## **Test Report**

As per

## FCC Part 96 SAS requirements (CBRS Test Plan)



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#### Ericsson Remote Radio Unit KRY 901 537/1 DOT 2256 B48B41B25B66 (3550-3700MHz) KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)

Issued by: TÜV SÜD Canada Inc. 1280 Teron Rd, Ottawa, ON K2K 2C1 Canada

Testing produced for

Ericcson Canada

See Appendix A for full client & EUT details.

Steve McFarlane Test Personnel

5 Cene M Fan

Scott Drysdale Report Reviewer

ysdale



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 Report Issued: 5/3/2023
 Report File #: 7169012176A-CBRS-002

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

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Authorization transmit after it receives authorization from a SAS
Confirm that the device transmits at a power level less than or equal to the maximum power level approved by the SAS
WINNF.FT.C.SCS.1
WINNF.FT.C.SCS.2
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Appendix A – EUT & Client Provided Details
Technical Description
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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

### **Report Scope**

This report addresses the EMC verification testing and test results of the **KRY 901 537/2 DOT 2266 B48 (3550-3700MHz)** herein referred to as EUT (Equipment Under Test). The EUT was tested for compliance against the following standards:

FCC Part 96 SAS requirements (CBRS Test Plan)

. Test procedures, results, justifications, and engineering considerations, if any, follow later in this report.

For a more detailed list of the standards and the revision used, see the "Applicable Standards, Specifications and Methods" section of this report.

This report does not imply product endorsement by any government, accreditation agency, or TÜV SÜD Canada Inc.

Opinions or interpretations expressed in this report, if any, are outside the scope of TÜV SÜD Canada Inc accreditations. Any opinions expressed do not necessarily reflect the opinions of TÜV SÜD Canada Inc, unless otherwise stated.

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Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## Summary

The results contained in this report relate only to the item(s) tested.

Equipment Under Test (EUT)	KRY 901 537/2 DOT 2266 B48B41B25B666 (3550-3700MHz) Note: Non-Tested Variant Dot 2256 B48B41B25B666 KRY 901 537/1 (See Appendix A Technical Description for similarity description)
EUT passed all tests performed	Yes
Tests conducted by	Steve McFarlane

For testing dates, see 'Testing Environmental Conditions and Dates'.

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## Test Results Summary

Section as per Working Document WINNF-TS-0122

Section	CBS D	D P	Test Case ID	Test Case Title	RF Measurement Requirement	Pass / Fail
6.1.4.1. 1	Х		WINNF.FT.C.R EG.1	Multi-Step registration	Monitor for 60 seconds after REG message sent. No transmission during test.	N/A
6.1.4.1. 2		X	WINNF.FT.D.R EG.2	Domain Proxy Multi-Step registration	Monitor for 60 seconds after REG message sent. No transmission during test.	Ρ
6.1.4.1. 3	X		WINNF.FT.C.R EG.3	Single-Step registration for Category A CBSD	Monitor for 60 seconds after REG message sent. No transmission during test.	N/A
6.1.4.1. 4		X	WINNF.FT.D.R EG.4	Domain Proxy Single-Step registration for Cat A CBSD (Note: Mandatory for without CPI, if EUT will always have signed CPI – asked for email waiver)	Monitor for 60 seconds after REG message sent. No transmission during test.	N/A
6.1.4.1. 5	X		WINNF.FT.C.R EG.5	Single-Step registration for CBSD with CPI signed data	Monitor for 60 seconds after REG message sent. No transmission during test.	N/A
6.1.4.1. 6		X	WINNF.FT.D.R EG.6	Domain Proxy Single-Step registration for CBSD with CPI signed data	Monitor for 60 seconds after REG message sent. No transmission during test.	Р
6.1.4.1. 7	Х	X	WINNF.FT.C.R EG.7	Registration due to change of an	Test waits until transmission starts, then trigger an	N/A

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

				· · · · · · · · · · · · · · · · · · ·	installation	
				installation	installationParam	
				parameter	change.	
					Record time	
					at which	
					transmission	
					stops. Time	
					must be	
					within 60	
					seconds of	
					the	
					installationPa	
					ram change	
					taking effect.	
6.1.4.2.	Х		WINNF.FT.C.R	Missing Required	Monitor for 60	
0.1.4.2.	1		EG.8	e i	seconds after REG	N/A
			LO.0	parameters	message sent. No	13//3
				(responseCode 102)	transmission during	
					test.	
6.1.4.2.		X	WINNF.FT.D.R	Domain Proxy	Monitor for 60	
				2	seconds after REG	Р
2			EG.9	Missing Required		Г
				parameters	message sent. No	
				(responseCode 102)	transmission during	
(1.1.0)	37				test.	
6.1.4.2.	Х		WINNF.FT.C.R	Pending registration	Monitor for 60	N1/A
3			EG.10	(responseCode 200)	seconds after REG	N/A
					message sent. No	
					transmission during	
					test.	
6.1.4.2.		X	WINNF.FT.D.R	Domain Proxy	Monitor for 60	-
4			EG.11	Pending registration	seconds after REG	Р
				(responseCode 200)	message sent. No	
					transmission during	
					test.	
6.1.4.2.	Х		WINNF.FT.C.R	Invalid parameter	Monitor for 60	
5			EG.12	(responseCode 103)	seconds after REG	N/A
					message sent. No	
					transmission during	
					test.	
6.1.4.2.		X	WINNF.FT.D.R	Domain Proxy	Monitor for 60	
6			EG.13	Invalid parameters	seconds after REG	Р
			-	(responseCode 103)	message sent. No	
					transmission during	
					test.	
6.1.4.2.	Х		WINNF.FT.C.R	Blacklisted CBSD	Monitor for 60	
7	. –		EG.14	(responseCode 101)	seconds after REG	N/A
'			10.11			
6.1.4.2. 7	Х			Blacklisted CBSD (responseCode 101)		N/A
					message sent. No	

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

					transmission during test.	
6.1.4.2. 8		X	WINNF.FT.D.R EG.15	Domain Proxy Blacklisted CBSD (responseCode 101)	Monitor for 60 seconds after REG message sent. No transmission during test.	Ρ
6.1.4.2. 9	X		WINNF.FT.C.R EG.16	Unsupported SAS protocol version (responseCode 100)	Monitor for 60 seconds after REG message sent. No transmission during test.	N/A
6.1.4.2. 10		X	WINNF.FT.D.R EG.17	Domain Proxy Unsupported SAS protocol version responseCode 100)	Monitor for 60 seconds after REG message sent. No transmission during test.	Ρ
6.1.4.2. 11	X		WINNF.FT.C.R EG.18	Group Error (responseCode 201)	Monitor for 60 seconds after REG message sent. No transmission during test.	N/A
6.1.4.2. 12		X	WINNF.FT.D.R EG.19	Domain Proxy Group Error (responseCode 201)	Monitor for 60 seconds after REG message sent. No transmission during test.	Ρ
6.1.4.3. 1	X	X	WINNF.FT.C.R EG.20	Category A CBSD location update		N/A
6.3.4.2. 1	X	X	WINNF.FT.C.G RA.1 (TYPO FIXED D TO C)	Unsuccessful Grant responseCode=400 (INTERFERENCE)	Monitor for 60 seconds after REG message sent. No transmission during test.	Ρ
6.3.4.2. 2	X	X	WINNF.FT.C.G RA.2	Unsuccessful Grant responseCode=401 (GRANT_CONFLIC T)	Monitor for 60 seconds after REG message sent. No transmission during test.	Ρ
6.4.4.1. 1	X		WINNF.FT.C.H BT.1	Heartbeat Success Case (first Heartbeat Response)	Monitor RF from start of test. Ensure that: • Transmission does not start until time of first	N/A

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

					<ul> <li>heartbeat response or after.</li> <li>After transmission starts, meas ure that transmission is within the granted channel (frequencyLo w, freque ncyHigh)</li> </ul>	
6.4.4.1.		X	WINNF.FT.D.H BT.2	Domain Proxy Heartbeat Success Case (first Heartbeat Response)	Monitor RF from start of test. Ensure that: Transmission does not start until time of first heartbeat response or after. After transmission starts, meas ure that transmission is within the granted channel (frequencyLo w, freque ncyHigh)	Ρ
6.4.4.2.	X	X	WINNF.FT.C.H BT.3	Heartbeat responseCode=105 (DEREGISTER)	Monitor RF transmission. Ensur e that: • CBSD stops transmission within 60 seconds of the heartbeatRe sponse which contains	Ρ

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

					responseCod e = 105	
6.4.4.2. 2	X		WINNF.FT.C.H BT.4	Heartbeat responseCode=500 (TERMINATED_G RANT)		N/A
6.4.4.2. 3	X	X	WINNF.FT.C.H BT.5	Heartbeat responseCode=501 (SUSPENDED_GR ANT) in First Heartbeat Response	Monitor RF transmission from start of test. Ensure there is no transmission during the test	Ρ
6.4.4.2. 4	X	X	WINNF.FT.C.H BT.6	Heartbeat responseCode=501 (SUSPENDED_GR ANT) in Subsequent Heartbeat Response	Monitor RF transmission. Ensur e: • CBSD stops transmission within 60 seconds of heartbeatRe sponse which contains responseCod e=501	Ρ
6.4.4.2. 5	X	X	WINNF.FT.C.H BT.7	Heartbeat responseCode=502 (UNSYNC_OP_PA RAM)	Monitor RF transmission. Ensur e: • CBSD stops transmission within 60 seconds of heartbeatRe sponse which contains responseCod e=502	Ρ
6.4.4.2. 6		Х	WINNF.FT.D.H BT.8	Domain Proxy Heartbeat responseCode=500 (TEMINATED_GR ANT)	Monitor RF transmission. CBSD s will have different behavior: • CBSD1: will continue to transmit to	Ρ

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

					end of test	
					(this is not a	
					pass/fail	
					criteria, but	
					check)	
					CBSD2:	
					must stop	
					transmission	
					within 60	
					seconds of	
					being sent	
					heartbeatRe	
					sponse with	
					responseCod e = 500	
( 1 1 2	v	v			Monitor RF from	
6.4.4.3.	Х	X	WINNF.FT.C.H	Heartbeat Response		D
1			BT.9	Absent (First	start of test to 60	Р
				Heartbeat)	seconds after last	
					heartbeatResponse	
					message was sent.	
					CBSD should not	
					transmit at any time	
6.4.4.2					during test	
6.4.4.3.	Х	X	WINNF.FT.C.H	Heartbeat Response	Monitor RF	
2			BT.10	Absent (Subsequent	transmission. Verify:	Р
				Heartbeat)	CBSD must	
					stop	
					transmission	
					within	
					transmitExpir	
					eTime+60	
					seconds,	
					where	
					where transmitExpir	
					where transmitExpir eTime is	
					where transmitExpir eTime is from last	
					where transmitExpir eTime is from last successful	
					where transmitExpir eTime is from last successful heartbeatRe	
					where transmitExpir eTime is from last successful heartbeatRe sponse	
					where transmitExpir eTime is from last successful heartbeatRe sponse message	
6.5.4.2.	X		WINNF.FT.C.M	Registration	where transmitExpir eTime is from last successful heartbeatRe sponse	
6.5.4.2. 1	X		WINNF.FT.C.M ES.1	Response contains	where transmitExpir eTime is from last successful heartbeatRe sponse message	N/A
	X				where transmitExpir eTime is from last successful heartbeatRe sponse message	N/A
	X	 X		Response contains measReportConfig	where transmitExpir eTime is from last successful heartbeatRe sponse message	N/A
1			ES.1	Response contains	where transmitExpir eTime is from last successful heartbeatRe sponse message	N/A P

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

				Response contains		
6.5.4.2. 3	X	X	WINNF.FT.C.M ES.3	measReportConfig Grant Response contains measReportConfig	No RF monitoring	Р
6.5.4.2. 4	X		WINNF.FT.C.M ES.4	Heartbeat Response contains measReportConfig	No RF monitoring	N/A
6.5.4.2. 5		X	WINNF.FT.D.M ES.5	Domain Proxy Heartbeat Response contains measReportConfig	No RF monitoring	Р
6.6.4.1. 1	X		WINNF.FT.C.R LQ.1	Successful Relinquishment	Monitor RF transmission. Ensur e: • CBSD stops transmission at any time prior to sending the relinquishme ntRequest message.	N/A
6.6.4.1. 2		X	WINNF.FT.D.R LQ.2	Domain Proxy Successful Relinquishment	Monitor RF transmission. Ensure : • CBSD stops transmission at any time prior to sending the relinquishmentReque st message.	Р
6.7.4.1. 1	X		WINNF.FT.C.D RG.1	Successful Deregistration	Monitor RF transmission. Ensur e: • CBSD stops transmission at any time prior to sending the relinquishme ntRequest message or deregistrat ionRequest	N/A

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

					message (whichever is sent first)	
6.7.4.1. 2		X	WINNF.FT.D.D RG.2	Domain Proxy Successful Deregistration	Monitor RF transmission. Ensure : • CBSD stops transmission at any time prior to sending the relinquishmentReque st message or deregistrationReques t message (whichever is sent first)	Р
6.8.4.1. 1	X	X	WINNF.FT.C.SC S.1	Successful TLS connection between UUT and SAS Test Harness	No RF transmission during test Check the tcpdump for the TLS information	Р
6.8.4.2. 1	X	X	WINNF.FT.C.SC S.2	TLS failure due to revoked certificate	No RF transmission during test Check the tcpdump for the TLS information	Р
6.8.4.2. 2	X	X	WINNF.FT.C.SC S.3	TLS failure due to expired server certificate	No RF transmission during test Check the tcpdump for the TLS information	Р
6.8.4.2. 3	Х	X	WINNF.FT.C.SC S.4	TLS failure when SAS Test Harness certificate is issue by unknown CA	No RF transmission during test Check the tcpdump for the TLS information	Р
6.8.4.2. 4	Х	X	WINNF.FT.C.SC S.5	TLS failure when certificate at the SAS Test Harness is corrupted	No RF transmission during test Check the tcpdump for the TLS information	Р
7.1.4.1. 1	X	Х	WINNF.PT.C.H BT	UUT RF Transmit Power Measurement	Power Spectral Density test case.	Р

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Assume we use 1 carrier bandwidth (say, 5 or 10 MHz), one frequency (say middle channel in band) for test. Measure at max
test. Measure at max transmit power, and reduce in steps of 3
dB to minimum declared transmit
power.

If the product as tested complies with the specification, the EUT is deemed to comply with the standard and is deemed a 'PASS' or 'P' grade. If not 'FAIL' grade is issued. Where 'N/A' is stated this means the test case is not applicable, and see Notes, Justifications or Deviations Section for details.

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#### Notes, Justifications, or Deviations

The following notes, justifications for tests not performed or deviations from the above listed specifications apply:

Testing was performed at the client site, as per customer request

A later revision of the standard may have been substituted in place of the previous dated referenced revision. The year of the specification used is listed under applicable standards. Using the later revision accomplishes the goal of ensuring compliance to the intent of the previous specification, while allowing the laboratory to incorporate the extensions and clarifications made available by a later revision.

