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ACCREDITED Test Lab Cert 2764.01	Test report No: NIE: 02590RCB.001A1
Test report Test and Certification for C	itizana
Broadband Radio Service (
Identification of item tested	CPE9000-PRO-1D-3X
Trademark	Telrad
Model and /or type reference	WLTMS-110_B48
Other identification of the product	FCC ID: ARA-CPE9000PRO3X HW version: v01 SW version: 01.01.02.151.01
Features	CPE-CBSD Category: A CPE-CBSD with Domain Proxy TD LTE Category 6 UE, 3GPP Release 10
Manufacturer	Telrad Networks Ltd
	1 Bat Sheva Street, P.O.B. 6118, Lod, Israel 711600
Test method requested, standard	940660 D02 CPE-CBSD Handshake Procedures v01 WINNF-TS-0122
Approved by (name / position & signature)	Gonzalo Casado (Lab Manager)
Date of issue	10/31/2019
Report template No	FDT08_22



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WINNF-TS-0122



Competences and guarantees

DEKRA Certification Inc. is a testing laboratory competent to carry out the tests described in this report.

DEKRA Certification Inc. is a testing laboratory accredited by A2LA (The American Association for Laboratory Accreditation) to perform the test indicated in the Certificate 2764.01.

DEKRA Certification Inc. is a CBSD testing laboratory approved by WinnForum.

In order to assure the traceability to other national and international laboratories, DEKRA Certification has a calibration and maintenance program for its measurement equipment.

DEKRA Certification guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Certification at the time of performance of the test.

DEKRA Certification is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

- 1. This report is only referred to the item that has undergone the test.
- 2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
- 3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA Certification.
- 4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Certification and the Accreditation Bodies.



Abbreviations

Abbreviation	Meaning
CBRS	Citizens Broadband Radio Services
CBSD	Citizens Broadband Radio Service Device
DP	Domain Proxy
DUT	Device Under Test
SAS	Spectrum Access System
UUT	Unit Under Test
CPI	Certified Professional Installer
N/A	Not Applicable
SA	Spectrum Analyzer

Uncertainty

Uncertainty (factor k=2) was calculated according to the DEKRA Certification internal document PODT000.

Data provided by the client

DEKRA declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Usage of samples

Samples undergoing test have been selected by: the client

Sample M/01 is composed of the following elements:

Control Nº	Description	Model	Serial N°	Date of reception
2590.001	CPE-CBSD	WLTMS-110_B48	GMK171204000024	5-Aug-19
2590.002	CPE-CBSD	WLTMS-110_B48	GMK171204000043	5-Aug-19

1. Sample M/01 has undergone the test(s) specified in subclause "Test method requested".

Supported Features

Condition	Feature Description	Supported
DP	CBSD with Domain Proxy	Y
СРЕ	CBSD is CPE-CBSD device	Y

Identification of the client

Same as manufacturer

Report No: NIE02590RCB.001A1



Testing period and place

Test Location	DEKRA Certification Inc
	405 Glenn Drive, Suite 12, Sterling, Virginia, USA, 20164
Date (start)	2019-Aug-05
Date (finish)	2019-Oct-30

Document history

Report number	Date	Description
02590RCB.001	2019-Sept-17	First release
02590RCB.001A1	2019-Oct-31	Second release(Modifications performed are described in the subclause "Modifications to the reference test report")

Modifications to the reference test report

It was introduced the following modifications in respect to the test report number 02590RCB.001 related with the same samples, in the next clauses and sub-clauses:

Clauses/ Sub-Clauses	Modification	Justification
Cover	Updated report dated and report approval contact	Test Report modification
Test Results Summary	Increased number of test cases	New test performed
Appendix A	Added KDB.CPE.7 test result	New test performed
Appendix C	Modified test steps for CPE.KDB.4 and added test steps for CPE.KDB.7 test case	New test performed
Appendix D	Added Signal Analyzer screenshots and results table for test case CPE.KDB.4	Requested by TCB

Remarks and comments

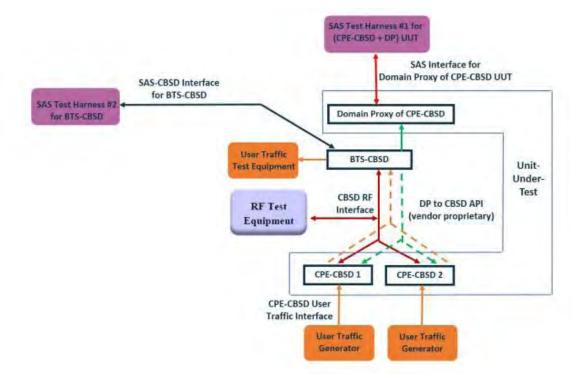
Testing performed by Gonzalo Casado

List of equipment used during the test

Test Equipment				
Description	Model	Control Number	SW Version	Serial Number
Signal Analyzer	MXA N9020A	0382	A.04.26	R9-L2D1V
Test SAS Harness	N/A	N/A	Test Harness:1.0.3	N/A
Compliant CBSD	CMP.XT-BS-	-	7.0	95032353 &
_	3.4.3.7			LKT-
				COMPACT3X



Test Setup Diagram



Note: Only one CPE-CBSD unit used

Testing verdicts

Not applicable :	N/A
Pass :	Р
Fail :	F
Not measured :	N/M

Test Results Summary

Test Cases Verdicts	Number of Test Cases
Not applicable :	0
Pass :	6
Fail :	0
Not measured :	0
Total Number of Test Cases	6



Appendix A: Test results

Test Case Name	Description	Verdict	Date	Sample
WINNF.FT.D.REG.6	Domain Proxy Single-Step registration for CBSD with CPI signed data	Р	9-Aug-19	M/01
CPE.KDB.1	CPE Handshake transmissions are used only for communicating to the SAS for registration and authorization of the device	Р	7-Aug-19	M/01
CPE.KDB.3	CPE Handshake transmissions are on a channel used by or indicated by the BTS-CBSD after receiving an authorization signal from the BTS-CBSD	Р	7-Aug-19	M/01
CPE.KDB.4	CPE Handshake transmissions are limited in duration and duty cycle to the minimum time necessary to get a grant from the SAS; this time should not exceed 1 second within any 10-second period, 10seconds within any 300-second period, or 20 seconds within any 3600-second period	Р	30-Oct-19	M/01
CPE.KDB.6	In the event the CPE-CBSD needs to reconnect to a SAS or renew its connection for registration and (re)authorization purposes, the device can use the same or a shortened protocol to reestablish connection.	Р	9-Aug-19	M/01
CPE.KDB.7	Verify that the CPE-CBSD register with SAS even with transmit power level below 23dBm EIRP	Р	30-Oct-19	M/01

Notes:

- Signal Analyzer Screenshots for test cases CPE.KDB.3, CPE.KDB.4 and CPE.KDB.7 included in appendix D
- Test cases steps described in appendix C

Appendix B: Photographs



Figure B1. Top View of DUT

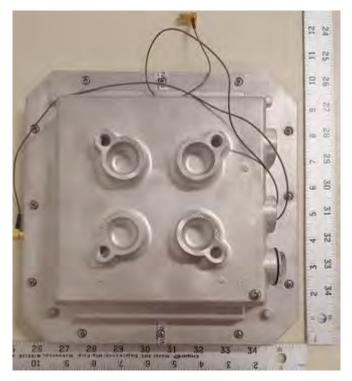


Figure B2. DUT rear view



Appendix C: Test Cases Details

1) [WINNF.FT.D.REG.6] Domain Proxy Single-Step registration for CBSD with CPI signed data This test is mandatory for DP with CBSDs which report all Required and REG-Conditional parameters in the Registration request to the SAS using CPI signed data. This test validates that each of the required and REG-Conditional parameters appear within the registration request message. This test case applies to Domain Proxy supervising two CBSDs.

