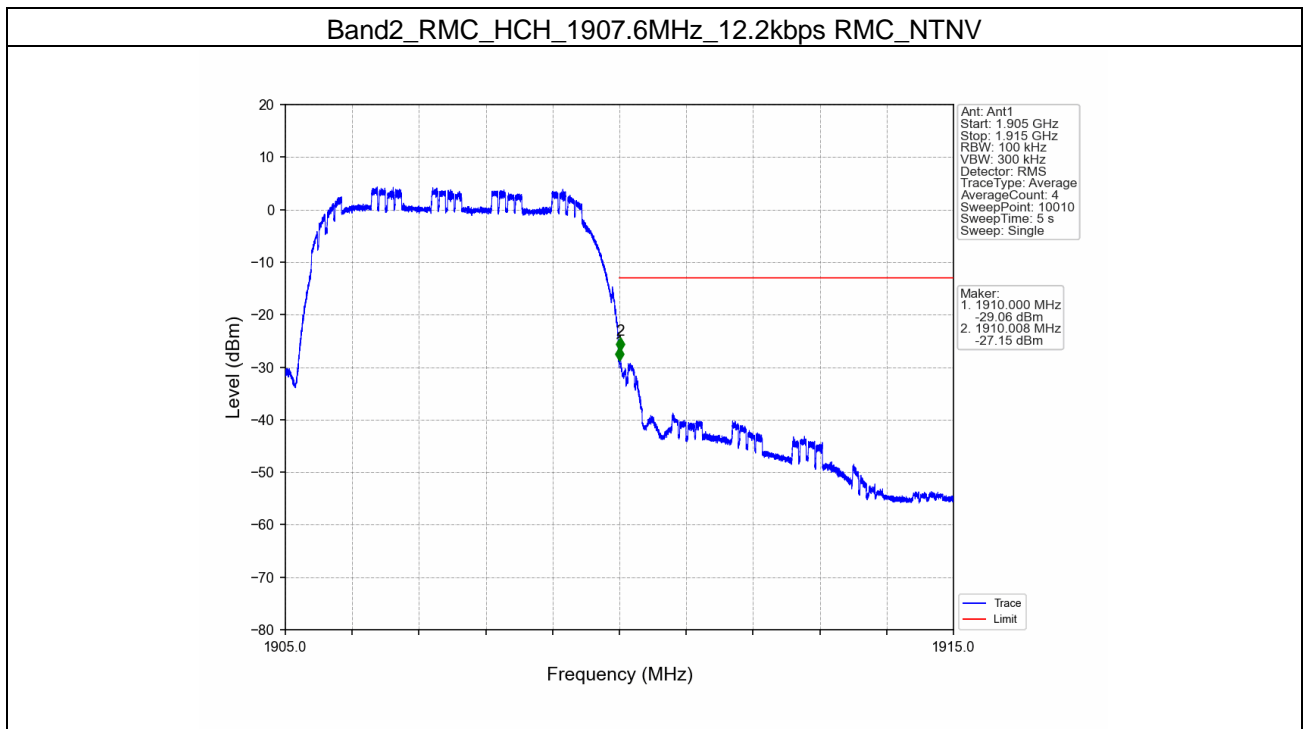
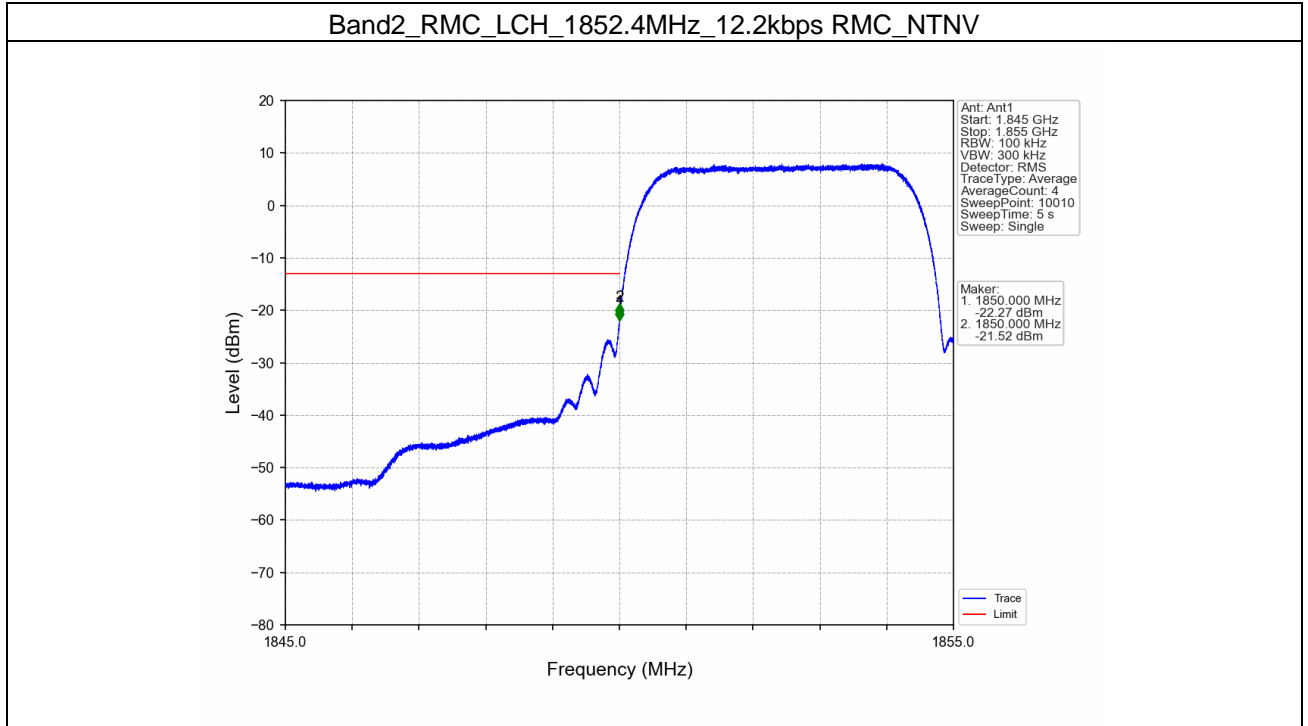


6.4.3 Measurement Data