For the N/A test cases, the following justifications apply:

- a. EUT is a CBSD with Domain Proxy
- b. EUT supports the following Conditional functionality from WINNF-TS-0122-V1.0.2
  - i. C1 Multi-step registration (WINNF.FT.D.REG.2)
  - ii. C3 Single step registration containing CPI-signed data in the registration message (WINNF.FT.D.REG.6)
  - iii. C4 RECEIVED\_POWER\_WITHOUT\_GRANT measurement report (WINNF.FT.D.MES.2)
  - iv. C5 RECEIVED\_POWER\_WITH\_GRANT measurement report (WINNF.FT.D.MES.3, WINNF.FT.D.MES.5)
- c. Optional test cases were not performed

The device does not use single-step registration (as defined in condition C2 in WINNF-TS-0122-V1.0.2, Table 6-2), therefore test cases 6.1.4.1.4, and 6.1.4.3.1 are not applicable as per WINNF-TS-0122-V1.0.2, Table 6-3 and therefore not required or performed.

Note, where graph sweeps are incomplete, this was used to set the time stamp of when the events occurred. This can be accomplished by determining the time at which the graph was captured and subtracting the remaining time. For example if there was a 30 second sweep, and 9 out of 10 is complete, that means the end occurred at the 27 second market. If the time on the graph was 12:03:35, this means the graph started at 12:03:08. This allows us to co-ordinate graph with UTC in the logs.

Logs are kept on file.

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

# Applicable Standards, Specifications and Methods

ANSI C63.4:2014	Methods of Measurement of Radio-Noise Emissions from Low- Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
CFR47 FCC Part 96	Code of Federal Regulations – Citizens Broadband Radio Service
Version V1.0.2	Conformance and Performance Test Technical Specification; CBSD/DP as Unit Under Test (UUT) Working Document
ISO/IEC 17025:2005	General requirements for the competence of testing and calibration laboratories

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Ganada

## **Document Revision Status**

Revision 001:	April 24, 2023	First Draft
Revision 002:	May 01, 2023	Second Draft
Revision 003:	May 03, 2023	Third Draft

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

### **Definitions and Acronyms**

The following definitions and acronyms are applicable in this report. See also ANSI C63.14.

AE – Auxiliary Equipment. A digital accessory that feeds data into or receives data from another device (host) that in turn, controls its operation.

AM – Amplitude Modulation

**Class A device** – A device that is marketed for use in a commercial, industrial or business environment. A 'Class A' device should not be marketed for use by the general public and the instructions for use accompanying the product shall contain the following text:

**Caution:** This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

**Class B device** – A device that is marketed for use in a residential environment and may also be used in a commercial, business or industrial environments.

**EMC** – Electro-Magnetic Compatibility. The ability of an equipment or system to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment.

**EMI** – Electro-Magnetic Immunity. The ability to maintain a specified performance when the equipment is subjected to disturbance (unwanted) signals of specified levels.

**Enclosure Port** – Physical boundary of equipment through which electromagnetic fields may radiate or impinge.

**EUT** – Equipment Under Test. A device or system being evaluated for compliance that is representative of a product to be marketed.

LISN – Line Impedance Stabilization Network

NCR – No Calibration Required

NSA - Normalized Site Attenuation

RF - Radio Frequency

**EMC Test Plan** – An EMC test plan established prior to testing. See 'Appendix A – EUT & Client Provided Details'.

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## **Testing Facility**

Testing for EMC on the EUT was performed at the client site, as per customer request.

#### **Calibrations and Accreditations**

TÜV SÜD Canada Inc is accredited to ISO/IEC 17025 by A2LA with Testing Certificate #2955.19. The laboratory's current scope of accreditation listing can be found as listed on the A2LA website. All measuring equipment is calibrated on an annual or bi-annual basis as listed for each respective test.

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### Testing Environmental Conditions and Dates

Following environmental conditions were recorded in the facility during time of testing

Date	Test	Initials	Temperature (°C)	Humidity (%)	Pressure (kPa)
April 18-19, 2023	All	SM	20-23	40-55	99.58

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## **Detailed Test Results Section**

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

### Authorization transmit after it receives authorization from a SAS.

Section	DP	Test Case ID	Test Case Title	Pass / Fail
6.1.4.1.2	X	WINNF.FT.D.REG.2	Domain Proxy Multi-Step registration	Р
Agilent Spectrum	Analyzer - S	wept SA		
Gate Delay	57.700 µ	ut: RF PNO: Fast Trig: Free Run	ALIGNAUTO 01:56:19 PM Apr 19,2 Avg Type: Pwr(RMS) TRACE 1 2 3 4 Avg Hold:>10/10 Type MA www	5 6 Detector
10 dB/div Re	f 0.00 dB	IFGain:Low Atten: 10 dB	Mkr1 3.630 0 Gł -77.853 dB	Hz Auto
-10.0				Norma
-20.0				Average (Log/RMS/V)
40.0	-			Peal
60.0				Sample
-70.0 -80.0	ncipector	hand have been a stand of the second stands of the second stand stand stand stand stand stand stand stand stand	sichtiggen ihner mehr verspectar intereservision	Negative Peak
-90.0 Center 3.6300	GH7		Span 200.0 M	
#Res BW 1.0		#VBW 3.0 MHz	#Sweep 100 ms (1001 p	
MSG			STATUS	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.1.6	X	WINN	F.FT.D	.REG.6		Domain registrati signed da	on for C			Ρ
Magilent Spectrum /	Analyzer - Sv	vept SA								
ୟା 50 ହ Gate Delay 5	7.700 µs			C SE		Avg Type Avg Hold	ALIGNAUTO e: Pwr(RMS)	TRAC	M Apr 19, 2023 E 1 2 3 4 5 6 E MA WWWW	Detector
Gate:	LO Inpu		D: Fast 😱 ain:Low	Atten: 10		Arghiona		DE	ASNNNN	
	0.00 dB	m					Mk		0 0 GHz 53 dBm	Auto
Log										
-10.0										Normal
-20.0										Average
-30.0						-				(Log/RMS/V)
-40.0							-			
										Peak
-50.0										
-60.0						_				
										Sample
-70.0					1					
-80.0 STANCHONN	nauthan total	Manakatati	The state of the s	registiger and an	Milesantifer	and the three states		ALLANDAR	an president of	
							a casta h	an te loint n		Negative Peak
-90.0										
Center 3.6300 #Res BW 1.0 N			#VBW	3.0 MHz			#Sweep		00.0 MHz 1001 pts)	
мsg 🧼File <reg2< th=""><td>2_REPEAT</td><td>.png&gt; save</td><td>ed</td><td></td><td></td><td></td><td>STATUS</td><td></td><td>. ,</td><td></td></reg2<>	2_REPEAT	.png> save	ed				STATUS		. ,	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.2.2	2	Х	WINNF	.FT.D.	REG.9		Domain				
							Required	<b>.</b>			Р
							(response	eCode 1	02)		
🔎 Agilent Spe		nalyzer - Sv	vept SA								
x Gate Dela	50 Q av 57	7.700 u	5	,A(		NSE:INT		ALIGNAUTO : Pwr(RMS)	TRAC	M Apr 19, 2023	Detector
	Gate: I			Fast 😱 :Low	Atten: 10		Avg Hold	> 10/10	TYI	ET A S N N N N	
10 dB/div	Ref	0.00 dB	m					Mk		0 0 GHz 53 dBm	Auto
-10.0						9					Norma
-20.0	_										A
-30.0											Average (Log/RMS/V)
-40.0											
-40,0											Peak
-50.0											
-60.0							-				Sample
-70.0	_					.1					
-80.0 PMMAR	antare:	tan manager	trove sky so	ref. Louist	newsperiod		took approved and	iqubanasept		rentifications:	Negative Peak
-90.0											
Center 3.0 #Res BW				#\/D\A/	3.0 MHz			# <b>S</b> woon		00.0 MHz	
				#VBW	3.0 WHZ					1001 pts)	
usg 🕹 File 🕯	REG6	.png> sav	ed					STATUS	5		

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.2.4		Х	WINN	IF.FT.D	.REG.1			Proxy Po ion (resp	•	le	Р
D Agilent Spec	trum Ar	nalyzer - Sw	rept SA								
u Gate Dela			5		C SEP	NSE:INT	Avg Typ Avg Hold	ALIGNAUTO e: Pwr(RMS)	TRAC	MApr 19,2023 E 1 2 3 4 5 6 E MA WWWW	Detector
	Gate: L	.O Inpu	It: RF PN	IO: Fast 😱 ain:Low	Atten: 10		Arginoid	1.2 10/10	DE	ASNNNN	
10 dB/div	Ref	0.00 dB	m					Mk	r1 3.630	0 0 GHz 53 dBm	Auto
Log								1	1		
-10.0											Normal
-20.0	+					-	+	1			Average
-30.0	-										(Log/RMS/V)
-40.0											
											Peak
-50.0									1		
-60.0	_						_	-			
											Sample
-70.0						1					
-80.0 <b>(1997)</b>	in white	NHEAPING A	IPAPSIA P	with which pa	the print of the p	and a second	kopustpisteries,	and a section of the	a tursi ka kun nu	etica ante	Negative Peak
											neguiver cut
-90.0											
Center 3.6	300 0	Hz							Span 2	00.0 MHz	
#Res BW				#VBW	3.0 MHz			#Sweep		1001 pts)	
мsg 🗼 File <	REG9.	png> sav	ed					STATUS			

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.2.6	Х	WINNF	.FT.D.R	EG.13			Proxy In rs (respo		e 103)	Р
DAgilent Spectrum A	nalyzer - Sw	vept SA								
Gate Delay 50 Ω Gate Delay 57 Gate:				rig: Free		Avg Type Avg Hold:	ALIGNAUTO Pwr(RMS) >10/10	TRAC	M Apr 19, 2023 E 1 2 3 4 5 6 E M A WWWW	Detector
10 dB/div Ref	0.00 dB	IFGain		Atten: 10 d	1B		Mk	r1 3.630	0 0 GHz 3 dBm	Auto
-10.0										Normal
-20.0										Average (Log/RMS/V)
-40.0										Peak
-60.0										Sample
-80.0 <b>2440000000000000000000000000000000000</b>	foxunque	econyout	nnessandisch		1 And And And And And And And And And And	(1997) Alexandriane	openedity	appeorations	oquqasipiqi	Negative Peak
Center 3.6300 #Res BW 1.0 M	Hz		#VBW 3.	0 MHz			#Sweep	100 ms (	00.0 MHz 1001 pts)	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.2.8	X	WINNF.FT.	.D.REG.1;			Proxy B esponse			Р
💷 Agilent Spectrum A	nalyzer - Sw	vept SA				-sp ense		-)	
Gate Delay 50 Ω Gate Delay 57 Gate:		S It: RF PNO: Fast (		NSE:INT	Avg Type Avg Hold	ALIGNAUTO : Pwr(RMS) :>10/10	TRAC	M Apr 19, 2023 E 1 2 3 4 5 6 E M A WWWW	Detector
	0.00 dB	IFGain:Low	Atten: 10	dB		Mk	r1 3.63	0 0 GHz 53 dBm	Auto
-10.0									Normal
-20.0									Average (Log/RMS/V)
-40.0									Peak
-60.0									Sample
-80.0	and the second secon	finner an	ngaaghurphireagh	1 Antheritation	asan na kana kana kana kana kana kana ka	handbebela	nezdotetete	erchapeteiteit	Negative Peak
Center 3.6300 ( #Res BW 1.0 M	IHz	144.7977	W 3.0 MHz			#Sweep	100 ms (	00.0 MHz 1001 pts)	

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Client	Ericsson	
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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.2.10	X	WINNF.FT.D	0.REG.17	SAS pro	Proxy U otocol ver eCode 10	sion	ted	Ρ
DAgilent Spectro	um Analyzer - S	wept SA						
Gate Delay	<sup>50 Ω</sup>		AC SENSE:		ALIGNAUTO e: Pwr(RMS)		MApr 19, 2023	Detector
		ut: RF PNO: Fast G	Trig: Free Ru Atten: 10 dB	un Avg Hole		TYP	TASNNNN	
10 dB/div F	Ref 0.00 dE		TRUE TO UD		Mk		0 0 GHz 19 dBm	Auto
Log								
-10.0								Normal
-20.0					-			
								Average (Log/RMS/V)
-30.0								(Logitinoity)
-40.0	-							
								Peak
-50.0								
-60.0								
-80.0								Sample
-70.0								
manchak			<b>↓</b> <sup>1</sup>					
-80.0 475 444 444 1940 1	PLA WASHINGAN	an sa	www.cantage	and the state of the	an the second	HARD A ADAM	azobiskieciski	Negative Peak
-90.0								
-50.0								
Center 3.63						Snor 2		
#Res BW 1.		#VBW	3.0 MHz		#Sweep		00.0 MHz 1001 pts)	
MSG					STATUS			

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.1.4.2.12 X WINNF.FT.D.REG.19					Domain Proxy Group Error (responseCode 201)				Р	
💷 Agilent Spectrum An	alyzer - Sw	rept SA								
Gate Delay 57 Gate: L			: Fast 😱	] Trig: Free		Avg Type Avg Hold	ALIGNAUTO Pwr(RMS) >10/10	TRAC	M Apr 19, 2023 E 1 2 3 4 5 6 E M A WWW	Detector
10 dB/div Ref (	).00 dBr	IFGai	n:Low	Atten: 10	dB		Mk	r1 3.63	0 0 GHz 19 dBm	Auto
-10.0										Normal
-20.0					2 2 2					Average (Log/RMS/V)
-40.0										Peak
-60.0										Sample
-80.0 2000 -80.0	appendiate and a	npanpan <sup>a</sup> nt	the tagen	phaceone	1 University	n Frankerskiller († 1947)	terineticidesc	an <del>s</del> aintean	in the second	Negative Peak
Center 3.6300 G #Res BW 1.0 Mi	Hz	vod	#VBW	3.0 MHz			#Sweep	100 ms (	00.0 MHz 1001 pts)	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

#### Check the device registration and authorization with the SAS, Confirm that the device changes its operating power and/or channel in response to a command from the SAS and Confirm that the device correctly configures based on the different license classes.