All Category B devices, and Category A devices not able to determine its own location require installation by a CPI. This test is for devices where the CPI enters data into the CBSD and this information along with the CPI signature are sent in the request message. Excluded from this test are devices which require the CPI to enter the information into a SAS interface. These devices would follow the multiple step registration test [WINNF.FT.D.REG.2].

#	Test Execution Steps	Res	Results	
1	 Ensure the following conditions are met for test entry: UUT has successfully completed SAS Discovery and Authentication with SAS Test Harness UUT is in the Unregistered state All of the required and REG-Conditional parameters shall be configured, and CPI signature provided 			

2) CPE.KDB.1: CPE Handshake transmissions are used only for communicating to the SAS for registration and authorization of the device

Test C	ase applic	able only t	to CPE-CBSD
--------	------------	-------------	-------------

#	Test Execution Steps
1	Connect a laptop to DUT and start a ping to an equipment connected behind CBSD
2	Verify that Laptop doesn't have ping connectivity to the machine targeted in step #1
3	Start test WINNF-0122 WINNF.FT.C.HBT.10
4	Verify that Laptop has ping connectivity to the machine targeted in step #1 once it has been authorized by the SAS and with a valid Grant
5	Wait until execution of test WINNF.FT.C.HBT.10 is completed
6	Verify that Laptop doesn't have ping connectivity to the machine targeted in step #1

3) CPE.KDB.3: CPE Handshake transmissions are on a channel used by or indicated by the BTS-CBSD after receiving an authorization signal from the BTS-CBSD

Test Case applicable only to CPE-CBSD

#	Test Execution Steps
1	Note the channel and channel BW used by the CBSD-CBSD
2	Power cycle DUT and verify that the CPE doesn't have a valid grant

3 Verify using a SA that the CPE is using the channel and channel BW used by the CBSD-CBSD

4) CPE.KDB.4: CPE Handshake transmissions are limited in duration and duty cycle to the minimum time necessary to get a grant from the SAS; this time should not exceed 1 second within any 10-second period, 10seconds within any 300-second period, or 20 seconds within any 3600-second period

Test Case applicable only to CPE-CBSD

#	Test Execution Steps
1	Start test WINNF-0122 WINNF.FT.C.GRA.1
2	Keep CPE-CBSD in registered state with SAS, but no grant.
3	Measure CPE-CBSD transmission durations
4	Verify that CPE-CBDS transmission duration doesn't exceed 1 second within 10seconds, 10 seconds within 300seconds and 20seconds within 3600seconds

5) CPE.KDB.6: In the event the CPE-CBSD needs to reconnect to a SAS or renew its connection for registration and (re)authorization purposes, the device can use the same or a shortened protocol to reestablish connection.

Test Case applicable only to CPE-CBSD

#	Test Execution Steps
1	Configure SA to perform a new sweep of 1ms only when it detects signal from the DUT
2	Start test WINNF-0122 WINNF.FT.C.HBT.10
3	Wait until execution of test WINNF.FT.C.HBT.10 is completed
4	Start a timer once the first transmission from DUT is detected and start counting the number of sweeps performed. This is, count each transmission from DUT detected
5	Wait ten seconds
6	Verify that the number of data transmissions from DUT is less than 1000 (Totally one second of data transmissions)
7	Repeat steps #1 through 5 verifying that the DUT sends less than 10000 data transmissions of 1ms in 300seconds and less than 20000 data transmissions of 1m in 3600secods

6) CPE.KDB.7: Verify that the CPE-CBSD register with SAS even with transmit power level below 23dBm EIRP

Test Case applicable only to CPE-CBSD

#	Test Execution Steps
1	Adjust RF path attenuation between CPE-CBSD and CBSD so that the CPE-CBSD transmit power is below 23dBm EIRP
2	Start test WINNF-0122 WINNF.FT.C.HBT.10
3	Once CPE-CBSD is registered with SAS, verify transmit power is below 23dBm



Appendix D: Spectrum Analyzer Screenshots

1. CPE.KDB.3

x 50 Ω Avg/Hold Numbe	r 1000	A	Center F Trig: RF		00000 GHz Avg Hold:	ALIGN AUTO	Radio St			eas Setup
	.00 dBm	#IFGain:Low	#Atten: 1	0 dB			Radio De	evice: BTS	Avg <u>On</u>	g/Hold Num 1000 Off
-10.0 -20.0 -30.0	L.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				^			<u>Exp</u>	Avg Mode Repeat
-40.0 -50.0			·····			MMW /1				Integ BW 10.000 MHz
-70.0							₩	m		
Center 3.685 GHz #Res BW 100 kHz			VB	W 1 MH	2			an 15 MHz /eep 1 ms		
Channel Pow	ver			Powe	r Spectr	al Dens	ity			hNoise Opt Fast Tuning ► <u>Man</u>
-10.10	dBm	/ 10 MHz			-80.10	dBm	/Hz			More 1 of 2

Capture showing DUT using 10MHz Channel Bandwidth at 3685MHz frequency.