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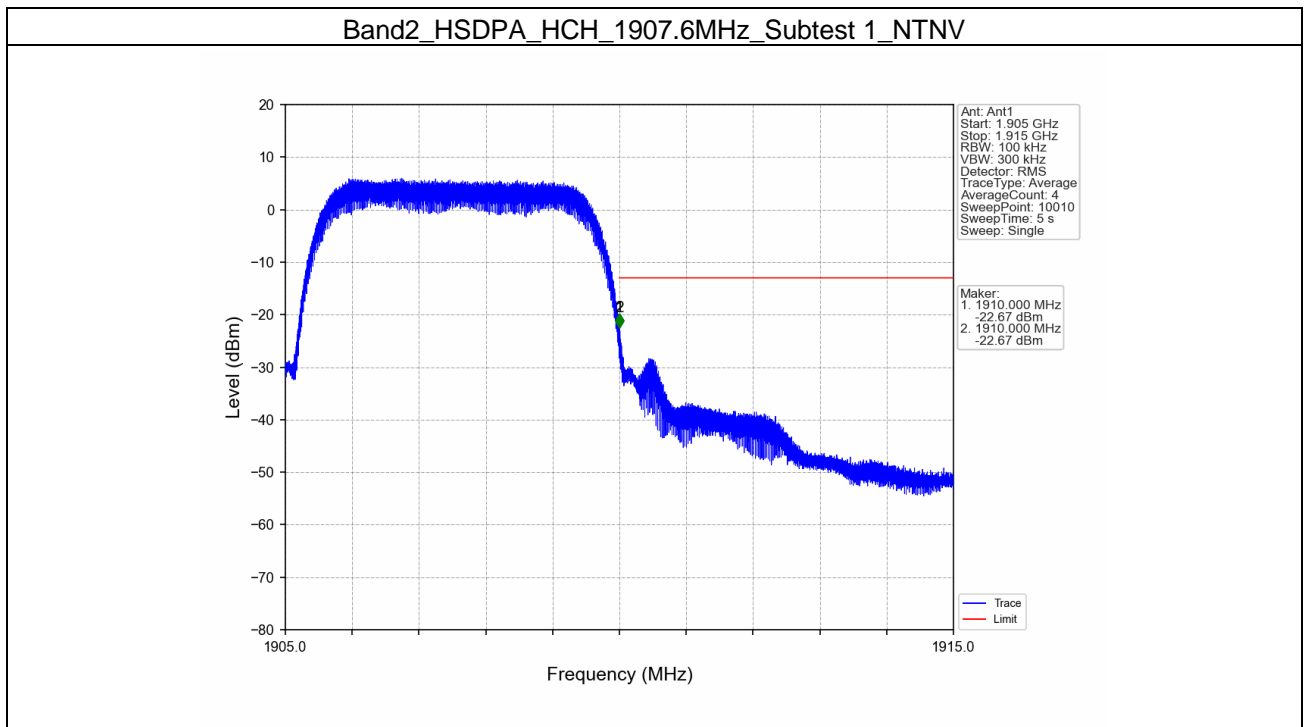