G 🕹 File < REG	19.png> saved					STATU	IS			
enter 3.6300 Res BW 1.0 N		#VBV	V 3.0 MHz			#Sweep	Span 2 100 ms (	00.0 MHz 1001 pts)		
90.0										
0.0 ANTERNET	we characterization	entradestation	and an and an	ni spenje spor	<b>Maritan</b>	hanta an		t paratete	Negative Peak	
0.0				1						
60.0									Sample	
0.0										
0.0									Peak	
0.0									(Log/RMS/V)	
20.0									Average	
0.0										
									Normal	
0 dB/div Ref	f 0.00 dBm					IVI		19 dBm		
Gate:	: LO Input: RF	PNO: Fast Ģ IFGain:Low	Atten: 10		Avginoid.		kr1 3.63		Auto	
ate Delay 5	57.700 µs			NSE:INT		ALIGN AUTO	) TRAC	M Apr 19, 2023	Detector	
Agilent Spectrum	Analyzer - Swept SA		(IIII)	<u>u bitbi</u>						
			respons (INTEF	eCode= RFEREI			uring test		transmission	
.3.4.2.1 V	WINNF.FT.C	C.GRA.1		essful C					nds after REG	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

Ρ

Monitor for 60 seconds after REG											
ransmission		essage s ring test			eCode= IT CON						
				FLICI		(OKAP		wept SA	ım Analyzer - S	Agilent Spectr	
Detector	2M Apr 19, 2023 2E 1 2 3 4 5 6 PE MA WWWW ET A S N N N N	TRAC	ALIGN AUTO Pwr(RMS)	Avg Type Avg[Hold:		]	10: Fast 🔾	IS	ົດ ຊ 57.700 µ	ate Delay	
Auto	0 0 GHz	r1 3.630				Atten: 10	io: Fast 🖵 Jain:Low		ate: LO Inj	6	
	19 dBm	-77.8						3m	tef 0.00 dl	dB/div F	
Normal										0.0	
Average	F									0.0	
(Log/RMS/V)										0.0	
Peak										0.0	
										0.0	
Sample										0.0	
					1					0.0	
Negative Peak	eredowersyd	estratolytication	<b>Westerner</b>	aparter provident have		and the second	PHUMAN PHUMA	alf-antropical	* souther the state is a second s	0.0 <b>MARIAN</b>	
										0.0	
	00.0 MHz 1001 pts)		#Sween			3.0 MHz	#VBW			enter 3.63 Res BW 1.	
	1001 pt3)	•	STATUS			0.0 11112			v 141112	3	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

	INNF.FT.D.HBT.2	Domain Proxy Hea Success Case (first Heartbeat Respons	te	<ul> <li>Aonitor RF from start of est. Ensure that:</li> <li>Transmission does not start until time of first heartbeat response or after.</li> <li>After transmission starts, measure that transmission is within the granted channel (frequencyLow, frequenc yHigh)</li> </ul>	Ρ
Marker 1 18.0008	S Input: RF PNO: Fast Trig: Free IFGain:Low Atten: 14		06:09:22 PMApr 18, 202 TRACE 12 3 4 5 TYPE MWWWW DET A NNNN Mkr1 18.00 s -25.837 dBm	S Select Marker	
-7.00			*	Normal	
-17.0				Delta	
-37.0				_ Fixed⊳	
-57.0				off	
-77.0				Properties►	
Center 3.555000000 Res BW 1.0 MHz	) GHz VBW	Sweep 3	Span 0 Hz 60.0 s (1001 pts	More Iz 1 of 2 5)	
MSG		STATUS	Input Overload;AD	DC over range	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.4.4.2.1	WINNF.FT.C.HBT.3	Heartbeat responseCode= (DEREGISTE		that: • C w	BSD stop: vithin 60 se	ssion. Ensure s transmission econds of the	Ρ
					ontains res	esponse which sponseCode	
DAgilent Spectr	rum Analyzer - Swept SA						
	50 Ω 163.081 s	AC SENSE:INT	ALIGN/ Avg Type: Pwr(	RMS) TR	8 PM Apr 18, 2023	Marker	
	Input: RF PNO: Fast ++ IFGain:Low	Trig: Free Run Atten: 14 dB	Avg Hold:/100	Mkr	DET A NNNNN 1 163.1 S	Select Marker 1	
10 dB/div	Ref 3.00 dBm			-76.	079 dBm		
-7.00					*	Normal	
-17.0							
-27.0						Delta	
-37.0						Fixed⊳	
-47.0							
-57.0						Off	
-67.0		1					
-77.0		<b>.</b>				Properties►	
-87.0						More	
Center 3.55 Res BW 1.0	55000000 GHz 0 MHz VBW -	· ).	Swe	eep 360.0 s	Span 0 Hz (1001 pts)	1 of 2	
MSG						over range	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.4.4.2.3	WINNF.FT.C.HBT.5	Heartbeat responseCode=501 (SUSPENDED_GRANT) in First Heartbeat	Monitor RF transmission from start of test. Ensure there is no transmission during the test	р
		Response		

Marker	ACE 1 2 3 4 5 6	TRA	ALIGN AUTO ype: Pwr(RMS)		ENSE:INT	7		s	50 Q 48.9608	larker 1
Select Marker	DET A N N N N N	יד	old:/100	Avg		Trig: Fr Atten: 1	PNO: Fast 🔸 Gain:Low	Input: RF		
1	1 48.96 s 082 dBm							dBm	Ref 3.00	0 dB/div
Norm	*									.00
Del										7.0
										7.0
Fixed										7.0
								_	_	.0
c	└──║			_	_				_	.0
Properties				_					\$ <sup>1</sup>	7.0
				_						7.0
<b>Mo</b> 1 of	Span 0 Hz (1001 pts)					Ļ	VBW	GHz	55000000	enter 3.5 es BW 1

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.4.4.2.4	WINNF.FT.C.HBT.6	Heartbeat responseCode=501 (SUSPENDED_GRANT) in Subsequent Heartbeat Response	<ul> <li>Monitor RF transmission. Ensure:</li> <li>CBSD stops transmission within 60 seconds of heartbeatResponse which contains responseCode=501</li> </ul>	р
-----------	------------------	---	--	---

	M Apr 18, 2023	06:31:50 P	ALIGN AUTO		SENSE:INT	AC		50 Q	
Marker Select Marker	ET A N N N N N	TYP	pe: Pwr(RMS) d:/100	Avg Ty Avg Hol	rig: Free Run tten: 14 dB		Input: RF PI		arker 1
Select Marker	159.5 s 72 dBm						dBm	Ref 3.00	dB/div
Norm	*								g 
Del									.0
Fixed									.0
					<b>♦</b> <sup>1</sup>				.0
c							_		
Properties									.0
Мо									.0
1 of	pan 0 Hz 1001 pts)	S 360.0 s (*	Sweep 3			VBW	) GHz	555000000 .0 MHz	enter 3.5 es BW 1

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Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.4.4.2.5	WINNF.FT.C.HBT.7	Heartbeat responseCode=502 (UNSYNC_OP_PAR )	within 60 s heartbeath	nission. Ensure: ps transmission seconds of Response which esponseCode=502	р
		AC SENSE:INT Avg Ty	ALIGN AUTO 06:46:38 PM Apr 18, 202 pe: Pwr(RMS) TRACE 1 2 3 4 5	Trace/Det	
10 dB/div	Input: RF PNO: Fast ↔ IFGain:Low		d:/100 TYPE MWWWWW Det A N N N N Mkr1 210.2 s -53.467 dBn	Select Trace	
-7.00			*	Clear Write	
-17.0				Trace Average	
-37.0				Max Hold	
-57.0				Min Hold	
-77.0				View/Blank Trace On	
Center 3.55 Res BW 1.0	55000000 GHz 0 MHz VBW		Span 0 H Sweep 360.0 s (1001 pts	More 1 of 3	
мsg 🔱 File <ft< td=""><td>tsryjtsryj.png&gt; saved</td><td></td><td>STATUS 🦺 Input Overload;AI</td><td>DC over range</td><td></td></ft<>	tsryjtsryj.png> saved		STATUS 🦺 Input Overload;AI	DC over range	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.4.4.2. 6	 X	WINNF.FT.D.H BT.8	Domain Proxy Heartbeat responseCode=500 (TEMINATED_GR ANT)	Monitor RF transmission. CBSD s will have different behavior: • CBSD1: will continue to	Ρ
				transmit to end of test (this is not a pass/fail criteria, but	
				<ul> <li>check)</li> <li>CBSD2: must stop transmission within 60 seconds of</li> </ul>	
				being sent heartbeatRe sponse with responseCod e = 500	

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Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

Marker	MApr 18, 2023 E 1 2 3 4 5 6	TRAC	ALIGNAUTO pe: Pwr(RMS)		SENSE:INT	AC		larker 1 59
Select Marke		DE	d:/100	Avg Ho	: Free Run n: 14 dB		Input: RF	
1	59.40 s 45 dBm						f 3.00 dBm	0 dB/div Re
Norm	*							
							,	7.00
Del							↓1	7.0
								27.0
Fixed								7.0
FIXE	]							7.0
								7.0
C			_					7.0
Properties				_				7.0
								7.0
Mo								
1 0	pan 0 Hz 1001 pts)	S 360.0 s (*	Sweep			VBW		enter 3.555 es BW 1.0 M

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_			

Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

rt of test to 60					tbeat Resp		C.HBT.9	F.FT.C	WINN	4.4.3.1
		conds af		Heartbeat)	Absent (First Heartbeat)					
message was										
not transmit at										
	uring test	/ time di	an							
		07.05.00.0		1	orayor wer		and the second	- Swept SA	um Analyzer	
Trace/Det	M Apr 18, 2023	TRACI	IGN AUTO Pwr(RMS)	Avg Type: Pv	SENSE:INT	AC			50 Q 59.4008 S	
Select Trace		TYP	100	Avg Hold:/1	Free Run : 14 dB		PNO: Fast ++ IFGain:Low	nput: RF		
Trace 1	59.40 s 78 dBm							iBm	Ref 3.00 c	
Clear Write	*									g
										00
							-	1.0		.0
Trace Average							_	-		.0
					_		_	-	_	.0
Max Hold								_	_	.0
										.0
Min Hold										
									<b>●</b> <sup>1</sup>	.0
View/Blank Trace On								-		.0
										.0
More 1 of 3	pan 0 Hz 1001 pts)		Sween				VBW	GHz	5000000	enter 3.55 s BW 1.0

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

Ρ	n within ireTime+60 nere ireTime is ccessful	SD must nsmissior nsmitExp conds, wh	CB     tra     tra     sec     tra     fro	Mo		beat Resp nt (Subsec beat)		C.HBT.10	WINNF.FT.	4.4.3.2
	Marker	MApr 18, 2023	07:19:08 P	IGNAUTO		SENSE:INT	AC 1			5
		E 1 2 3 4 5 6 E MWWWW T A NNNN	TRAC		Avg Type: Avg Hold:	ree Run 14 dB	Trig: Fr	PNO: Fast ++	1.681 s Input: RF	rker 1 3
	Select Marker	301.7 s 30 dBm					ritteri.	IFGalli.Low	f 3.00 dBm	dB/div R
	Normal	*								g 
	Delta	·								0 0
	Fixed⊳									o
	Off									0
	Properties►		<b>↓</b> <sup>1</sup>							0
	More 1 of 2	pan 0 Hz 1001 pts)	Ś 360.0 s (	Sweep				VBW	000000 GHz	nter 3.55%
	1 of 2	pan 0 Hz 1001 pts) verload;ADC	360.0 s (					VBW		

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.5.4.2.2 WINNF.FT.D.MES.2	Domain Proxy Registration Response contains measReportConfig	No RF monitoring	Р
----------------------------	---	------------------	---

Pass saw "measreportconfig" in logs

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.5.4.2.3	WINNF.FT.C.MES.3	Grant Response contains	No RF monitoring	
		measReportConfig		Р

Pass saw "measreportconfig" in logs

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.5.4.2.5	WINNF.FT.D.MES.5	Domain Proxy Heartbeat Response contains	No RF monitoring	Р
		measReportConfig		

Pass saw "measreportconfig" in logs

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.6.4.1.2	WINNF.F	T.D.RLQ.2	Doma	in Proxy	Successful	Mo	nitor R	F transm	ission. Ensure:	
			Reline	quishmer	nt	•	CB	SD stops	s transmission at	Р
				•		any	time p	rior to se	nding the	
									lest message.	
Desilent Spect	rum Analyzer - Swe	ept SA					1			
UX1	50 Q		AC	SENSE:INT		NAUTO		MApr 18, 2023	Marker	
Marker 1	142.201 s Input	: RF PNO: Fast 🕶	Trig: Fr	ee Run	Avg Type: Pw Avg Hold:/10		TYP	E 123456 E MWWWW	marker	
	input	IFGain:Low	Atten:				DE	ANNNNN	Select Marker	
								142.2 s 40 dBm	1	
10 dB/div Log	Ref 3.00 dBn	n					-00.04	+0 ubiii		
								*		
-7.00				-					Normal	
-17.0	1		1	-						
									Delta	
-27.0	1 1		1	-						
-37.0										
-37.0									Fixed⊳	
-47.0				_					TIACUP	
			1							
-57.0			Y							
			l						Off	
-67.0			1							
-77.0									Properties►	
-87.0										
-07.0										
									More	
Center 3.55 Res BW 1.0	55000000 GH MHz	z VBW			Sv	veep	S 360.0 s (*	pan 0 Hz 1001 pts)	1 of 2	
MSG						-	-		over range	
							- inpar o			

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

6.7.4.1.2	WINNF.FT.D.DRG.2	Domain Proxy Deregistration			nsmission. Ensure: tops transmission at	Р
			L	any time prior t		I
					Request message or	
					Lequest message	
				(whichever is se		
Agilent Spec	trum Analyzer - Swept SA					
L)U	50 Q	AC SENSE:INT	ALIGNAU		2023	
Marker 1	177.121 s Input: RF PNO: Fast ++	Trig: Free Run	Avg Type: Pwr(R Avg Hold:/100	MS) TRACE 1 2 3 TYPE MWWW DET A N N	4 3 8	
	IFGain:Low	Atten: 14 dB		DET A N N	Select Marker	
10 dB/div	Ref 3.00 dBm			Mkr1 177. -56.389 di	1s 1 <sup>*</sup>	
Log					*	
-7.00					Normal	
-17.0						
					Delta	
-27.0						
-37.0					Fixed⊳	
-47.0					Fixed	
		1				
-57.0		- ¶			_	
					Off	
-67.0						
-77.0					Properties►	
-87.0						
					More	
Center 3.5 Res BW 1.	55000000 GHz 0 MHz VBW		- Swo	Span 0 ep 360.0 s (1001	Hz 1 of 2	
MSG			ST	TATUS		

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

# Confirm that the device transmits at a power level less than or equal to the maximum power level approved by the SAS.

7.1.4.1.	Х	Х	WINNF.PT.C.H	UUT RF Transmit	Power Spectral	
1			BT	Power Measurement	Density test case.	Р
					Assume we use 1 carrier bandwidth (say, 5 or 10 MHz), one frequency (say middle channel in band) for test. Measure at max transmit power, and reduce in steps of 3 dB to minimum declared transmit power.	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## 3555 MHz Low power

Agilent Spectrum Analyzer - Channel Power	AC CREATE		00.00.05.044	
50 Ω larker 1 3.5577 GHz Gate: L0 Input: RF	AC SENSE:INT Center Freq: 3.55500 Trig: Free Run	ALIGNAUTO 0000 GHz Avg Hold: 10/10	03:22:05 PM Apr 18, 2023 Radio Std: None	Gate
IFGain:			Radio Device: BTS	Gat
0 dB/div	gall at the manual of the second of the seco	GATE ST	strand an and a strange	<u>On</u> 0
-30 -40 -50				Gate Vie
20 MWFAST 30 40 50 60 70 80 90	**			<u>On</u> 0
-30		Gate View Sv	veep Time 10.0 ms	Gate Vie
0 dB/div Ref 0 dBm			1 3.55768 GHz -5.3288 dBm	Sweep Tim 10.0 m
-10 -20				Gate Dela
-30				3.6000 m
-50				
-70				Gate Leng 3.8000 n
-90			Span 20 MHz	6
Res BW 1 MHz	#VBW 3 MH	Z	#Sweep 100 ms	Gate Method
Channel Power	Power	Spectral Dens	sity	
3.29 dBm/ 10	MHz	-6.71 dв	m/MHz	<b>Mor</b> 1 of
SG		STATUS		ř.