2. CPE.KDB.4: Results for CPE-CBSD transmission duty cycle without grant

Time Period	Time Limit	DUT Tx Duration	Result	Measurement time	Sweep	Sweep
(s)	(s)	Measured (s)		resolution	time	points
10	1	0.2	PASS	1ms	10s	10000
300	10	3.74	PASS	7.5ms	300s	40001
3600	20	9.84	PASS	1ms	40s	40000

Note: The 3600-period test was measured by doing 90 consecutive automatic sweeps of 40seconds. The value reported is the aggregated time of all the sweeps where signal was detected by the signal analyzer

2.1. 1 seconds within 10 second period

💴 Agilent Spectrum Analyzer - Swept SA				
₩ RL 50 Ω Center Freq 3.685000000		NSE:INT AL Avg Type: L	IGN AUTO 11:36:39 AMOct 28, 2019 .og-Pwr TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 0.00 dBm	PNO: Fast +++ Trig: RF E IFGain:Low #Atten: 10	Burst Avg Hold: 1/		Auto Tune
				Center Freq 3.685000000 GHz
-20.0				Start Freq 3.685000000 GHz
-40.0 ***********************************				Stop Freq 3.685000000 GHz
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-80.0				Freq Offset 0 Hz
Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	St	Span 0 Hz weep 10.00 s (10000 pts)	
<mark>™sg</mark> ᢤFile <10_test28102019_			STATUS	



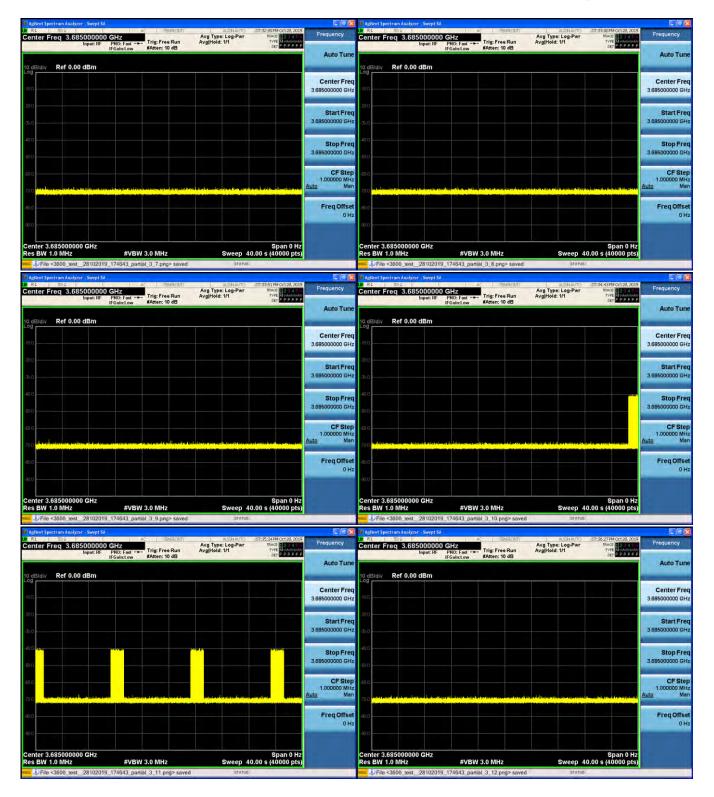
2.2. 10 seconds within 300 second period

🎾 Agilent Spe	ctrum Analyz	er - Swept SA								- 7
(XIRL	50 Ω	500000		AC SEI	NSE:INT		ALIGNAUTO : Log-Pwr		1 Oct 28, 2019	Frequency
Center F		Input: RF	GHZ PNO: Fast ↔ IFGain:Low	. Trig: RF E #Atten: 10		Avg Hold:		TYPE DE1	123450 M wwww PPPPPP	Auto Tune
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-10.0										3.685000000 GHz
-30.0										Start Freq 3.685000000 GHz
-40.0										Stop Freq
-50.0										3.685000000 GHz
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-80.0										Freq Offset 0 Hz
-90.0										0 12
Center 3. Res BW 1		0 GHz	#VBW	3.0 MHz			Sweep :	S 300.0 s (40	oan 0 Hz 1001 pts)	
мsg 🗼 File ·	<300_test	_28102019_	123856_full_2	_1.png> sa	ved		STATUS	3		

2.3. 20 seconds within 3600 second period

Note: The 3600-period test was measured by doing 90 consecutive automatic sweeps of 40seconds. The value reported is the aggregated time of all the sweeps where signal was detected by the signal analyzer





a Agilent Spectrum Analyzer - Swept SA ■ RL 53 Q AC SEVERINT	ALIGNALITO (07:37:19 PM Oct 28, 2019		J# Agilent Spectrum Analyzer - Swept SA	SENSERINT	ALIGNALITO	07:38:10 PM Oct 28, 2019	
Center Freq 3.685000000 GHz Input: RF PN0: Fast Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TYPE MUMMUM	Frequency		Trig: Free Run #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE 2 3 4 5 G TYPE MUMUMUM DET P P P P P	Frequency
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enter Fred 3 685000000 GHz	Avg Type: Log-Pwr	TRACE	Frequency	Center Freq 3.685000000 GHz Input: RF PN0: Fa	Trig: Free Run #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE 123450 TYPE MANAGEMENT DET P P P P P P
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0.0			3.685000000 GHz	-30.0			3.685000000 GH
0.0			Stop Freq	-40.0			Stop Fre
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io gBidi/ Ref 0.00 dBm	Auto Tune
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Agilent Spectrum Analyzer - Swept SA RL 50.9 AC	SENSERIMTI	ALTENALITO	(07:52:42PM Oct 28, 2019		Agilent Spectrum Analyzer - Swept SA RL 50 Q AC SEVEN	ALIGNALITO (07:53:33PM Oct 28, 201	9
Center Freq 3.685000000 GHz Input: RF PN0: Fast IFGain:Low	A Trig: Free Run A #Atten: 10 dB	vg Type: Log-Pwr /g Hold: 1/1	TRACE	Frequency	Center Freq 3.685000000 GHz Input: RF PNO: Fast +++ Trig: Free R IFGain:Low #Atten: 10 d	Avg Type: Log-Pwr TRACE 234 un Avg[Hold: 1/1 TYPE Mission B Det PPPP	Frequency
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20,0				Start Freq	-20.0		Start Free
-30.0				3.685000000 GHz	-30.0		3.685000000 GH
-40.0				Stop Freq	-40.0		Stop Free
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File <3600_test_28102019_174643_partial	_3_31.png> saved	STATUS			File <3600_test_28102019_174643_partial_3_32.png	saved STATUS	
Rglient Spectrum Analyzer - Swept SA RL 53 R AC Center Freq 3.685000000 GHz	SENSERINTI	vg Type: Log-Pwr	07:54:24 PM Oct 28, 2019 TRACE	Frequency	RL 90 R Action Spectrum Analyzer - Swept SA RL 90 R AC SEME Center Freq 3.685000000 GHz	ALIGNALITO (07:55:16PM Oct 28, 201 Avg Type: Log-Pwr TRACE	
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Agilent Spectrum Analyzer - Swept SA					Agilent Spectrum Analyzer - Swept SA		
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00	- Million		at we de	-	-40.0		
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tes BW 1.0 MHz #VBW 3	3 0 MHz	Sween 40	00 s (40000 ptc)		Res BW 1.0 MHz #VBW 3.0 MHz		

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	Auto Tune
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Agilent Spestrum Analyzer - Swept SA 🔹 🚺 Agilent Spestrum Analyzer - Swept SA	
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i Aglient Spectrum Analyzer - Swept SA	SEPARETIVITI ALCIONALITO (DEC02:06 PM Oct 28, 2019
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	IHz Span 0 Hz 1Hz Sweep 40.00 s (40000 pts)