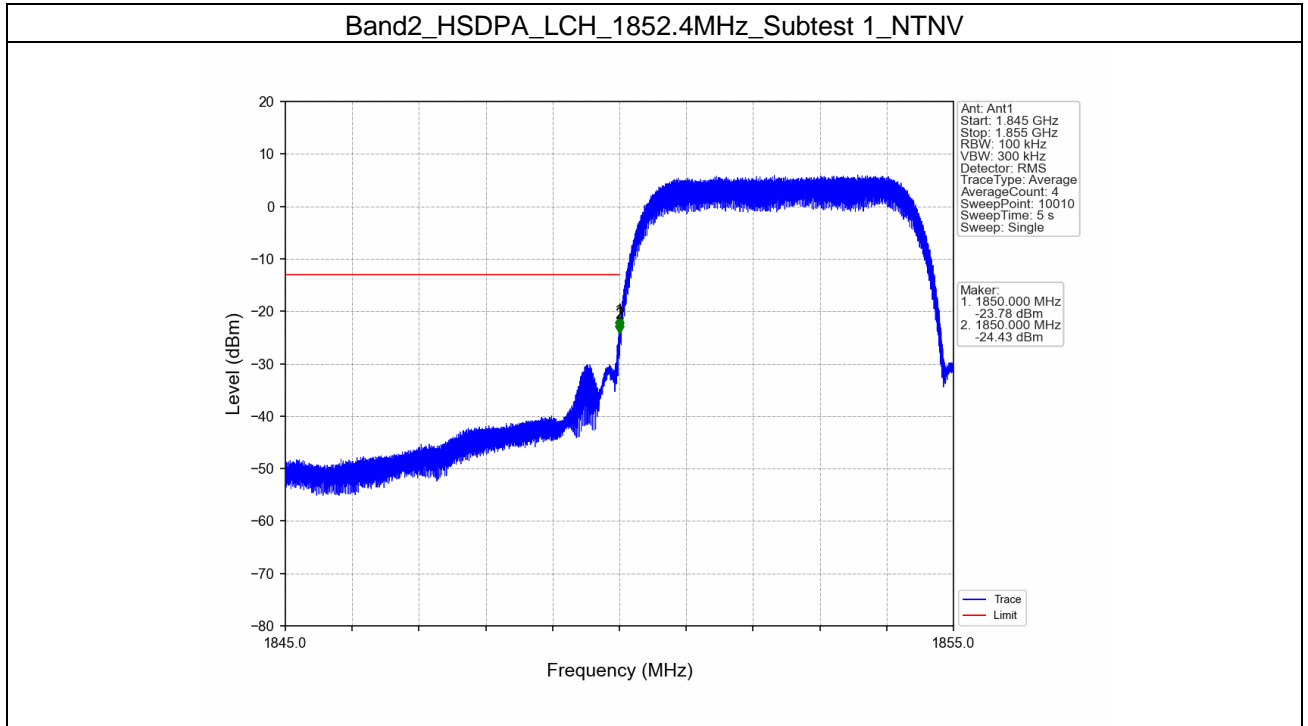
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