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3555 MHz High power

50 Q	AC SENSE:INT	ALIGNAUTO 03:11:27 PM Apr 18, 2023	Save
arker 1 3.5574 GHz Gate: LO Input: RF IFGai	Center Freq: 3.555000000 Trig: Free Run Av n:Low #Atten: 30 dB	0 GHz Radio Std: None yg Hold: 10/10 Radio Device: BTS	
	GRIESTAN A PORTONIAL TO AN	GATE STOP	State
20 MINFAST			Traco (+ State
		Gate View Sweep Time 10.0 ms	
dB/div Ref 0 dBm		Mkr1 3.55744 GHz -2.2853 dBm	
	يتبديك بليبيك بالمنتكب المنتكب المنتكب		Da (Export Trace
			Scree Imag
enter 3.555 GHz Res BW 1 MHz	#VBW 3 MHz	Span 20 MHz #Sweep 100 ms	
Channel Power	Power S	pectral Density	
6.21 dBm/	10 MHz	-3.79 dBm/MHz	
3		STATUS	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3635 MHz High power

Agilent Spectrum Analyzer - Channel Power	AC SENSE:INT	ALIGNAUTO	03:30:44 PM Apr 18, 2023	
ate Delay 3.6200 ms Gate: LO Input: RF	Center Freq: 3.635000000 GH	z R old: 10/10	adio Std: None	Gate
IFGain:Low	#Atten: 30 dB	<b></b>	adio Device: BTS	Gat On O
	100 Martin Construction Construction	GATE STOP		
20 MAN FAST				Gate Vie
70				<u>On</u> 0
	G		ep Time 10.0 ms	Gate Vie
dB/div Ref 0 dBm		Mkr1	3.63268 GHz -3.5759 dBm	Sweep Tim 10.0 m
20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Auron		
30				Gate Dela 3.6200 m
				6.327738482923
70				Gate Leng
90				3.7200 m
enter 3.635 GHz Res BW 1 MHz	#VBW 3 MHz		Span 20 MHz Sweep 100 ms	Gate Method
Channel Power				LO
Channel Power	Power Spec	trai Densit	y I	Mor
5.05 dBm/ 10 MH	iz –4	1.95 dBm	/MHz	1 of
3		STATUS		

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3560 MHz Low power

Agilent Spectrum Analyzer - Channel Power 50 Ω	AC SENSE:INT	ALIGNAUTO 03:36:04 PM Apr 18,	2023
ate Length 3.7000 ms Gate: LO Input: RF	Center Freq: 3.635000000 GHz	Radio Std: None Id: 10/10 Radio Device: BTS	Gate
IFGain:Low	#Atten: 30 db	Radio Device: D13	Ga
0 dB/div 09 Represe and to describe the second	anter and a survey and a survey of the second se	GATESTOP Province	
20 MINFAST 30 40 50 60 70 80 90			Gate Vie
			<u>on</u> c
	Ga	te View Sweep Time 10.0	ms Gate Vie
dB/div Ref 0 dBm		Mkr1 3.63262 G -6.5672 dE	Hz Sweep Tim
-10 -20	141	Marken	
			Gate Dela 3.6000 n
-50			-
-60			Gate Leng
-80			3.7000 n
enter 3.635 GHz Res BW 1 MHz	#VBW 3 MHz	Span 20 M #Sweep 100	
Channel Power	Power Spec	tral Density	LO
			Mo
2.03 dBm/ 10 M	/Hz -7	.97 dBm/MHz	1 of
G		STATUS	

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3560 MHz High power

💭 Agilent Sp	ectrum Analy	rzer - Swept S	5A											
₩ Marker 1		2000000			AC	SENSE			ALIGN Type: Pwr Iold: 10/10	(RMS)	TRAC	M Apr 18, 202	5	Marker
10 dB/div	Gate: LO Ref 20	Input: RF		): Fast in:Low		itten: 30 di		Avgin		5	1 3.567	72 GHz 99 dBm	s	electMarker 1 ▶
Log 10.0 0.00 -10.0			~			**			1 	-				Normal
-20.0 -30.0 -40.0														Delta
-50.0 -60.0 -70.0	- Kanada and									X	haha	and and an		Fixed⊳
Center 3. #Res BW	1.0 MHz	×	567 72		N	Y 2.599 dBn		NCTION	#Sw	-	100 ms (	0.00 MHz 1001 pts; in value		Off
2 N	1 f 1 f	3.	560 00	GHz	4	2.864 dBn 2.864 dBn 2.864 dBn	1 Band	d Power d Power	10.00 20.00			6.816 dBm 9.375 dBm		Properties►
7 8 9 10 11 12														More 1 of 2
MSG									4	STATUS				

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3640 MHz Low power

										ept SA	lyzer - Sv			ent Sp	Agi
Marker	TRACE 1 2 3 4 5 6 TYPE A WWWW		IN AUTO wr(RMS			ense:I	SE	A	GHz PNO: Fast		52000	ο Ω 632 te: LC	3.	(er	arl
Select Marke	6.907 dBm		1985	 			Atten: 30		IFGain:Lov		Inpu 0.00 dl			s/div	) dF
Norn				 		3			1						0.0 .00
De										1					.0
Fixe										<u>}</u>	×				.0 .0
	an 40.00 MHz ms (1001 pts) unction value	p 100	weep	 CTION	FUN		- Y	BW	VE	×		MH	1.0	er 3 8 BV	e
Propertie	2.489 dBm 5.060 dBm		00 MHz 00 MHz			Bm	-6.907 d -7.249 d -7.249 d		2 52 GHz 0 00 GHz 0 00 GHz	3.640				N	;
Мо 1 о															, 3 9 1
		บร	STATUS												3

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3640 MHz High power

				14222.01	15						The second	Analyzer -	trum A			100
Peak Search	M Apr 18, 2023 E 1 2 3 4 5 6 E A WWWWW	TRACE		ALIGN Type: Pwr old: 10/10			SENSE:	]	A	0 GHz		34560			rke	ı Ia
NextPea	56 GHz 56 dBm	3.634	/kr1		Avgin			Atten: 3	ast ↔ .ow	PNO: F IFGain:L	nput: RF	LO Ir 20.00	Gate:		dB/c	0 0
Next Rig					~~~~~		3		<b>●</b> <sup>1</sup>	~~~~~					0	0g
Next Le											1				0 — 0 —	0.0 0.0
Marker De		h										hah	~~~			0.0 0.0
Mkr→G	0.00 MHz 1001 pts)		-	#SW	CTION	FU		Y	/BW -		×	) GHz 1Hz	1.0 IV	BW 1	es I	R
Mkr→RefL	5.452 dBm 3.055 dBm			10.00 20.00	Power Power		dBm	-3.866 -4.488 -4.488	Iz	534 56 GH 540 00 GH 540 00 GH	3.6		f f f	1 1	Ň	1 2 3 4 5 6
<b>Мо</b> 1 от																7 8 9 0 1 2
			STATUS	4					ed to							G

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD 3690 MHz Low power

💭 Agilent Sp	ectrum Analy	yzer - Swept	SA										
Marker 3		000000			AC	SENSE:			ALIGN Type: Pwr	(RMS)	TRA	M Apr 18, 2023	6 Marker
10 dB/div	Gate: LO Ref 20	Input: RF	PNO: I IFGain	Fast ↔ :Low		Free Ru n: 30 dB	n	Avgin		Mkr	₀ 3 3.690	00 GHz 52 dBm	Select Marker
Log 10.0 0.00 -10.0			1	r~~ r~	v1-~1~	<b>•</b> <sup>3</sup>	1°~1	~~~	<u>د. م</u> لار				Norma
-20.0 -30.0 -40.0													Delta
-50.0 -60.0 -70.0										k			Fixed⊳
Center 3. #Res BW	1.0 MHz	: ×		VBW	Y	0 dBm	FUN	CTION	#SW		100 ms (	0.00 MHz 1001 pts) IN VALUE	
2 N	1 f 1 f	3.	690 00 G 690 00 G	Hz	-6.72	5 dBm 5 dBm		Power Power	10.00			2.913 dBm 5.452 dBm	
7 8 9 10 11 12													More 1 of 2
MSG										STATUS			

#### PSD Measurements Table LTE

		Raw	Raw	External	Conducted				EIRP 1 MHz	EIRP 10 MHz	Margin
Freq	1MHz EIRP limit (target) dBm	10 MHz	1 MHz	Losses (dB)	dBm/MHz	Antenna gain dBi	Ports	Port gain (dB)	dBm/MHz	dBm	dB
3555	20	6.21	-2.28	14.3	12.02	4.9	2	3.01	19.93	28.42	0.07
3555	17	3.29	-5.3	14.3	9	4.9	2	3.01	16.91	25.50	0.09
3635	20	5.05	-3.5	14.3	10.8	4.9	2	3.01	18.71	27.26	1.29
3635	17	2.03	-6.5	14.3	7.8	4.9	2	3.01	15.71	24.24	1.29
3695	20	5.32	-3.3	14.3	11	4.9	2	3.01	18.91	27.53	1.09
3695	17	2.29	-6.4	14.3	7.9	4.9	2	3.01	15.81	24.50	1.19

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## PSD Measurements Table NR

		Raw	Raw	External	Conducted				EIRP 1 MHz	EIRP 20 MHz	Margin
Freq	1MHz EIRP limit (target) dBm	20 MHz	1 MHz	Losses (dB)	dBm/MHz	Antenna gain dBi	Ports	Port gain (dB)	dBm/MHz	dBm	dB
3560	20	9.37	-2.5	14.3	11.8	4.9	2	3.01	19.71	31.58	0.29
3560	17	6.3	-5.4	14.3	8.9	4.9	2	3.01	16.81	28.51	0.19
3640	20	8.1	-3.8	14.3	10.5	4.9	2	3.01	18.41	30.31	1.59
3640	17	5	-6.9	14.3	7.4	4.9	2	3.01	15.31	27.21	1.69
3690	20	8.5	-3.2	14.3	11.1	4.9	2	3.01	19.01	30.71	0.99
3690	17	5.4	-6.1	14.3	8.2	4.9	2	3.01	16.11	27.61	0.89

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## WINNF Security Test Case Analysis

## WINNF.FT.C.SCS.1

## Packet Capture Sequence

		📃 Q Q Q 👖		
Apply a display filter <ctrl-></ctrl->				C
. Time	Source	Destination	Protocol Length Info	
1 2023-04-19 15:51:41.447098	10.10.3.13	10.10.3.84	TCP 74 37394 + 5001 [SYN] Seq=0 Win=29200 Len=0 MS=1460 SACK_PERM=1 TSval=2519354856 TSecr=0 WS=128	
2 2023-04-19 15:51:41.447919	10.10.3.84	10.10.3.13	TCP 74 5001 + 37394 [SYN, ACK] Seq=0 Ack=1 Min=28960 Len=0 MSS=1460 SACK_PERM=1 T5val=2519381368 TSecr=2519354856 WS=1	28
3 2023-04-19 15:51:41.447980	10.10.3.13	10.10.3.84	TCP 66 37394 → 5001 [ACK] Seq=1 Ack=1 Win=29312 Len=0 TSval=2519354857 TSecr=2519381368	
4 2023-04-19 15:51:41.448677	10.10.3.13	10.10.3.84	TLSv1.2 352 Client Hello	
5 2023-04-19 15:51:41.448988	10.10.3.84	10.10.3.13	TCP 66 5001 + 37394 [ACK] Seg=1 Ack=287 Win=30080 Len=0 TSval=2519381369 TSecr=2519354857	
6 2023-04-19 15:51:41.449183	10.10.3.84	10.10.3.13	TLSv1.2 3394 Server Hello, Certificate, Certificate Request, Server Hello Done	
7 2023-04-19 15:51:41.449198	10.10.3.13	10.10.3.84	TCP 66 37394 - 5001 [ACK] Seq-287 Ack=3329 Win=35968 Len=0 T5val=2519354858 T5ecr=2519381370	
8 2023-04-19 15:51:41.461363	10.10.3.13	10.10.3.84	TLSv1.2 3747 Certificate, Client Key Exchange, Certificate Verify	
9 2023-04-19 15:51:41.461417	10.10.3.13	10.10.3.84	TLSv1.2 117 Change Cipher Spec, Encrypted Handshake Message	
_ 2023-04-19 15:51:41.461989	10.10.3.84	10.10.3.13	TCP 66 5001 + 37394 [ACK] Seq=3329 Ack=3968 Win=37504 Len=0 TSval=2519381382 TSecr=2519354870	
- 2023-04-19 15:51:41.464212	10.10.3.84	10.10.3.13	TLSv1.2 117 Change Cipher Spec, Encrypted Handshake Message	
- 2023-04-19 15:51:41.466370	10,10.3.13	10.10.3.84	TLSv1.2 1637 Application Data	
_ 2023-04-19 15:51:41.466807	10.10.3.84	10.10.3.13	TCP 66 5001 + 37394 [ACK] Seg=3388 Ack+5598 kin+40576 Len+0 TSval+2519381387 TSecr+2519354875	
- 2023-04-19 15:51:41.570832	10.10.3.84	10.10.3.13	TLSv1.2 112 Application Data	
2023-04-19 15:51:41.610054	10.10.3.13	10.10.3.84	TCP 66 37394 + 5001 [ACK] Seg=5590 Ack=3426 kin=35968 Len=0 TSval=2519355019 TSecr=2519381491	
_ 2023-04-19 15:51:41.610447	10.10.3.84	10.10.3.13	TLSv1.2 556 Application Data,	lication Da
_ 2023-04-19 15:51:41.610480	10.10.3.13	10.10.3.84	TCP 66 37394 + 5001 [ACK] Seq+5590 Ack+3916 Win+38784 Len+0 TSval+2519355019 TSecr+2519381531	
- 2023-04-19 15:51:42.662353	10.10.3.13	10.10.3.84	TLSv1.2 1161 Application Data	
- 2023-04-19 15:51:42.664564	10.10.3.84	10.10.3.13	TL5v1.2 112 Application Data	
- 2023-04-19 15:51:42.664640	10.10.3.13	10.10.3.84	TCP 66 37394 + 5001 [ACK] Seg=6685 Ack=3962 Min=38784 Len=0 T5val=2519356073 TSecr=2519382585	
- 2023-04-19 15:51:42.664942	10.10.3.84	10.10.3.13	TLSv1.2 814 Application Data,	lication R