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Center Freq 3.685000000 GHz Input: RF PNO: Fast ++- IFGain:Low	Trig: Free Run #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE	requency	Center Freq 3.685000000 GHz Input RF PN0: Fast Trig: Free Run Avg Hold: 1/1 Trig: Pree Run Avg Hold: 1/1 Extended by Page Page Page Page Page Page Page Page	requency
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G File <3600_test28102019_174643_partia		STATUS			UFile <3600_test_28102019_174643_partial_3_44.png> saved status	-
Agilent Spectrum Analyzer - Swept SA RL 53 0 PC					IF Agilent Spectrum Analyzer - Swept SA	
enter Freg 3.685000000 GHz	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 1/1	108:04:40 PM Oct 28, 2019 TRACE 2 3 4 5 0 TYPE MINIMUM	Frequency	07 RL 900 AC 19948107 08653314400128,2019 Center Freq 3.6855000000 CHz Insut BE PN0:East → Trig: Free Run Avg Type: Log-Pwr Trikt BErger H	Frequency
Input: RF PNO: Fast ++- IFGain:Low	#Atten: 10 dB		DET P P P P P P	Auto Tune	Input: RF PRO: Fast Trg: Freekun Avginoid: 1/1 Cer PPPPPP IFGain:Low #Atten: 10 dB Cer PPPPPP	Auto Tun
dB/div Ref 0.00 dBm					10 dB/div Ref 0.00 dBm	
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Agilent Spectrum Analyzer - Swept SA					Agilent Spectrum Analyzer - Swept SA	EB
RL 500 # enter Freg 3.685000000 GHz	C I SENGERINTI	Avg Type: Log-Pwr	08:06:22 PM Oct 28, 2019 TRACE	Frequency	00 RL 59.0 AC SENSED ALIGNALITO DEGUZIAPRIOCI28,2019 Center Freq 3,685000000 GHz Avg Type: Log-Pwr TRACE BREATST	Frequency
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dB/div Ref 0.00 dBm				Auto Tune	10 dB/div - Ref 0.00 dBm	Auto Tun
9				Center Freq		Center Fre
ıù				3.685000000 GHz	-10.0	3.685000000 GH
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enter 3.685000000 GHz es BW 1.0 MHz #VBW File <3600_test_28102019_174643_partia		Sweep 40	.00 S (40000 pts)		Kes bw 10 km2 #VBW 30 km2 Sweep 40.00 s (40000 prs) Mag J/File <3600_test_28102019_174643_partial_3_48.png> saved stratus	

RL 50 2 Point Spectrum Analyzer - Swept SA RL 50 2 PC Center Freq 3.685000000 GHz	SENSE:INTI ALIGNAL Avg Type: Log-Pu	TO 08:08:05 PM Oct 28, 2019 Wr 18ACE 23, 3019 TYPE MINWARM	Frequency	12401ert Spertrum Analyzer, Swept SA. E SSE SSE E SSE SSE E SSE Frequency Frequency Frequency Frequency Frequency SSE
Input: RF PNO: Fast + 1 IFGain:Low	'rig: Free Run Avg Hold: 1/1 Atten: 10 dB	DET PPPPP	Auto Tune	Input RF PHO: Fast
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tes BW 1.0 MHz #VBW 3.		o 40.00 s (40000 pts)		Res BW 1.0 MHz #VBW 3.0 MHz Sweep 40.00 s (40000 pts) Image: JFile <3600_test_28102019_174643_partial_3_50.png> saved 374108
Agilent Spectrum Analyzer - Swept SA	a suburger and and		E @ X	
RL 500 AC		TO (08:09:47PM Oct 28, 2019 Wr TRACE 2.3.4 5.0	Frequency	AL SD AC SENSEINT ALENALTO (08:10:41PM Oct 28:2019
Input: RF PNO: Fast ++- 1 IFGain:Low	rig: Free Run Avg Hold: 1/1 Atten: 10 dB	TYPE Medanosta	Auto Tune	Input: RF PNO: Fast ++ Ing. ree Aut Avginut. In
a dB/div Ref 0.00 dBm			Auto Fune	10 dB/div Ref 0.00 dBm
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Agilent Spectrum Analyzer - Swept SA	3_51.png> saved sta	105		and grine Societat_Zeitzettis_(zeitzettis_(zeitzettis_)szeping>saved Sitrios
RL 50.0 AC	SENSERINTI ALIGNALI Avg Type: Log-Pu	TO (BE:11:32 PM Oct 28, 2019 WF TRACE 23.2 ST	Frequency	UR RL 998 AC SEMERIVIT AUGUARTO (08:12:23PM Oct28, 2019 Center Freq 3,685000000 GHz Avg Type: Log-Pwr TRAC HEAK Sen
Input RE PNO: Fast	rig: Free Run Avg Hold: 1/1 Atten: 10 dB	TYPE MINAWANANA	Auto Tune	Input RF PNC: Feet ++ Trig: Free Run Avgitoid: 1/1 Trie PPDP PP P
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og			Center Freq	Log
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toglent Spectrum Analyzer - Swept SA RL 50 0 A A A A A A A A A A A A A A A A A	Ave Type: Log-Pur	108:13:14 PM Oct 28, 2019 TRACE 23:4 5 T TYPE MINIMUM	Frequency	OF RL S02 Ar Statement Allowanto Ostatemento Statemento Frequency Center Freq 3.6850000000 GHz Trig: Free Run Avglitold: 1/1 Trig: Free Run Avglitold: 1/1 Trig: Free Run F
Input: RF PNO: Fast Ing. Free IFGain:Low #Atten: 10	dB	DET PPPPP	Auto Tune	IFGain:Low #Atten: 10 dB cer 200000
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	tely an old front down is done down by	ederallicie belanebaliste er	<u>Auto</u> Man	
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nter 3.685000000 GHz		Span 0 Hz		Center 3.685000000 GHz Span 0 Hz
s BW 1.0 MHz #VBW 3.0 MHz File <3600_test_28102019_174643_partial_3_55.png		0.00 s (40000 pts)		Res BW 1.0 MHz #VBW 3.0 MHz Sweep 40.00 s (40000 pts)
gilent Spectrum Analyzer - Swept SA RL 50 R AC SB	NGEUNTI ALIGNALITO	08:14:57 PM Oct 28, 2019		11 Agillen Spectrum Analyzer - Swept SA RL 90.0 RL 90.0 ес веневнит Алгачиито (08:15:46РМ Остав, 2019
nter Freq 3.685000000 GHz Input: RF PNO: Fast +++ IFGain:Low #Atten: 10	Avg Type: Log-Pwr Run Avg Hold: 1/1	TRACE	Frequency	Center Freq 3.685000000 GHz Avg Type: Log-Pwr Type Back 200 Frequency Avg Type: Log-Pwr Type: Log-Pwr Type Back 200 Frequency Avg Type: Log-Pwr Type: Log-Pwr Type Back 200 Frequency Avg Type: Log-Pwr Type: Log-Pwr Type Back 200 Frequency Avg Type: Log-Pwr Type: Log-Pw
IB/div Ref 0.00 dBm			Auto Tune	Auto T 10 dB/div Ref 0.00 dBm
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p				.900
nter 3.685000000 GHz s BW 1.0 MHz #VBW 3.0 MHz	Sweep 4	Span 0 Hz 0.00 s (40000 pts)		Center 3.685000000 GHz Span 0 Hz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 40.00 s (40000 pts)
File <3600_test_28102019_174643_partial_3_57.pn				USC 3/File <3600_test_28102019_174643_partial_3_58.png> saved stratus
glient Spectrum Analyzer - Swept SA RL 50 R AC SB		08:16:39 PM Oct 28, 2019	Frequency	Agilent Spectrum Analyzer - Swept SA Kon Spectrum Analyzer - Swept SA Kon Spectrum Analyzer - Swept SA Kon Spectrum Analyzer - State
nter Freq 3.685000000 GHz Input: RF PNO: Fast +++ IFGain:Low #Atten: 10	Avg Type: Log-Pwr a Run Avg Hold: 1/1) dB	TRACE	-	Input: RF PNO: Fast
B/dly Ref 0.00 dBm			Auto Tune	Auto T
			Center Freq	Center
			3.685000000 GHz	3.68500000
			Start Freq 3.685000000 GHz	
			Stop Freq 3.685000000 GHz	
			CF Step	
			1.000000 MHz	1.000000
		international south	Auto Man	
n	n i na anta i la gradativa ner na na alta ana bitana Mana anta			
			Auto Man Freq Offset 0 Hz	
			FreqOffset	

BW 1.0 MHz #VBW 3.0 MH	z Sweep 40	Span 0 Hz 0.00 s (40000 pts)	1	Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40.0	Span 0 Hz 00 s (40000 pts)	
nter 3.685000000 GHz		Span 0 Hz		Center 3.685000000 GHz			Span 0 Hz	
			0112	-90.0				U
			Freq Offset 0 Hz	-80.0				Freq Off
	and the interaction of the state		1.000000 MHz Auto Man	-70 D Markhald Providence of the second s	u . Le contrar a la contra a la construction de la construction de la construction de la construction de la const	an the second second second second second second	Aut	1.000000 r to l
			CF Step	-80,0				CFS
			Stop Freq 3.68500000 GHz	500			3	Stop F
			Start Freq 3.685000000 GHz	-20,0				Start F
			3.685000000 GHz	-10,0			3	3.685000000
B/div Ref 0.00 dBm			Center Freq	10 dB/div Ref 0.00 dBm				Center
IFGain:Low #Atten:	10 dB	DETPPPPP	Auto Tune		PNO: Fast Trig: Free Run IFGain:Low #Atten: 10 dB		DETPPPPP	Auto 1
500 AC	Avg Type: Log-Pwr	(08:21:48 PM Oct 28, 2019 TRACE 23:4 5 T TYPE MINAVANAN	Frequency	OF RL 50 R Center Freg 3.685000000	C SENSESINTI CHZ PNO: Fast +++	ALIGNAUTO (Avg Type: Log-Pwr Avg Hold: 1/1	TUDE MANAGEMENT	Frequenc
File <3600_test28102019_174643_partial_3_63.p			E @ 8	🕼 Agilent Spectrum Analyzer - Swept SA	I_174643_partial_3_64.png> saved			
nter 3.685000000 GHz BW 1.0 MHz #VBW 3.0 MH WEIL 2000 MHZ 2000 1200 2000		Span 0 Hz 0.00 s (40000 pts)		Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 00 s (40000 pts)	
			Freq Offset 0 Hz	-80.0				Freq O
			<u>Auto</u> Man	-79 g <mark>bela live a kin basuli</mark> si a s		in a since of this is not the since the private state of the second state of the secon	Aut	
			CF Step 1.000000 MHz	-80,0				CF
			3.686000000 GHz	50.0			3	3.68500000
			Stop Freq	-40.0				Stop
			Start Freq 3.685000000 GHz	-30.0			3	Start 3.685000000
			3.685000000 GHz	-2010			3	3.685000000
			Center Freq	Log				Center
IFGein:Low #Atten:			Auto Tune	10 dB/div Ref 0.00 dBm	IFGain:Low #Atten: 10 dB			Auto
ter Freq 3.685000000 GHz	Avg Type: Log-Pwr ee Run Avg Hold: 1/1	TRACE	Frequency	OR RL 599 Center Freq 3.685000000 Input: RF	PNO: East Ing: Free Run	Avg Type: Log-Pwr Avg Hold: 1/1	18:20:56 PM Oct 29, 2019 1840E 2 3 4 5 T TYPE MUNICIPAL P P P P P	Frequenc
File <3600_test28102019_174643_partial_3_61.p				Agilent Spectrum Analyzer - Swept SA	I_174643_partial_3_62.png> saved			
ter 3.685000000 GHz BW 1.0 MHz #VBW 3.0 MH		Span 0 Hz 0.00 s (40000 pts)		Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 00 s (40000 pts)	
				-90.0				
			Freq Offset 0 Hz	-80.0				Freq Of
	esterne en den en en den de la constitut de la	due it denskue im een de	Auto Man	-700 <mark>et las identificiens et de menus</mark>			Aut	
			CF Step 1.000000 MHz	-89.0				CF 1.000000
			Stop Freq 3.685000000 GHz	50.0			3	Stop
			3.685000000 GHz	-30.0			3	3.685000000
			Start Freq	-29.0				Start
			Center Freq 3.685000000 GHz	-10.0			3	Center 1
B/div Ref 0.00 dBm			Auto Tune	10 dB/div Ref 0.00 dBm				Auto T
		DETPPPPP		Input: RF	PNO: Fast Trig: Free Run IFGain:Low #Atten: 10 dB		DETPPPPP	