#### WINNF test requirements:

WINNF test requirements from WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification:

2	<ul> <li>Make sure that Mutual authentication happens between UUT and the SAS Test Harness.</li> <li>Make sure that UUT uses TLS v1.2</li> <li>Make sure that cipher suites from one of the following is selected,</li> <li>TLS_RSA_WITH_AES_128_GCM_SHA256</li> <li>TLS_RSA_WITH_AES_256_GCM_SHA384</li> <li>TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA2 56</li> <li>TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA3 84</li> <li>TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256</li> </ul>	PASS
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#### Analysis of WINNF Test Requirements

1. From Client Hello: TLS version = TLS 1.2

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

> Frame 4: 352 bytes on wire (2816 bits), 352 bytes captured (2816 bits)
> Ethernet II, Src: fa:16:3e:93:a7:2f (fa:16:3e:93:a7:2f), Dst: fa:16:3e:ef:5f:48 (fa:16:3e:ef:5f:48)
> Internet Protocol Version 4, Src: 10.10.3.13, Dst: 10.10.3.84
> Transmission Control Protocol, Src Port: 37394, Dst Port: 5001, Seq: 1, Ack: 1, Len: 286
✓ Transport Layer Security
✓ TLSV1.2 Record Layer: Handshake Protocol: Client Hello
Content Type: Handshake (22)
Version: TLS 1.2 (0x0303)
Length: 281
✓ Handshake Protocol: Client Hello
Handshake Type: Client Hello (1)
Length: 277
Version: TLS 1.2 (0x0303)
<ul> <li>Random: 1a84bce4a4a727de982799cca38fd39cc9274634e792bda04f4a897b743968ef</li> </ul>
Session ID Length: 0
Cipher Suites Length: 86
Cipher Suites (43 suites)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0x:02b)
Cipher Suite: TLS_ECOHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
Cipher Suite: TLS_ECOHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f)
Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3)
Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e)
Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024)
Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)
2. Cipher suite list from Client Hello is from WINNF approved
list:
Cipher Suites (43 suites)
Cipher Suite: TLS ECDHE ECDSA WITH AES 256 GCM SHA384 (0xc02c)
- 1
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02t)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02t) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 (GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 .GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256 .GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DS_WITH_AES_256 .GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0x00a9e) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 (GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256 (GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 .GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256 .GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x000e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xc023)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCB_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA384 (0xc023) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA256 (0xc027)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006b)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_266_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0x0023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0x0027) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x006a)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 .GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256 .GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256 .GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x0002) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0x002A) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256 .GEC_SHA384 (0xc02A) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 .GEC_SHA384 (0xc02A) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256 .GEC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256 .GEC_SHA256 (0x006a)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x000a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x0002) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc00b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc00c) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc00c) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc00c) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0xc00c) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x00a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GEC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GEC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCC_SHA384 (0xc023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GEC_SHA256 (0xc0023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GEC_SHA256 (0xc006) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GEC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GEC_SHA256 (0x0040) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc02e)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA256 (0x0023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0x0027) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_DHE_DSA_WITH_AES_128_CBC_SHA256 (0x0004) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_DHE_DSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_DHE_DSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384 (0xc032)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x0002) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006c) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_26C_CB_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0040) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc022)
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x00a2) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCS_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_2128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_2128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x007) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x007) Cipher Suite: TLS_DHE_DSS_WITH_AES_2128_CBC_SHA256 (0x0040) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA356 (0xc02d) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA356 (0xc02d) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA356 (0xc02d) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA356 (0xc02d) Cipher Suite: TLS_ECDH_R
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA256 (0xc006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x006ca) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH256 (0x006ca) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x006ca) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH256 (0x006ca) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH256 (0x006ca) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH256 (0x006ca) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH384 (0xc02e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH384 (0xc02e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH384 (0xc02e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_CBC_SH384 (0xc02e) Cipher Suite: TLS_ECDH_ECD
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_CBC_SHA256 (0x0007) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_CBC_SHA256 (0x00040) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc026) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc026) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc026) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc026) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA3284 (0xc026) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA3284 (0xc026) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA3284 (0xc026) Ciphe
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc031) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009c) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x002) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xc027) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_266_CBC_SHA256 (0x006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0040) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02e) Ciph
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Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DCHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc027) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_DSA_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCB_SHA384 (0xc022) Cipher Sui
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DCHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x009e) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc027) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_DSA_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0020) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCB_SHA384 (0xc022) Cipher Sui
Cipher Suite: TLS_ECDHE_BCDSA_WITH_AES_256_GCM_SHA354 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc02f) Cipher Suite: TLS_EDHE_RSA_WITH_AES_128_GCM_SHA384 (0xc02f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0xc02f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0xc00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0xc00e) Cipher Suite: TLS_DHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02f) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc02f) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc02f) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xc02f) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc02f) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA256 (0xc02f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc006a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xc006a) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0xc002f) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_CCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_CCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_CBC_SHA256 (0xc011) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_CBC_SHA384 (0xc026) Cipher Suite: TLS_ECDH_RSA_WITH_AES_286_CBC_SHA260 (0xc027) Cipher Suite: TLS_ECDH_RSA_WITH_AES_286_CBC_SHA260 (0xc026) Cipher Suite: TLS_ECDH_RSA_WITH_AES_286_CBC_SHA260 (0xc026) Cipher Suite: TLS_ECDH_RS
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0xc003) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_266_GCM_SHA384 (0x00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x00a) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc027) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GBC_SHA256 (0xc003) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GBC_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_CBC_SHA256 (0x0067) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA384 (0xc02e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA356 (0x0040) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA356 (0x0040) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA356 (0x002e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256 (0xc025) Cipher
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc02f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc00a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc00a) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc00pe) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc00pe) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0xc00pe) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc002) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCC_SHA256 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCC_SHA256 (0xc002) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCC_SHA256 (0xc006) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCC_SHA256 (0xc006) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCC_SHA256 (0xc006) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCC_SHA256 (0xc006) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCC_SHA256 (0xc007) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02e) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCB_SHA384 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCB_SHA256 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCB_SHA256 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCC_SHA256 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCB_SHA4 (0xc00a) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCB_SHA4 (0xc00a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_25
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc02t) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc03) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc03) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc00e) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc00e) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc00e) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc00e) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc021) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc002) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x006b) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc022) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_ECDSA_W
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0x:02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0x:003) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x:002f) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x:002f) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x:002e) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x:002e) Cipher Suite: TLS_DHE_DSS_WITH_AES_128_GCM_SHA256 (0x:002a) Cipher Suite: TLS_DHE_ECDSA_WITH_AES_256_GEC_SHA384 (0x:002a) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0x:028) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCC_SHA256 (0x:027) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x:006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x:006b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA256 (0x:006c) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA256 (0x:0067) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x:0023) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x:0023) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0x:022) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA384 (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384 (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384 (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA256 (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256_GCM_SHA (0x:02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_256
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA384 (0xc030) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0xc031) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0xc003) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0xc003) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0xc024) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc002) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc002) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xc023) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA256 (0xc027) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCB_SHA256 (0xc0027) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCB_SHA256 (0xc006) Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCM_SHA384 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCB_SHA256 (0xc03) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TLS_ECDH_RSA_WITH_AES_128_GCB_SHA384 (
Cipher Suite: TL5_ECDHE_ECDSA_WITH_AES_128_GCM_SHA384 (0xc030) Cipher Suite: TL5_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) Cipher Suite: TL5_DHE_RSA_WITH_AES_236_GCM_SHA384 (0xc0021) Cipher Suite: TL5_DHE_RSA_WITH_AES_236_GCM_SHA384 (0xc003) Cipher Suite: TL5_DHE_RSA_WITH_AES_236_GCM_SHA384 (0xc004) Cipher Suite: TL5_DHE_EDSS_WITH_AES_128_GCM_SHA3256 (0xc002) Cipher Suite: TL5_DHE_EDSS_WITH_AES_236_GCM_SHA384 (0xc024) Cipher Suite: TL5_DHE_EDSA_WITH_AES_236_GCB_SHA384 (0xc024) Cipher Suite: TL5_EDDHE_ECDSA_WITH_AES_236_GCB_SHA384 (0xc024) Cipher Suite: TL5_EDDHE_RSA_WITH_AES_236_GCB_SHA384 (0xc024) Cipher Suite: TL5_EDDHE_RSA_WITH_AES_128_GCB_SHA256 (0xc027) Cipher Suite: TL5_DHE_RSA_WITH_AES_236_GCB_SHA256 (0xc006) Cipher Suite: TL5_DHE_RSA_WITH_AES_236_GCB_SHA256 (0xc006) Cipher Suite: TL5_DHE_RSA_WITH_AES_128_GCB_SHA256 (0xc004) Cipher Suite: TL5_DHE_RSA_WITH_AES_128_GCB_SHA256 (0xc004) Cipher Suite: TL5_DHE_DEDSA_WITH_AES_128_GCB_SHA256 (0xc002) Cipher Suite: TL5_EDH_EDSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_EDH_RSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_EDH_RSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_EDH_RSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDH_RSA_WITH_AES_128_GCB_SHA3256 (0xc02) Cipher Suite: TL5_ECDH_ESA_WITH_AES_128_GCB_SHA326 (0xc02) Cipher Suite: TL5_ECDH_ESA_WITH_AES_128_GCB_SHA326 (0xc02) Cipher Suite: TL5_ECDH_RSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDH_ESA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDH_ESA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDH_ESA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDH_ESA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDH_ERSA_WITH_AES_128_GCB_SHA384 (0xc02) Cipher Suite: TL5_ECDHE_RSA_WITH_AES_128_GCB_S
Cipher Suite: TLS ECDHE ECDSA. WITH AES 128 GCM SHA256 (0xc02b) Cipher Suite: TLS ECDHE RSA_WITH AES 256 GCM SHA384 (0xc030) Cipher Suite: TLS DHE RSA_WITH AES 256 GCM SHA384 (0xc021) Cipher Suite: TLS DHE RSA_WITH AES 256 GCM SHA384 (0xc023) Cipher Suite: TLS DHE DSS, WITH AES 256 GCM SHA384 (0xc024) Cipher Suite: TLS DHE DSS WITH AES 128 GCM SHA384 (0xc024) Cipher Suite: TLS EDHE ECDSA_WITH AES 256 CBC SHA384 (0xc024) Cipher Suite: TLS EDHE ECDSA_WITH AES 256 CBC SHA384 (0xc023) Cipher Suite: TLS ECDHE ECDSA_WITH AES 256 CBC SHA384 (0xc023) Cipher Suite: TLS ECDHE ECDSA_WITH AES 256 CBC SHA256 (0xc023) Cipher Suite: TLS ECDHE ECDSA_WITH AES 128 CBC SHA256 (0xc023) Cipher Suite: TLS EDHE ECDSA_WITH AES 256 CBC SHA256 (0xc023) Cipher Suite: TLS DHE RSA_WITH AES 256 CBC SHA256 (0xc023) Cipher Suite: TLS DHE RSA_WITH AES 256 CBC SHA256 (0xc024) Cipher Suite: TLS DHE ECDSA_WITH AES 256 CBC SHA256 (0xc025) Cipher Suite: TLS DHE DSS WITH AES 256 CBC SHA256 (0xc026) Cipher Suite: TLS DHE DSS WITH AES 256 CBC SHA256 (0xc026) Cipher Suite: TLS DHE RSA_WITH AES 256 GCM SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 GCM SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA256 (0xc021) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA256 (0xc024) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA 256 (0xc025) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA (0xc03e) Cipher Suite: TLS ECDH ECDSA_WITH AES 256 CBC SHA (0xc03e) Cipher Suite: TLS ECDHE ECDSA_WITH AES 256 CBC SHA (0xc03e) Cipher Suite: TLS ECDHE ECDSA_WITH AES 256 CBC SHA (0xc03e) Cipher Suite: TLS ECDHE ECDSA_WITH AES 256 CBC SHA (0xc03f) Cipher Suite: TLS ECDHE ECDSA_WITH AES 256 CBC SHA (0xc03f) Cip
Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA384 (0xc030) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0xc00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0xc00a) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0xc02a) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0xc02a) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA256 (0xc02a) Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCB_SHA256 (0xc02a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCB_SHA256 (0xc02a) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCB_SHA256 (0xc06b) Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCB_SHA256 (0xc06c) Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_DHE_EDSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA384 (0xc02a) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA256 (0xc023) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA256 (0xc023) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA256 (0xc023) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA256 (0xc025) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA256 (0xc025) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA256 (0xc025) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA260 (0xc004) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA260 (0xc005) Cipher Suite: TLS_ECDH_ECDSA_WITH_AES_256_GCB_SHA260 (0xc005
Cipher Suite: TL5 ECDHE ECDSA. WITH AES 128 GCM SHA256 (0xc02b) Cipher Suite: TL5 ECDHE RSA_WITH AES 256 GCM SHA384 (0xc030) Cipher Suite: TL5 DHE RSA_WITH AES 256 GCM SHA384 (0xc02f) Cipher Suite: TL5 DHE RSA_WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 DHE DSS, WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 DHE DSS, WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 DHE FCDSA_WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 ECDHE ECDSA_WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TL5 ECDHE ECDSA_WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TL5 ECDHE ECDSA_WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TL5 ECDHE ECDSA_WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 ECDHE ECDSA_WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 DHE ECDSA_WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 DHE ECDSA_WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 DHE ECDSA_WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 DHE BSS WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 DHE DSS WITH AES 256 CBC SHA356 (0xc02a) Cipher Suite: TL5 DHE RSA_WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 DHE DSS WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 ECDH ECDSA_WITH AES 256 GCM SHA384 (0xc02a) Cipher Suite: TL5 ECDH ECDSA_WITH AES 256 CBC SHA3584 (0xc02a) Cipher Suite: TL5 ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TL5 ECDH ECDSA_WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA384 (0xc02b) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA358 (0xc02a) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA 256 (0xc02b) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA 256 (0xc02b) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA (0xc00a) Cipher Suite: TL5 ECDH ENDSA_WITH AES 256 CBC SHA (0xc00a) Cipher Suite: TL5 ECDHE ENDSA_WITH AES 256 CBC SHA (0xc00a) Cipher Suite: TL5 ECDHE ENDSA_WITH AES 256 CBC SHA (0xc00b) Cipher Suite: TL5 ECDHE ENDSA_WITH AES 256 CBC SHA (0xc00

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

Cipher Suite: TLS\_RSA\_WITH\_AES\_256\_CBC\_SHA256 (0x003d) Cipher Suite: TLS\_RSA\_WITH\_AES\_128\_CBC\_SHA256 (0x003c) Cipher Suite: TLS\_RSA\_WITH\_AES\_256\_CBC\_SHA (0x0035) Cipher Suite: TLS\_RSA\_WITH\_AES\_128\_CBC\_SHA (0x002f) Cipher Suite: TLS\_EMPTY\_RENEGOTIATION\_INFO\_SCSV (0x00ff)

#### 3. Cipher suite chosen (from Server Hello): TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0x009d)

>	Frame 6: 3394 bytes on wire (27152 bits), 3394 bytes captured (27152 bits)
>	Ethernet II, Src: fa:16:3e:ef:5f:48 (fa:16:3e:ef:5f:48), Dst: fa:16:3e:93:a7:2f (fa:16:3e:93:a7:2f)
>	Internet Protocol Version 4, Src: 10.10.3.84, Dst: 10.10.3.13
>	Transmission Control Protocol, Src Port: 5001, Dst Port: 37394, Seq: 1, Ack: 287, Len: 3328
~	Transport Layer Security
	<ul> <li>TLSv1.2 Record Layer: Handshake Protocol: Server Hello Content Type: Handshake (22) Version: TLS 1.2 (0x0303) Length: 81</li> <li>Handshake Protocol: Server Hello Handshake Type: Server Hello (2) Length: 77 Version: TLS 1.2 (0x0303)</li> <li>&gt; Random: 8e480c20290a3712e457f7e8274b28085cb6c05b7055b82e5a7a8d9f58901b58</li> </ul>
	<pre>&gt; Kandom: Se480c20c3903712e45717e8274028065C06c05D7055B82e5a7a809756901D58 Session ID: ed571d9a5e764d2b85420f0559335e0199daaafee3b7bca62c0f9848c8d0ca3c Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d) Compression Method: null (0) Extensions Length: 5 &gt; Extension: renegotiation_info (len=1) [JA3S Fullstring: 771,157,65281]</pre>
	[JA35: f75082535b4a79c07b31bdd0e2b7eb87]

4. The Registration request message arrived at the Test Harness, authentication was completed.

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## WINNF.FT.C.SCS.2

## Packet Capture Sequence

Time	Source	Destination	Protocol	angh Juli
3448 6.887656	10.18.0.61	10.10.0.124	71,5v1.2	195 Client Hello
3441 6.807328	10.10.0.124	10.10.0.61	TCP	66 5000 × 55972 [ACK] Seg+1 Ack+130 u[n+15104 Len+0 T5val+1139282096 T5ecr+1548649185
3442 6.007561	10.10.0.124	18.18.0.61		2002 Server Hello
3443 6.007571	10.16.0.61	10.10.0.124	TCP	66 55972 + 5000 [ACX] Seq=130 Ack+2707 Min+16896 Len+0 T5val+1540649185 T5ecr+1139282096
3444 6.887581	18.10.0.124	18,18.0.61	TLSv1.2	416 Certificate, Certificate Request, Server Hello Done
3445 6.887585	10.10.0.61	10.10.0.124	TCP	68 55972 + 5000 [ACX] Seq-130 Ack-3147 Min-19712 Len+0 TSvkl+1540640185 TSecr+119282096
3446 6.821453	11ffff110.10.0.58	ff02::ef01:287	UDP	194 58178 + 58571 Level32
3887 6.828958	18.10.0.01	10,18.0.124	TOP	14 42152 + 8209 (19%) Seper Workstee Level Miskale SACK_PRIMI Truel-(Seperate) Truel-(Seperate) William
3448 8,825252	19,10,8,124	18.38.8.55	TOP	34 8188 - 42952 [576, ACK] Seper Arton also real real-1418 (ACK 2018-1 Final-1199282114 Fiero-154864828) w5-128
3448 6.825278 3458 6.827794	10,10,0.61	10.10.0.124	TOP	66 42352 + 8108 (ACK) Seq-1 Ack-1 Min-14208 Len-0 TSval-1540649209 TSec7-1199282114 326 42352 + 8100 (PSH, ACK) Seq-1 Ack-1 Min-14208 Len-200 TSval-1540649209 TSec7-1199282114 [TCP segment of a rescentied PDU]
3451 6.827836	38.38.6.61	10.10.0.124	OCS#	The second state from the leads what what we are the state to an and the second state to a second state and the
3452 6.828845	10.10.0.124	10.10.0.61	TOP	66 8100 + 42352 [AOC] Seq-1 Ack-261 Min-15104 Len+0 TSval-1139282117 TSecr-1540649205
3453 0.828959	10.10.0.124	10.10.0.61	TCP	66 6180 + 42752 [ACX] Seq-1 Ack+337 Min-15104 Len-0 TSval-1170252117 TSec-1546640205
3454 6.831897	10.10.0.61	10.20.0.63	TOP	65 59578 - 9200 [ACX] Seq-14359 Ack-11418 Min-582 Len-8 TSval-1588548218 TSecr-1547315566
3455 6.843731	10,10.0.324	10.10.01	005#	2498 Response
3456 6.843749	10.10.0.61	10.10.0.124	TCP	66 42352 + 6100 [ACK] 50q-537 Ack+2433 Min-16896 Len-0 T5val-1540649221 T5ecr+1139282132
3457 6.844618	18.18.9.41	10.10.0.124	10	66 42152 + 8100 [FIN, ACK] Sep-557 Ack-2433 kD-41006 Lands [Sys1-1540645222 [Sec-4119202153
3452 0.244603	18.10.0.124	18,18.0.01	TOP	66 2100 + 42552 [F10, 404] Sep-2433 403-337 Min-15104 Lan-0 Theat-1139222133 Theo-1540640221
3458 6.844679	10.10.0.61	10.10.0.124	TCP	66 42352 + 6180 {ACK} Seq+338 Ack+2434 Min+16896 Len+8 T5/wl+1548648222 T5ech+1139282133
3460 6.044833	10.10.0.124	18.10.0.61	TCP	66 8100 + 42353 (ACK) Seq=2434 Ack=130 Min=15104 Len+0 T5vgl=1139282133 T5ec==15406482222
3461 6.852559	10.10.0.61	10.10.0.124	TLSv1.2	73 Alert (sevel: Fatal, Description: Certificate Unknown)
3442 6.233030	10.10.0.61	10.10.0.134	TCH	68 55972 + 5000 [F[N, ACK] Seq=117 Ack=1147 Min=19713 Lense Timal=1548649211 Timor=1199202000
3463 6.853245	10.18.0.124	10.10.0.61	TOP	66 5000 + 30072 (FUN, ACX) Sep-3147 Ack-138 Win-15184 (An-# TS-m)-139202342 TSec+-1540488238
3464 6.053258 3465 6.057648	10.10.0.61 10.10.0.61	18.10.0.124	HTTP	66 55972 + 5888 (ACX) Seq-138 Ack-3148 Win-19713 Lenve TSval-1548649271 TSecr-1159282142 713 POST / Juli27 HTTP/1.1 (text/json)
3466 6.851923	10.10.0.01	10.10.0.63	HTTP/3_	-723 MOST /_Bwik/ HTM/1.3 (Rext/json) 567 HTM/1.1 200 OK , JavaScript Object Notation (epplication/json)
3467 4.861939	10.10.0.41	18.18.8.43	TOP	64 50714 - 5200 (AC) 5ee-15006 Ackel1051 Min-902 (and Tuni-154040923) Tsecr-1547315434
3468 8.876681	117777110.10.0.62	ff02::ef01:535	100	101 0212 + 02155 (merilia)
	10.10.0.61	10.10.0.63	TOP	225 98759 + 1000 [P34, 40X] Seq-15006 Ack+11075 Min-502 Lan-140 TSval+1580640273 TSecr-1547315636 [TCP segment of a reasonabled PDU]
		19,10.0.61	HTTP	\$1.0179/1.1.100 Continue
3469 6.095589				And along the first of seven a transmission and an internation of any seven the transmission term
1478 6.896317 rate 3455: 2498	10.19.0.63 			i alta)
1478 6.896317 rame 3455: 2488 thernet II, Srci starmet Protocol ramatission Cont ypertext Transfe	bytes on wire (19904 b faibile:41:faib (fa Version 4, Src: 10.10 rel Protocol, Src Port r Protocol	its), 2498 bytes cap :18:3e:41:fa:8b), Os .0.124, Ost: 10.10.0	t: fai16:3e) .41	naks) J27Jobier (faldkier2Dobier)
3478 6.006117 rame 3455: 2498 thermet II, Src: Aternet Protocol genetation Cont vportact Transfe hilse Certificat responseBytes ResponseType	bytes on wire (19984 b facilitize-041/facility (fa version 4, Sec: 10-30 ral Protocol, Sec Part = Protocol, Sec Part = Status Protocol = successful (0) = 1d: 1.3.4.1.5.5.7.48	ita), 3498 bytes cag 18.3e:41:14:80), 0s 40.124, Oat: 10.10.0 : 8100, Oat Port: 42	t: fail6:3e .43 252, Seq: 1,	naks) J27Jobies (faldkies2Jobies)
JATR 6. 201117 rest 3455: 2464 thermet II, Sec internet Protocol resultation Cont responsibilities responsibilities responsibilities v Italianscriptes Responscriptes Responscriptes V Italianspon i respon protocol protocol protocol responses i respon protocol protocol respon protocol respon resp	hybes on wire (19964 is fraits-te-editarille (fa Version 4, Sec: 18:30 e Notocol, Sec Port e Protocol e Status Protocol	<pre>iti.), 3408 bytes cap iti.3e.41.fa(Bb), 05 08.124, 0511 18.18.0 0.124, 0511 18.18.0 1.1260, Ost Port: 42 1.1 (1d-p43x-ocup-5</pre>	t: fail6:3e .43 252, Seq: 1,	naks) J27Jobies (fauldice:Diobies)
JACR 8. 699117 rane 3455: 2498 themet 11, Src internet Protocol inselation Cont yestiad. Transfi responsibilite responsibilite Responsibilite V Balacotificat responsibilite v Sala v respon v Sala v Sala v	hybra on skre (12994 b fraibi-te-strainb (fa werskin 4, Serci 18, 39 in Invatoral, Serc 194, 39 e Status Prostocol r successful (8) e Status Prostocol r successful (8) e Status Prostocol r successful (8) e Status Prostocol e Status Prostocol e Status Prostocol second seco	(11), 2008 bytes cap ide/sec474/00), do .0.124, bott 10.104, do .0.124, bott 10.104, do .1.1 (14-pkSx-ocup-b risk (uTC)	t: fail6:3e .43 252, Seq: 1,	naks) J27Jobies (faldkies2Jobies)
JACR 8. 699117 rane 3455: 2498 themet 11, Src internet Protocol inselation Cont yestiad. Transfi responsibilite responsibilite Responsibilite V Balacotificat responsibilite v Sala v respon v Sala v Sala v	hybris on wire (2004 b fails in-elification (rig Werslin et al. Secti Bails in Protocol. Status Postocol. Status Postocol. e accessful. (8) e accessf	<pre>tta), 2488 bytes cap isticeduffs(00), 00 devices actas, but isday, 00 devices actas, but isday, 00 device 42 i.1 (14-phin-scap-b risk (UT() ) ),14.7,2.76 (1984-1) ),14.7,2.76 (1984-1)</pre>	t: faild:3e .45 252, Seq: 1, mllc)	1.883) 37.996er (fe:35.9e:17.96.ee) 
JACR 6. 499337 rate 34531 2460 thermet II, Soci transfitsion cont transfitsion cont transfitsion cont transfitsion cont transfitsion cont transfitsion responset/transfit * responset/transfit * responset/transf	types on wire (2004 is full biel (1-hile) (A full biel (1-hile) (A full biel (1-hile) (A full biel (1-hile)) (A full biel (1-hile)) (A full (1-hile)) (A fu	<ul> <li>(t1), 2469 bytes cap 181.54.81/fa(00), 26.84, 8-124, but 10, 18, 84, 8-124, but 10, 18, 84, 11, 10, 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19</li></ul>	t: faild:3e .45 252, Seq: 1, mllc)	1.883) 37.996er (fe:35.9e:17.96.ee) 
Inter 6. 199312 rate 3453: 2466 thermet II, Soci rated Sister of Protocol rated Sister of Protocol rated Sister of Protocol response/pro- * rated Sister of Protocol * sister of	<pre>bits on user (1988 b following the (1988 b following the (1988 b weaking the (1988 b in Protocol status) for Particul Status Protocol status Protocol to incredibility (1988 b following the (1988 b following the (1988 b following the (1988 b) following the (1988 b) follo</pre>	<ul> <li>(t1), 2469 bytes cap 181.54.81/fa(00), 26.84, 8-124, but 10, 18, 84, 8-124, but 10, 18, 84, 11, 10, 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19</li></ul>	t: faild:3e .45 252, Seq: 1, mllc)	1.883) 37.996er (fe:35.9e:17.96.ee) 
Inter 6. 199312 rate 3453: 2466 thermet II, Soci rated Sister of Protocol rated Sister of Protocol rated Sister of Protocol response/pro- * rated Sister of Protocol * sister of	<pre>test on sets (1999 b types on sets (1999 b types) fstatistocalisticistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistic fstatistic (types) fstatistic fstatistic</pre>	<pre>tti), 2409 bytes cap litisekulfa(B), 50, 4, 4,124, but 10, 50, 4, 4,124, but 10, 50, 4, 11,11 (14-pkin-ocup-1 1,14 (UTC)) ),14,3,7,35 (USG-1)) ),14,3,7,35 (USG-1) ),14,3,7,35 (USG-1) ),14,3,7,55 (USG-1) ),14,3,7,55 (USG-1) ),14,3,7,55 (USG-1</pre>	t: failsite 441 952, Seg: 1, 951c) enic) ccba4c4edfN 1547e5cd6eef	1.883) 37.996er (fe:35.9e:17.96.ee) 
1608 6.09837 rate 3655: 2498 therest fly Sec transition Cont responsibilities (responsibilities (responsibilities (responsibilities (responsibilities (responsibilities (responsibilities (responsibilities) (responsibilities	<pre>intervention for the second resting (c) for the local resting (c) resting 4, Second resting (c) resting 4, Second resting (c) status Protocol status Protocol status Protocol status Protocol status (c) status Protocol status (c) status Protocol status (c) status (c) stat</pre>	<pre>tts), 2409 bytes cap 151:5=414.fs:00, 0.46 #.124, bet:0, 0.46 #.124, bet:0, 0.46 #.11 (164-pkie-ecsp-b rise (UPE) ),14.3,2,36 (D94-1) 3,14.3,2,36 (D94-1) 7,144 (UPE) 3,14.3,2,36 (D94-1) 7,144 (UPE) 3,14.3,25 (D94-1) 7,144 (UPE) 3,14.3,145 (D94-1) 7,144 (UPE) 3,14.3,145 (D94-1) 7,144 (UPE) 3,144 (UPE) 3,1</pre>	t: failsite 441 952, Seg: 1, 951c) enic) ccba4c4edfN 1547e5cd6eef	1.883) 37.996er (fe:35.9e:17.96.ee) 
nette 4.99532 rane 3455: 2498 Ubernet 17, Sec rannatister Content responsettation responsettation responsettation y fassicologian y fassicolog	<pre>test on sets (1999 b types on sets (1999 b types) fstatistocalisticistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistocalistic (types) fstatistic fstatistic (types) fstatistic fstatistic</pre>	<pre>tti), 2488 bytes cap lit.b.e.kl/splits, 0, 0, 4.124, 541, 54, 10, 0, 0, 4.124, 541, 54, 10, 0, 0, 1.11 (16*, pkix-ecup-b rise (UPC) ) ), 1.45, 72, 75 (1984-1) 02145/2244/2508454 0490453, Var/Forf 2006457, 42, 20164544 0490453, Var/Forf 201657, 0, 42, 21, 19(9), (1), 345, 72, 14 (UPC), (1), 345, 72, 72, 72, 72, 72, 72, 72, 72, 72, 72</pre>	t: failsite 441 952, Seg: 1, 951c) enic) ccba4c4edfN 1547e5cd6eef	1.883) 37.996er (fe:35.9e:17.96.ee) 

#### Requirements:

WINNF test requirements from WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification:

2	<ul> <li>Make sure that UUT uses TLS v1.2 for security establishment.</li> <li>Make sure UUT selects the correct cipher suite.</li> <li>UUT shall use CRL or OCSP to verify the validity of the server certificate.</li> </ul>	PASS	FAIL
	• Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness.		