Input: RF PNO: Fast IFGain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE	Frequency Auto Tune	Center Freq 3.685000000 Input: RF	GHZ PNO: Fast ++- IFGain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1		Auto Tun
dB/dlv Ref 0.00 dBm			Auto Tune	10 dB/div Ref 0.00 dBm				Auto Tur
n			Center Freq 3.685000000 GHz	-10.0				enter Fre
u n			Start Freq 3.685000000 GHz	-30.0				Start Fre
u			Stop Freq 3.686000000 GHz	-40.0				Stop Fre
	a an a fhi in an an d a ban and d ba ad	in an fan fan in teach	CF Step 1.000000 MHz Auto Man	-80.0			Auto 1.0	CF Ste
			Freq Offset 0 Hz	-80.0			Fi	Freq Offs 0
enter 3.685000000 GHz		Span 0 Hz		Center 3.685000000 GHz			Span 0 Hz	
S BW 1.0 MHz #VBW 3.0 MHz File <3600_test_28102019_174643_partial_3_67.png> saved		10 s (40000 pts)		Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40.0	00 s (40000 pts)	
lgilent Spestrum Analyzer - Swept SA RL 50 Q AC SENSEDUT	ALIGNALITO (0	8:25:13PM Oct 28, 2019		Agilent Spectrum Analyzer - Swept SA	AC SENSEDITI	ALIGNALITO	18:26:04 PM Oct 28, 2019	
Inter Freq 3.685000000 GHz Input: RF PN0: Fast Trig: Free Run IFGain:Lew #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1		Frequency Auto Tune	inpas is	CH2 PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE 2345 C	Auto Tu
dB/div Ref 0.00 dBm			Center Freq	Log dB/div Ref 0.00 dBm				enter Fi
۵ ۰			3.685000000 GHz	-10.0			3.6850	000000
n			Start Freq 3,685000000 GHz	-30.0				Start F
0			Stop Freq 3.686000000 GHz	50.0				Stop F 000000 0
n			CF Step 1.000000 MHz <u>Auto</u> Man	-80.0 -701 -	lad and advantation of the dealers	uners des des des services des tra	Auto 1.0	CF S1 000000 N
			Freq Offset 0 Hz	-80.0			F	req Off
nter 3.685000000 GHz s BW 1.0 MHz #VBW 3.0 MHz	Sweep 40.0	Span 0 Hz 10 s (40000 pts)		Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40.0	Span 0 Hz 00 s (40000 pts)	
File <3600_test28102019_174643_partial_3_69.png> saved	STATUS				174643_partial_3_70.png> saved	STATUS		
glient Spectrum Analyzer - Swept SA RL 90 Q AC SBAGEOUTI nter Freq 3.685000000 GHz	Avg Type: Log-Pwr	18:26:55PM Oct 28, 2019	Frequency	Agilent Spectrum Analyzer - Swept SA RL 50 0 Center Freq 3.685000000	GHz	Avg Type: Log-Pwr	RE27:47PM Oct28, 2019 TRACE 23 4 5 T	equency
Input RF PRO: Fast Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Hold: 1/1	DET P P P P P P	Auto Tune	Input: RF	PNO: Fast Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Hold: 1/1	DETPPPPP	Auto Tu
			Center Freq 3.685000000 GHz	-10.0				enter F
			Start Freq 3.685000000 GHz	-30.0				Start Fi
b 0			Stop Freq 3.685000000 GHz	-40.0				Stop F
			CF Step 1.000000 MHz Auto Man	-80.0			1.0 Auto	CF S
			Freq Offset	-20.0				req Off
0								
			0 Hz	-90.0				

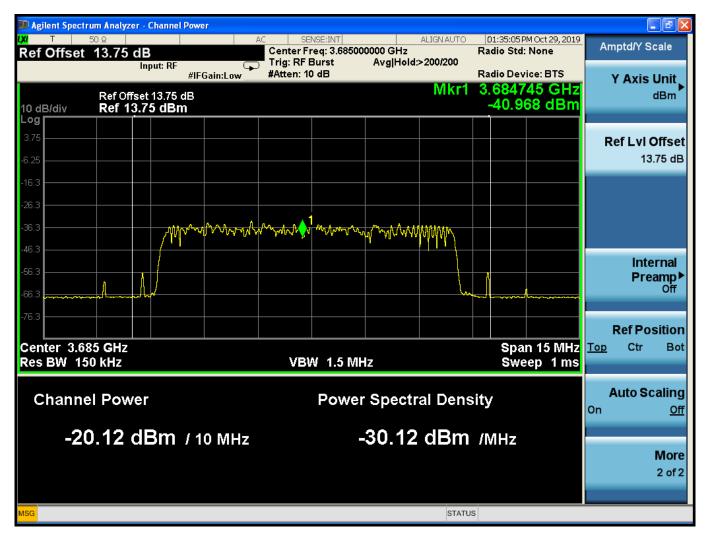
Agilent Spectrum Analyzer - Swept SA RL 50 Q	AC SEVERIT	ALIGNAUTO	(08:28:38 PM Oct 28, 2019	Frequency	M Agilent Spectrum Analyzer - Swept SA	AÇ SENGENINTI	ALIGNAUTO	38:29:29 PM Oct 28, 2019	Frequency
Center Freq 3.685000000 G Input: RF P IF	NO: Fast ++- Gain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE		Center Freq 3.685000000 GH Input: RF PNC IFGa	Trig: Free Run #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1		
a dB/div Ref 0.00 dBm				Auto Tune	10 dB/div Ref 0.00 dBm				Auto Tune
10.0				Center Freq 3.685000000 GHz	-15.0				Center Fred 3.685000000 GH:
30.0				Start Freq 3.68500000 GHz	-200				Start Free 3.685000000 GH:
10.0				Stop Freq 3,685000000 GHz	-40.0				Stop Free 3.68500000 GH
800				CF Step	-600				CF Step 1.000000 MH
	in a frant i dava i anna 2 an 16 ia		lader here is reach totale	Auto Man Freq Offset	-700 distribution in Assa distant below some starter	n saind tha ann a' an sùddin an an Risa.		A	Freq Offse
0.0				0 Hz	-90.0				OH
enter 3.685000000 GHz es BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz .00 s (40000 pts)		Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz		Span 0 Hz 00 s (40000 pts)	
File <3600_test_28102019_1	74643_partial_3_73.png> saved	STATUS			MSG JFile <3600_test_28102019_174	643_partial_3_74.png> saved	1 STATUS		E 6 8
Agilent Spectrum Analyzer - Swept SA RL 500 enter Freq 3.685000000 G	HZ AC I SENSERINTI	Avg Type: Log-Pwr	08:30:20 PM Oct 28, 2019 TRACE 23:4 5 TYPE MUMANAN	Frequency	Agilent Spectrum Analyzer - Swept SA OF RL 50 Q Center Freq 3.685000000 GH		Avg Type: Log-Pwr	18:31:12PM Oct 28, 2019 TRACE 223 4 5 T	Frequency
Input: RF P IF	NO: Fast Trig: Free Run Gain:Low #Atten: 10 dB	Avg Hold: 1/1	CET P P P P P P	Auto Tune	Input: RF PHC IFGa 10 dB/div Ref 0.00 dBm	Trig: Free Run in:Low #Atten: 10 dB	Avg Hold: 1/1	DETPPPPP	Auto Tune
				Center Freq 3.68500000 GHz					Center Free 3.685000000 GH
				Start Freq 3,68500000 GHz	-370				Start Fre 3.685000000 GH
0.0				Stop Freq	-40.0 (<mark>1943)</mark>				Stop Free
10				3.685000000 GHz CF Step	-60.0				3.685000000 GH: CF Step
n <mark>de auto la constance a constante e con</mark>	a stadio a bien do intela da tati in	a dudu daya 🔷 🛛 seta yar say	n Histoforder	1.000000 MHz <u>Auto</u> Man	-700	and design and a spin countration		A	1.000000 MH uto Ma
0.0				Freq Offset 0 Hz	-80.0				Freq Offse 0 H
enter 3.685000000 GHz les BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40	Span 0 Hz .00 s (40000 pts)		Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40.	Span 0 Hz 00 s (40000 pts)	
File <3600_test_28102019_1	74643_partial_3_75.png> saved	STATUS			MSG JFile <3600_test_28102019_174	643_partial_3_76.png> saved	i status	a farma a fa	
Agilent Spectrum Analyzer - Swept SA RL 50 Q enter Freq 3.685000000 G		ALIGNAUTO Avg Type: Log-Pwr	08:32:03 PM Oct 28, 2019 TRACE	Frequency	Hagilent Spectrum Analyzer - Swept SA Center Freq 3.685000000 GH	AC SENSERIMTI	Avg Type: Log-Pwr	38:32:54 PM Oct 29, 2019 TRACE	Frequency
Input: RF P IF	NO: Fast Trig: Free Run Gain:Low #Atten: 10 dB	Avg Hold: 1/1	TYPE MINANYANA	Auto Tune	Input: RF PMC IFGa	R: Fast Trig: Free Run in:Low #Atten: 10 dB	Avg Hold: 1/1	TRACE 234 ST TYPE MUMMANN DET PPPPP	Auto Tun
Braiv Ref 0.00 dBm				Center Freq 3.685000000 GHz	10 dB/div Ref 0.00 dBm				Center Free 3.685000000 GH
				Start Freq	-20.0				Start Fre
00				3.685000000 GHz Stop Freq	-40.0				3.685000000 GH Stop Fre
m				3,685000000 GHz	-60.0				3.685000000 GH
on independent of a latitude of a sound show	ale distant la distance and a distance in the	a dina hasalarah sa basa	lahan én karananan karinta sé	1.000000 MHz Auto Man	-700 potentino esti di terro potentendo ester	d (- k. e. Annatur Antonia Internatur Anton	na la secola da la secola da la secola da secola d	A A A A A A A A A A A A A A A A A A A	1.000000 MH: uto Mar
0.0				Freq Offset 0 Hz	-80.0				Freq Offse 0 H
enter 3.685000000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40	Span 0 Hz .00 s (40000 pts)		Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 40.	Span 0 Hz 00 s (40000 pts)	
File <3600_test_28102019_1	74643_partial_3_77.png> saved				MSG JFile <3600_test_28102019_174	643_partial_3_78.png> saved			