Analysis of WINNF Test Requirements

1. From Client Hello can read: TLS version = TLS 1.2

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

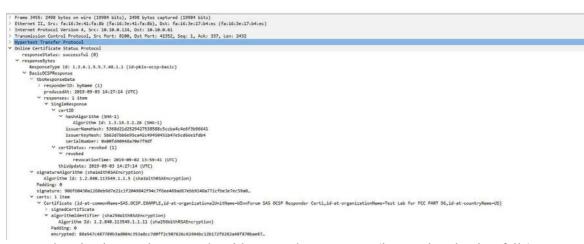
> Frame 3442: 2862 bytes on wire (22896 bits), 2862 bytes captured (22896 bits) Ethernet II, Src: fa:16:3e:41:fa:8b (fa:16:3e:41:fa:8b), Dst: fa:16:3e:17:b4:ec (fa:16:3e:17:b4:ec) ) Internet Protocol Version 4, Src: 10.10.0.124, Dst: 10.10.0.61 > Transmission Control Protocol, Src Port: 5000, Dst Port: 55972, Seq: 1, Ack: 130, Len: 2796 ✓ Transport Layer Security ✓ TLSv1.2 Record Layer: Handshake Protocol: Server Hello Content Type: Handshake (22) Version: TLS 1.2 (0x0303) Length: 81 ✓ Handshake Protocol: Server Hello Handshake Type: Server Hello (2) Length: 77 Version: TLS 1.2 (0x0303) > Random: 5d6e7842d84d8cbfc7078fe9e913fcf7eb0fe3354f54f192c27204d2031e9aae Session ID Length: 32 Session ID: e50dd1e43d8d5028f12ae61800ad52ffd4fe63dce8630ea523a1fd33b4cc72a4 Cipher Suite: TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0x009c) Compression Method: null (0) Extensions Length: 5 > Extension: renegotiation\_info (len=1)

2. From Client Hello, cipher suite list is from WINNF approved list:

TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA25 TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_GCM\_SHA256 TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256

3. From Server Hello, cipher suite chosen:

TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA256 4. Read OSCP Request/Response to/from server:



5. Authentication exchange ends with TLS Alert message (i.e. Authentication fails):

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

	Frame 3461: 73 bytes on wire (584 bits), 73 bytes captured (584 bits)
>	Ethernet II, Src: fa:16:3e:17:b4:ec (fa:16:3e:17:b4:ec), Dst: fa:16:3e:41:fa:8b (fa:16:3e:41:fa:8b)
>	Internet Protocol Version 4, Src: 10.10.0.61, Dst: 10.10.0.124
>	Transmission Control Protocol, Src Port: 55972, Dst Port: 5000, Seq: 130, Ack: 3147, Len: 7
~	Transport Layer Security
	TLSv1.2 Record Layer: Alert (Level: Fatal, Description: Certificate Unknown) Content Type: Alert (21)
	Version: TLS 1.2 (0x0303)
	Length: 2
	Alert Message Level: Fatal (2)
	Description: Certificate Unknown (46)

6. Registration request message is not received at Test Harness (authentication fails)

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

#### WINNF.FT.C.SCS.3

#### Packet Capture Sequence

Apply a display filter <ctrl-></ctrl->					1
o. Time	Source	Destination	Protocol	Length Info	
1 2023-04-19 15:32:50.117356	10.10.3.13	10.10.3.84	TCP	74 37080 + 5001 [5YN] Seq=0 Win=29200 Len+0 PSS=1460 SACK_PERM=1 TSval=2518223526 TSecr=0 WS=128	
2 2023-04-19 15:32:50.118374	10.10.3.84	10.10.3.13	TCP	74 5001 + 37000 [57N, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM=1 TSval=2518250038 TSecr=2518223526 WS=128	
3 2023-04-19 15:32:50.118430	10.10.3.13	10.10.3.84	TCP	66 37000 + 5001 [ACK] Seq=1 Ack=1 Win=29312 Len=0 T5val=2518223527 TSecr=2518250038	
4 2023-04-19 15:32:50,118807	10.10.3.13	10.10.3.84	TLSv1.2	352 Client Hello	
5 2023-04-19 15:32:50.119096	10.10.3.84	10.10.3.13	TCP	66 5001 + 37000 [ACK] Seq=1 Ack=287 Win=30080 Len=0 TSval=2518250040 TSecr=2518223527	
6 2023-04-19 15:32:50.119471	10.10.3.84	10.10.3.13	TLSv1.2	3398 Server Hello, Certificate, Certificate Request, Server Hello Done	
7 2023-04-19 15:32:50.119491	10.10.3.13	10.10.3.84	TCP	66 37000 + 5001 [ACK] Seq=207 Ack=3333 Win=35968 Len=0 TSval=2510223528 TSecr=2510250040	
8 2023-04-19 15:32:50.125034	10.10.3.13	10.10.3.84	TLSv1.2	73 Alert (Level: Fatal, Description: Certificate Unknown)	
9 2023-04-19 15:32:50.125638	10.20.3.84	10.10.3.13	TCP	66 5001 + 37000 [FIN, ACK] Seq=3333 Ack=294 Win=30000 Len=0 TSval=2518250046 T5ecr=2518223534	
- 2023-04-19 15:32:50.129209	10.10.3.13	10.10.3.84	TCP	66 37000 + 5001 [FIN, ACK] Seq=294 Ack=3334 Win=35968 Len=0 TSval=2518223538 TSecr=2518250046	
2023-04-19 15:32:50.129497	10.10.3.54	10.10.3.13	TCP	66 5001 + 37000 [ACK] Seq=3334 Ack=295 Win=30000 Len=0 TSval=2518250050 TSecr=2518223538	
Frame 4: 352 bytes on wire (28 thernet II, Src: failsiel3): Internet Protocol Version 4, S Transmission Control Protocol, / Transport Layer Security ♥ TLSV1.2 Record Layer: Handshäte Content Type: Handshäte Version: TLS 1.2 (0x988) Length: 281 > Handshäke Protocol: Clie	a7:2f (fa:16:3e:93 rc: 10.10.3.13, Ds Src Port: 37000, hake Protocol: Cli (22)	:a7:2f), Dst: fa:16:3 t: 10.10.3.84 Dst Port: 5001, Seq:	le:ef:5f:48 (fa		

#### WINNF Test Requirements:

WINNF test requirements from WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification:

- Make sure that UUT uses TLS v1.2 for security establishment.
- Make sure UUT selects the correct cipher suite.
  UUT shall use CRL or OCSP to verify the validity of the server certificate.
  Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness.

#### Analysis of WINNF Test Requirements

- 1. From Client Hello can read: TLS version = TLS 1.2
- > Frame 4: 352 bytes on wire (2816 bits), 352 bytes captured (2816 bits) > Ethernet II, Src: fa:16:3e:93:a7:2f (fa:16:3e:93:a7:2f), Dst: fa:16:3e:ef:5f:48 (fa:16:3e:ef:5f:48) > Internet Protocol Version 4, Src: 10.10.3.13, Dst: 10.10.3.84 > Transmission Control Protocol, Src Port: 37000, Dst Port: 5001, Seq: 1, Ack: 1, Len: 286 ✓ Transport Layer Security ✓ TLSv1.2 Record Layer: Handshake Protocol: Client Hello Content Type: Handshake (22) Version: TLS 1.2 (0x0303) Length: 281 ✓ Handshake Protocol: Client Hello Handshake Type: Client Hello (1) Length: 277 Version: TLS 1.2 (0x0303) > Random: 734bb6852eb13f2da0dd50ce3be46fa58c1bc0fcfbb5595658db6ea7e100df75 Session ID Length: 0 Cipher Suites Length: 86 ✓ Cipher Suites (43 suites) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_256\_GCM\_SHA384 (0xc02c) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc02b) Cipher Suite: TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xc030)

2. From Client Hello, cipher suite list is from WINNF approved list:

#### Cipher Suites

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

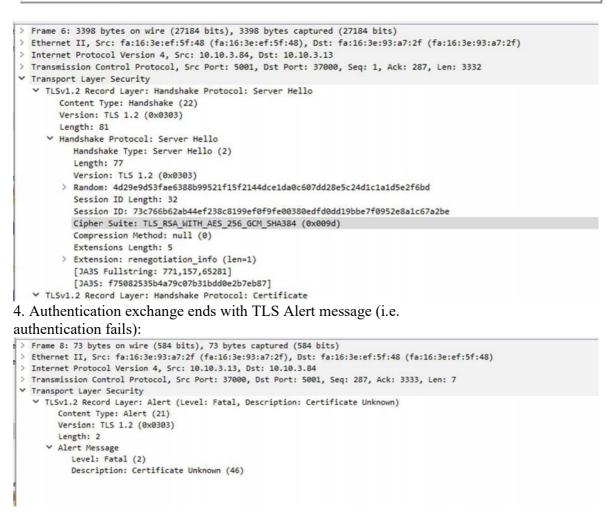
Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc02d) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc031) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_256\_CBC\_SHA384 (0xc026) Cipher Suite: TLS ECDH RSA WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_CBC\_SHA256 (0xc025) Cipher Suite: TLS ECDH RSA WITH AES 128 CBC SHA256 (0xc029) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_256\_CBC\_SHA (0xc00a) Cipher Suite: TLS ECDHE RSA WITH AES 256 CBC SHA (0xc014) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_CBC\_SHA (0xc009) Cipher Suite: TLS\_ECDHE\_RSA\_WITH\_AES\_128\_CBC\_SHA (0xc013) Cipher Suite: TLS\_DHE\_RSA\_WITH\_AES\_256\_CBC\_SHA (0x0039) Cipher Suite: TLS\_DHE\_DSS\_WITH\_AES\_256\_CBC\_SHA (0x0038) Cipher Suite: TLS DHE RSA WITH AES 128 CBC SHA (0x0033) Cipher Suite: TLS\_DHE\_DSS\_WITH\_AES\_128\_CBC\_SHA (0x0032) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_256\_CBC\_SHA (0xc005) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_256\_CBC\_SHA (0xc00f) Cipher Suite: TLS ECDH ECDSA WITH AES 128 CBC SHA (0xc004) Cipher Suite: TLS ECDH RSA WITH AES 128 CBC SHA (0xc00e) Cipher Suite: TLS RSA WITH AES 256 GCM SHA384 (0x009d) Cipher Suite: TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0x009c)

3. From Server Hello, cipher suite chosen:

TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0x009d)

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada



5. Registration request message is not received at Test Harness (Authentication fails)

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				-

Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## WINNF.FT.C.SCS.4

## Packet Capture Sequence

Apply a display filter				
o. Time	Source	Destnation	Protocol	Length Shfo
1 2023-04-19 15:36:25.256980	10.10.3.13	18.10.3.84	TCP	74 37066 + 5001 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK PERM=1 TSval=2518438665 TSecr=0 WS=128
2 2023-04-19 15:36:25.257911	10.10.3.84	10.10.3.13	TCP	74 5001 + 37086 [SYN, ACK] Seq+0 Ack+1 Win+28960 Len+0 MSS+1460 SACK_PERM+1 TSval+2518465178 TSecr+2518438665 WS+128
3 2023-04-19 15:36:25.257959	10.10.3.13	10.10.3.84	TCP	66 37086 + 5001 [ACK] Seq=1 Ack=1 Win=29312 Len=0 TSval=2518438666 TSecr=2518465178
4 2023-04-19 15:36:25.260181	10.10.3.13	10.10.3.84	TLSv1.2	352 Client Hello
5 2023-04-19 15:36:25.260576	10.10.3.84	10.10.3.13	TCP	66 5001 + 37086 [ACK] Seg=1 Ack=287 Win=30080 Len=0 TSval=2518465181 TSecr=2518438669
6 2023-04-19 15:36:25.260750	10.10.3.84	10.10.3.13	TLSv1.2	3389 Server Hello, Certificate, Certificate Request, Server Hello Done
7 2023-04-19 15:36:25.260769	10.10.3.13	10.10.3.84	TCP	66 37086 + 5001 [ACK] Seg=287 Ack=3324 Win=35968 Len=0 T5val=2518438669 T5ecr=2518465181
8 2023-04-19 15:36:25.292004	10.10.3.13	10.10.3.84	TLSv1.2	73 Alert (Level: Fatal, Description: Certificate Unknown)
9 2023-04-19 15:36:25.292623	10.10.3.84	10.10.3.13	TCP	66 5001 + 37086 [fIN, ACK] Seg=3324 Ack=294 Win=30000 Len=0 TSval=2518465213 TSecr=2518438701
- 2023-04-19 15:36:25.295166	10.10.3.13	18.10.3.84	TCP	66 37086 + 5001 [FIN, ACK] Seg+294 Ack+3325 Win+35968 Len+0 TSval+2518438704 TSecr+2518465213
- 2023-04-19 15:36:25.295557	10.10.3.84	10.10.3.13	TCP	66 5001 + 37085 [ACK] Seq=3325 Ack=295 Win=30080 Len=0 T5val=2518465216 T5ecr=2518438704
Frame 4: 352 bytes on wire (28 Ethernet II, Srci fail63/ei93): Internet Protocol Version 4, 5 Transmission Control Protocol, Transport Layer Security ~ TLSv1.2 Record Layer: Hands Content Type: Handshake Version: TLS 1.2 (Bx8303 Length: 281	a7:2f (fa:16:3e:93 rc: 10.10.3.13, Ds Src Port: 37086, hake Protocol: Cli (22)	:a7:2f), Dst: fa:16:3 t: 10.10.3.84 Dst Port: 5001, Seq: :	e:ef:5f:48 (fa	
VINNF Test R	Hallo (1)	ents:		

		CDSD	T ODC OP
2	<ul> <li>Make sure that UUT uses TLS v1.2 for security establishment.</li> <li>Make sure UUT selects the correct cipher suite.</li> <li>UUT shall use CRL or OCSP to verify the validity of the server</li> </ul>	PASS	FAIL
	<ul> <li>certificate.</li> <li>Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness.</li> </ul>		

## Analysis of WINNF Test Requirements

## 1. From Client Hello can read: TLS version = TLS 1.2

>	Frame 4: 352 bytes on wire (2816 bits), 352 bytes captured (2816 bits)
>	Ethernet II, Src: fa:16:3e:93:a7:2f (fa:16:3e:93:a7:2f), Dst: fa:16:3e:ef:5f:48 (fa:16:3e:ef:5f:48)
	Internet Protocol Version 4, Src: 10.10.3.13, Dst: 10.10.3.84
>	Transmission Control Protocol, Src Port: 37086, Dst Port: 5001, Seq: 1, Ack: 1, Len: 286
×	Transport Layer Security
	✓ TLSv1.2 Record Layer: Handshake Protocol: Client Hello
	Content Type: Handshake (22)
	Version: TLS 1.2 (0x0303)
	Length: 281
	✓ Handshake Protocol: Client Hello
	Handshake Type: Client Hello (1)
	Length: 277
	Version: TLS 1.2 (0x0303)
	Random: bb6432a25e82194bd7c09e7f2a44a139a61438d8283afc771ee3221273843303
	Session ID Length: 0
1	Cipher Suites Length: 86
	Cipher Suites (43 suites)
	Cipher Suite: TLS ECDHE ECDSA WITH AES 256 GCM SHA384 (0xc02c)
2	
Ζ.	From Client Hello, cipher suite list is from WINNF approved list:

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc02d) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc031) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_256\_CBC\_SHA384 (0xc026) Cipher Suite: TLS ECDH RSA WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_CBC\_SHA256 (0xc025) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_CBC\_SHA256 (0xc029) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_256\_CBC\_SHA (0xc00a) Cipher Suite: TLS\_ECDHE\_RSA\_WITH\_AES\_256\_CBC\_SHA (0xc014) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_CBC\_SHA (0xc009) Cipher Suite: TLS\_ECDHE\_RSA\_WITH\_AES\_128\_CBC\_SHA (0xc013) Cipher Suite: TLS\_DHE\_RSA\_WITH\_AES\_256\_CBC\_SHA (0x0039) Cipher Suite: TLS\_DHE\_DSS\_WITH\_AES\_256\_CBC\_SHA (0x0038) Cipher Suite: TLS\_DHE\_RSA\_WITH\_AES\_128\_CBC\_SHA (0x0033) Cipher Suite: TLS\_DHE\_DSS\_WITH\_AES\_128\_CBC\_SHA (0x0032) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_256\_CBC\_SHA (0xc005) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_256\_CBC\_SHA (0xc00f) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_CBC\_SHA (0xc004) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_CBC\_SHA (0xc00e) Cipher Suite: TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0x009d) Cipher Suite: TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0x009c)

3. From Server Hello, cipher suite chosen: TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0x009d)

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada



## 4. Authentication exchange ends with TLS Alert message (i.e. authentication fails):

## Authentication fails):

1	Frame of 75 bytes on wire (564 bits), 75 bytes captured (564 bits)
>	Ethernet II, Src: fa:16:3e:93:a7:2f (fa:16:3e:93:a7:2f), Dst: fa:16:3e:ef:5f:48 (fa:16:3e:ef:5f:48)
>	Internet Protocol Version 4, Src: 10.10.3.13, Dst: 10.10.3.84
>	Transmission Control Protocol, Src Port: 37086, Dst Port: 5001, Seq: 287, Ack: 3324, Len: 7
~	Transport Layer Security
	<ul> <li>TLSv1.2 Record Layer: Alert (Level: Fatal, Description: Certificate Unknown) Content Type: Alert (21) Version: TLS 1.2 (0x0303) Length: 2</li> </ul>
	<pre>     Alert Message     Level: Fatal (2) </pre>
	Description: Certificate Unknown (46)

5. Registration request message is not received at Test Harness (authentication fails)

#### WINNF.FT.C.SCS.5

Packet Capture Sequence

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

File_Edit: View Go Capture Analy			ep.		
Apply a diplay fiter <col-></col->					-
io. Time	Source	Destnation	Protocol	Length Info	
1 2023-04-19 15:39:33.546285	10.10.3.13	18.18.3.84	TCP	74 37162 + 5001 [SYN] Seq=0 win+29200 Len=0 P55+1468 SACK PERM=1 T5val+2518626955 T5ecr=0 W5+128	
2 2023-04-19 15:39:33.547315	18.10.3.84	10.10.3.13	TCP	74 5001 + 37162 [SYN, ACK] Seq+0 Ack+1 Win+28960 Len+0 MSS+1460 SACK_PERM+1 TSval+2510653467 TSecr+2518626955 WS+128	
3 2023-04-19 15:39:33.547365	10.10.3.13	10.10.3.84	TCP	66 37162 * 5001 [ACK] Seq=1 Ack=1 Win=29312 Len=@ TSval=2518626956 TSecr=2518653467	
4 2023-04-19 15:39:33.548129	10.10.3.13	10.10.3.84	TL5v1.2	352 Client Hello	
5 2023-04-19 15:39:33.548521	10.10.3.84	10.10.3.13	TCP	66 5001 + 37162 [ACK] Seg=1 Ack=287 Win=30000 Len=0 TSval=2518653469 TSecr=2518626957	
6 2023-04-19 15:39:33.548706	10.10.3.84	10.10.3.13	TLSv1.2	3427 Server Hello, Certificate, Certificate Request, Server Hello Done	
7 2023-04-19 15:39:33.548730	10.10.3.13	10.10.3.84	TCP	66 37162 + 5001 [ACK] Seq=287 Ack=3362 Win=35968 Len=0 TSval=2518626957 TSecr=2518653469	
8 2023-04-19 15:39:33.558281	10.10.3.13	10.10.3.84	TLSv1.2	73 Alert (Level: Fatal, Description: Certificate Unknown)	
9 2023-04-19 15:39:33.558579	10.10.3.13	10.10.3.84	TCP.	66 37162 + 5001 [FIN, ACK] Seq=294 Ack=3362 Win=35960 Len=0 T5val=2518626967 TSecr=2518653469	
- 2023-04-19 15:39:33.559004	10.10.3.84	10.10.3.13	TCP.	66 5001 + 37162 [FIN, ACK] Seq=3362 Ack=295 Win=30000 Len=0 TSval=2518653479 TSecr=2518626967	
2023-04-19 15:39:33.559021	10.10.3.13	10.10.3.84	TCP	66 37162 + 5001 [ACK] Seq=295 Ack=3363 Win=35968 Len=0 TSval=2518626968 TSecr=2518653479	

#### WINNF Test Requirements:

## WINNF test requirements from WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification:

	3		1	
2	•	Make sure that UUT uses TLS v1.2 for security establishment. Make sure UUT selects the correct cipher suite. UUT shall use CRL or OCSP to verify the validity of the server certificate.	PASS	FAIL
	•	Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness.		

Analysis of WINNF Test Requirements

1. From Client Hello can read: TLS version = TLS 1.2

>	Frame 4: 352 bytes on wire (2816 bits), 352 bytes captured (2816 bits)
>	Ethernet II, Src: fa:16:3e:93:a7:2f (fa:16:3e:93:a7:2f), Dst: fa:16:3e:ef:5f:48 (fa:16:3e:ef:5f:48)
>	Internet Protocol Version 4, Src: 10.10.3.13, Dst: 10.10.3.84
>	Transmission Control Protocol, Src Port: 37162, Dst Port: 5001, Seq: 1, Ack: 1, Len: 286
~	Transport Layer Security
	<ul> <li>TLSv1.2 Record Layer: Handshake Protocol: Client Hello Content Type: Handshake (22) Version: TLS 1.2 (0x0303) Length: 281</li> <li>Handshake Protocol: Client Hello Handshake Type: Client Hello (1) Length: 277</li> </ul>
	Version: TLS 1.2 (0x0303)
	Random: b5731b03bc8bc4bab355b46eeda111645ecab0c06574e05276f4193472c841b9
	Session ID Length: 0
	Cipher Suites Length: 86
	Cipher Suites (43 suites)
	Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
	Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_250_0CH_SHA564 (0xc02c) Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
	Cipher Suite: TLS ECDHE RSA WITH AES 256 GCM SHA384 (0xc030)
	Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
	Cipher Suite: TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009f)
	Cipher Suite: TLS_DHE_DSS_WITH_AES_256_GCM_SHA384 (0x00a3)
	Cipher Suite: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009e)
2.	From Client Hello, cipher suite list is from WINNF approved list:

Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc02d) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xc031) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_256\_CBC\_SHA384 (0xc026) Cipher Suite: TLS ECDH RSA WITH AES 256 CBC SHA384 (0xc02a) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_CBC\_SHA256 (0xc025) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_CBC\_SHA256 (0xc029) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_256\_CBC\_SHA (0xc00a) Cipher Suite: TLS\_ECDHE\_RSA\_WITH\_AES\_256\_CBC\_SHA (0xc014) Cipher Suite: TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_CBC\_SHA (0xc009) Cipher Suite: TLS\_ECDHE\_RSA\_WITH\_AES\_128\_CBC\_SHA (0xc013) Cipher Suite: TLS\_DHE\_RSA\_WITH\_AES\_256\_CBC\_SHA (0x0039) Cipher Suite: TLS\_DHE\_DSS\_WITH\_AES\_256\_CBC\_SHA (0x0038) Cipher Suite: TLS\_DHE\_RSA\_WITH\_AES\_128\_CBC\_SHA (0x0033) Cipher Suite: TLS\_DHE\_DSS\_WITH\_AES\_128\_CBC\_SHA (0x0032) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_256\_CBC\_SHA (0xc005) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_256\_CBC\_SHA (0xc00f) Cipher Suite: TLS\_ECDH\_ECDSA\_WITH\_AES\_128\_CBC\_SHA (0xc004) Cipher Suite: TLS\_ECDH\_RSA\_WITH\_AES\_128\_CBC\_SHA (0xc00e) Cipher Suite: TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0x009d) Cipher Suite: TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0x009c)

3. From Server Hello, cipher suite chosen:

TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0x009d)

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada



## 4. Authentication exchange ends with TLS Alert message (i.e.

authentication fails):

5. Registration request message is not received at Test Harness (Authentication fails)

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

5769	0 17:1	3:07.0	64639	10.10	0.0.2	06 10.3	10.0.:	163 1	LSv1.2	73 A	Alert (	Leve	l: Fa	tal, De	escripti	on: Ce	rtifica	te Unk	nown)	5769	90				00	X
∃ Inte ∃ Tran ∃ Secu	erne nsmi ure LSV1 Con Ver	t II t Pr ssio Sock .2 R tent	, Sr otoc n Co ets ecor Typ : TL	c: f ol v ntro Laye d La e: A	a:1 /ers ol F er ayer aler	.6:3e ion Proto	2:56 4, 0col lert 21)	5:06 5rc , 5	:a3 ( : 10. rc Pc	fa: 10. ort:	16: 0.20 576	Be:5 06, 590,	DS1 DS1	06:a t: 1 st P	3), [ 0.10.	0.16 5000	fa:1 3 , Se	16:3e 2q:1	26,	Ack:	457		:8d:7	'9)		
	Ale	rt M evel	essa		(2)	1																				
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0040	96	fb 1	5 03	03	00	02 0	)2	Ze	2013/11/20	1993		2768		136862				194299 191	8784)							

1. Registration request message is not received at Test Harness (authentication fails)

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## Test Equipment

Instrument	Manufacturer	Type No.	Serial No	Calibration Period (months)	Calibration Due
Power Supply	Xantrex	XKW 60-50	E00109863	O/P Mon	-
Signal Analyzer	Agilent	MXA	SSG013930	12 months	2024-04-26
Attenuator	Pasternack	PE7004-10	N/S	O/P Mon	-
Switching Control Unit	Hewlett Packard	11713A	3748A060876	O/P Mon	-
RF Switch Unit	Burnsco	RARFSW 4x1	001	O/P Mon	-
Power Supply	Leader	730-3D	9801135	O/P Mon	-

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## Appendix A – EUT & Client Provided Details

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## General EUT Description

Manufacturer	Ericsson
Address	Torshamnsgatan 23 Kista SE-16480 Stockholm Sweden
Product Name	Dot 2266 B48B41B25B66 Dot 2256 B48B41B25B66 (Non-Tested Variant. See Technical Description for the similarity description)
Product Number	KRY 901 537/2 KRY 901 537/1 (Non-Tested Variant. See Technical Description for the similarity description)
Serial Number(s)	TD3W388604
RAN Software Version Domain Proxy Software Version Hardware Version	CXP9024418/15-R73B05 ERICdomainproxyservice_CXP9035414 2.63.4 R1B
Test Specification/Issue/Date	FCC CFR 47 Part 96: 2017

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

#### **Technical Description**

The Equipment Under Test (EUT) Dot 2266 B48B41B25B66 (KRY 901 537/2) are Remote Radio Units forming part of the Ericsson Radio Base Station (RBS) equipment. The Dot provides radio access for mobile and fixed devices and is intended for the indoor environment. The radio operates over 8 Transmit ports in MRO (NR+LTE); Single, Multi-Carrier, and MIMO transmission with a maximum rated RF output up to 0.4W per port over an operational temperature of 5deg C to +40 deg C. The unit is designed to be ceiling or wall mounted.

The 2256 and 2266 radios are identical except that Dot 2256 has internal antennas and Dot 2266 has external RF ports.

The Equipment Under Test (EUT) is shown in the photograph below. A full technical description can be found in the Manufacturer's documentation.



#### **EUT** Configuration

Please see Appendix B for close up pictures of the unit as configured during testing

• Cables and earthing when applicable were connected as per manufacturer's specification.

Domain Proxy Software Version: ERICdoma

ERICdomainproxyservice CXP9035414 2.63.4

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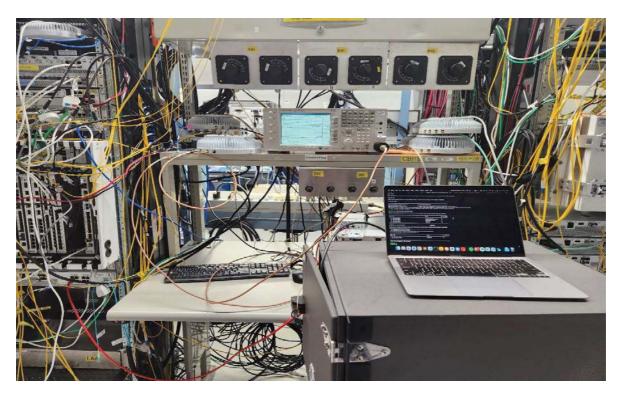
Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## Appendix B – EUT, Peripherals, and Test Setup Photos

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Client	Ericsson	
Product	KRY 901 537/1 DOT 2256 B48B41B25B66 (3550- 3700MHz) & KRY 901 537/2 DOT 2266 B48B41B25B66 (3550-3700MHz)	
Standard(s)	FCC Part 96 SAS requirements (CBRS Test Plan)	Canada

## Test setup



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