R Agilent Spectrum Analyzer - Swept SA	AC SENSE INT		(08:33:45 PM Oct 28, 2019	Frequency	Agilent Spectrum Ana WRL 50 D	1	AC SEMBERINTI	ALIGNALTO	08:34:37PM Oct 28, 2019	Frequency
Center Freq 3.685000000 Input: RF	PNO: Fast ++- Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TVPE M		Center Freq 3.6	18500000000 Input: RF	Fast ++- Trig: Free Run Fain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE	
a dB/div Ref 0.00 dBm				Auto Tune	10 dB/div Ref 0.	.00 dBm				Auto Tune
18,0				Center Freq 3.685000000 GHz	-10)0					Center Free 3.68500000 GHz
20,0				-	-20,0					-
Эл.0				Start Freq 3.685000000 GHz	-30.0					Start Free 3.685000000 GHz
40.0				Stop Freq	-40.0					Stop Free
500				3.685000000 GHz	60.0					3.685000000 GHz
60,0				CF Step 1.000000 MHz Auto Man	-60,0					CF Step 1.000000 MH: Auto Mar
70.0				FreqOffset	-700					Freq Offse
90.0				0 Hz	-90.0					0 H
Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz 9_174643_partial_3_79.png> saved		Span 0 Hz 0.00 s (40000 pts)		Center 3.685000 Res BW 1.0 MHz		#VBW 3.0 MHz	Sweep 4	Span 0 Hz 0.00 s (40000 pts)	
Agilent Spectrum Analyzer - Swept SA					🕼 Agilent Spectrum Ana					
Center Freq 3.68500000 Input: RF	PNO: Fast ++- IFGain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	108:35:28 PM Oct 28, 2019 TRACE	Frequency	Center Freq 3.6	Input: RF	CHZ PNO: Fast + Gain:Low #Atten: 10 dB	Avg Type: Log-Pwr Avg Hold: 1/1	108:36:19 PM Oct 28, 2019 TRACE 23, 4 5 5 TVFE MONTON FOR P P P P P	Frequency
IO dB/div Ref 0.00 dBm	In Galifictury Protection in a D			Auto Tune	10 dB/div Ref 0.		Gain:Low Whiten, is an			Auto Tune
				Center Freq						Center Free
20.0				3.685000000 GHz	.10,0					3.685000000 GH:
30.0				Start Freq 3.685000000 GHz	-30.0					Start Free 3,68500000 GH
40.0				Stop Freq	-40.0			-ND-		Stop Free
50.0				3.685000000 GHz	6000					3.685000000 GH
0.0				CF Step 1.000000 MHz	-80,0					CF Step 1.000000 MH
70 0 - Enderste de Schart e, la secteration		en film hom hom human alle alle	Number de relativité amé	<u>Auto</u> Man	-70 D de al la la calebra de la la calebra de la calebra	en e felenstonetisk	techt stelle werent blev te andere stelle stelle er	energiese standarbeiten	Alashi ani	<u>Auto</u> Mar
80.0				Freq Offset 0 Hz	-80,0					Freq Offse 0 H
90.0					-an'o					
Center 3.685000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 4	Span 0 Hz 0.00 s (40000 pts)		Center 3.685000 Res BW 1.0 MHz		#VBW 3.0 MHz	Sweep 4	Span 0 Hz 0.00 s (40000 pts)	
	9_174643_partial_3_81.png> saved	STATUS		E 6 8			174643_partial_3_82.png> sav	ed status		
RL 500 Center Freq 3.68500000	AC SENSESTMT	ALIGNAUTO Avg Type: Log-Pwr Avg[Hold: 1/1	108:37:11 PM Oct 28, 2019 TRACE 23:4 5 TYPE Motoretail	Frequency	RL 500 Center Freq 3.6	685000000	AC SENSE:UNT	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/1	08:38:02 PM Oct 28, 2019 TRACE 2 3 4 5 0 TYPE MINACOMMU DET P P P P P P	Frequency
Input: RF	PNO: Fast Trig: Free Run IFGain:Low #Atten: 10 dB	Avginola. In	DET P P P P P	Auto Tune		Input: RF	For the second s	Avginou. In	DETPPPPP	Auto Tune
o dB/div Ref 0.00 dBm				-	10 dB/div Ref 0.	.00 dBm				-
10,0				Center Freq 3.685000000 GHz	-10,0					Center Free 3.685000000 GH:
20,0			الكري الم	Start Freq	-20,0					Start Free
-30.0				3.685000000 GHz	-30.0					3.685000000 GH:
40.0 mb/				Stop Freq 3.68500000 GHz	-40.0					Stop Free 3.685000000 GH
á9.0				CF Step	-80.0					CF Step
700 - 1 00 - 5 (0-			ten kalenda eta aka dikina a	1.000000 MHz Auto Man	-700 Notest Alternation	dente de serve en alle	u and Marson (Millio Marson, Strategy of Instru-	de la data de la ferita da de	de la distancia de la distancia	1.000000 MHz Auto Man
80.0				Freq Offset	-80.0					Freq Offse
90.0			الك يعد	0 H2	-90,0					0 H:
Center 3.685000000 GHz			Span 0 Hz		Center 3.685000	000 GHz			Span 0 Hz	
Res BW 1.0 MHz	#VBW 3.0 MHz 9_174643_partial_3_83.png> saved		0.00 s (40000 pts)		Res BW 1.0 MHz		#VBW 3.0 MHz 174643_partial_3_84.png> sav		0.00 s (40000 pts)	

Agilent Spectrum Analyzer - Swept SA RL SD-R AC	SENSESIMTI ALIGNAL	TO (08:38:53 PM Oct 28, 2019		Bit Agilent Spectrum Analyzer - Swept SA Action Spectrum Analyzer - Swept SA CM RL 50 Q Action Spectrum Analyzer - Geogram Analyzer - Geogeogeogeogeogeogeogeogeogeogeogeogeoge	
Center Freq 3.685000000 GHz Input: RF PNO: Fast +++ T IFGain:Low	Avg Type: Log-Pv Frig: Free Run Avg Hold: 1/1 Atten: 10 dB	TRACE	Frequency	Center Freq 3.685000000 GHz Input: RF PN0:Fast Trig: Free Run Avg Hold: 1/1 Trig: Pree Run Avg Hold: 1/1 cer PDP p.p	Frequency
II COMMENT			Auto Tune		Auto Tun
o dB/div Ref 0.00 dBm				10 dB/div Ref 0.00 dBm	
(8)0			Center Freq 3.685000000 GHz		Center Free 3.685000000 GH
39,0				200	
30.0			Start Freq 3.685000000 GHz	-30.0	Start Free 3.685000000 GH
AD 0					_
			Stop Freq 3.685000000 GHz		Stop Free 3.685000000 GH
50.0					
80.0			CF Step 1.000000 MHz Auto Man	20.0	CF Ster 1.000000 MH Ma
			EMER INST		are ma
80.0			Freq Offset 0 Hz	40.0	Freq Offse
90.0				-30.0	_
Center 3.685000000 GHz		Span 0 Hz		Center 3.685000000 GHz Span 0 Hz	
tes BW 1.0 MHz #VBW 3.		o 40.00 s (40000 pts)		Res BW 1.0 MHz #VBW 3.0 MHz Sweep 40.00 s (40000 pts)	
File <3600_test28102019_174643_partial_ Agilent Spectrum Analyzer - Swept SA	3_85.png> saved sn	ATUS		JiFile <3600_test_28102019_174643_partial_3_86.png> saved 3tAtus JiAgilent Spestrum Analyzer - Swopt SA 3tatus	C 6 8
RL 502 AC	Avg Type: Log-Pv	TO 08:40:37 PM Oct 28, 2019	Frequency	KL 50.0 RL 50.0 RC SEMERUM AUTO DEM1:28PM Oct28,2019 Center Freq 3,685000000 GHz Avg Type: Log-Pwr TRACE 1234 510	Frequency
Input RE PNO: Fast	Frig: Free Run Avg Hold: 1/1 Atten: 10 dB	DET PPPPP	Auto Tune	Input: RR PNO: Fast ++- Trig: Free Run Avg Hold: 1/1 TVE Maxware Information BAtten: 10 dB	Auto Tun
o dB/div Ref 0.00 dBm				IG dBrdiv Ref 0.00 dBm	
5g			Center Freq		Center Free
19.0			3.685000000 GHz	-100	3.685000000 GH
2010			Start Freq	200	Start Free
30.0			3.685000000 GHz	-30.0	3.685000000 GH
40.0			Stop Freq	-400	Stop Fre
5010			3.685000000 GHz	400	3.685000000 GH
20.0			CF Step	800	CF Step
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		أنشقين اعتقدت وا	Freq Offset	المتفاق الاستعار بالتعالج الأخلاط المتناب ومشتن وتخطف المستعار بمستر المثلاثين وال	Freq Offse
50.0			0 Hz		OH
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Center 3.685000000 GHz Res BW 1.0 MHz #VBW 3.	0 MHz Sweet	Span 0 Hz 0 40.00 s (40000 pts)		Center 3.685000000 GHz Span 0 Hz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 40.00 s (40000 pts)	
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Agilent Spectrum Analyzer - Swept SA		TO 06:42:19PM Oct 28, 2019		월 Agtlent Spectrum Analyzer - Swept SA M RL 50 후 후 동편용는데/대 ALTO 07286/08면서 0ct28, 2019	E B B
enter Freg 3 685000000 GHz	Avg Type: Log-Pv	VE TRACE	Frequency	Center Freq 3.685000000 GHz Avg Type: Log-Pwr TRACE 2.2.3.4 Str Insurt PE PMC End the Trig: RF Burst Avg Hold: 1/1 Type Mittaketa	Frequency
IFGain:Low #	Atten: 10 dB	LEI GERRE	Auto Tune	IFGain:Low #Atten: 10 dB DEF DEP PP P	Auto Tun
a dB/div Ref 0.00 dBm			-	10 dB/div Ref 0.00 dBm	-
8.0			Center Freq 3.685000000 GHz	-180	Center Free 3.685000000 GH
00					
300			Start Freq 3,685000000 GHz	300	Start Free 3.685000000 GH
ا كان الما إيما إلي ال				، ومعالمات المراجع المراجع الي المراجع التي إز	
0.0			Stop Freq 3,685000000 GHz		Stop Fre 3,685000000 GH
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				البجر المراسية المراجعة المراجع المراجعين والمراجعين	
enter 3.685000000 GHz les BW 1.0 MHz #VBW 3.	0 MHz Sweep	Span 0 Hz 0 40.00 s (40000 pts)		Center 3.685000000 GHz Span 0 Hz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 40.00 s (40000 pts)	
File <3600_test_28102019_174643_partial_	3_89.png> saved str	tus		Mass J File <3600_test_28102019_174643_partial_2_90.png> saved status	



3. CPE.KDB.7: Verify CPE-CBSD can register with SAS with transmit power below 23dBm EIRP



Note 1: Measured CPE-CBSD EIRP is -4.62 dBm EIRP

Note 2: Test setup RF path losses (13.75dB) considered in signal analyzer measurement using ref. offset parameter