



Plot 20.Conducted Measurement - RF transmission stops (WINNF.FT.C.RLQ.1)

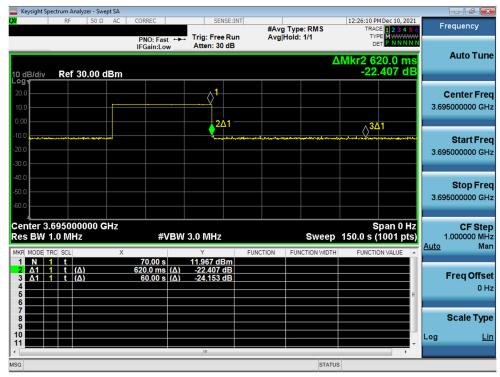


[WINNF.FT.C.DRG.1] Successful Deregistration **A23**

	Test Execution Steps	PASS	FAIL
1	 Ensure the following conditions are met for test entry: UUT has successfully completed SAS Discovery and Authentication with SAS Test Harness UUT has successfully registered with SAS Test Harness, with cbsdld=C UUT has received a valid grant with grantId = G UUT is in Grant State AUTHORIZED and is actively transmitting within the bounds of its grant. Invoke trigger to deregister UUT from the SAS Test Harness 	-	
2	UUT sends a Relinquishment request and receives Relinquishment response with responseCode=0		
3	UUT sends Deregistration Request to SAS Test Harness with cbsdld = C.	\boxtimes	
4	SAS Test Harness shall approve the request with a Deregistration Response message with parameters: • cbsdld = C • responseCode = 0		
5	After completion of step 3, SAS Test Harness will not provide any additional positive response (responseCode=0) to further request messages from the UUT		
6	Monitor the RF output of the UUT from start of test until 60 seconds after Step 4 is complete. This is the end of the test. Verify: • UUT stopped RF transmission at any time between triggering the deregistration and either A OR B occurs: A. UUT sending a Registration Request message, as this is not mandatory B. UUT sending a Deregistration Request message	×	

FCC ID: 2AXTR-ECL4248-2401	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 44 of 60
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for CBRS		Page 44 of 62





Plot 21.Conducted Measurement - RF transmission stops within 60s. The SAS message is indicated by Marker 1 (X) (WINNF.FT.C.DRG.1)

FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	t Report S/N: Test Dates: EUT Type:		Dogo 45 of 62	
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for CBRS		Page 45 of 62

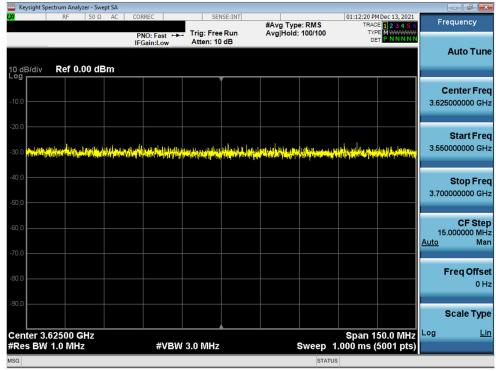


A24 [WINNF.FT.C.SCS.1] Successful TLS connection between UUT and SAS Test Harness

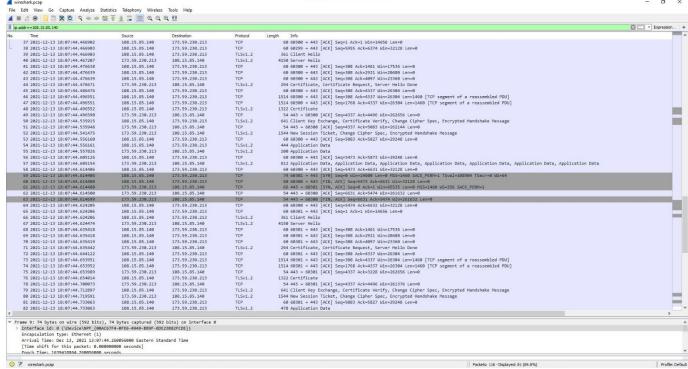
	Test Execution Steps	PASS	FAIL
1	 UUT shall start CBSD-SAS communication with the security procedure The UUT shall establish a TLS handshake with the SAS Test Harness using configured certificate. Configure the SAS Test Harness to accept the security procedure and establish the connection 	X	
2	 Make sure that Mutual authentication happens between UUT and the SAS Test Harness. Make sure that UUT uses TLS v1.2 Make sure that cipher suites from one of the following is selected, TLS_RSA_WITH_AES_128_GCM_SHA256 TLS_RSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 		
3	A successful registration is accomplished using one of the test cases described in section 6.1.4.1, depending on CBSD capability. • UUT sends a registration request to the SAS Test Harness and the SAS Test Harness sends a Registration Response with responseCode = 0 and cbsdld.	X	
4	Monitor the RF output of the UUT from start of test until 60 seconds after Step 3 is complete. This is the end of the test. Verify: • UUT shall not transmit RF	X	

FCC ID: 2AXTR-ECL4248-2401	PCTEST* ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 46 of 62
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for CBRS		raye 40 01 02





Plot 22.Conducted Measurement – No RF transmission in entire band at anytime (WINNF.FT.C.SCS.1)



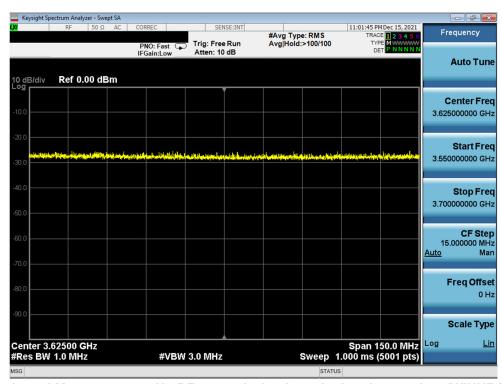
Plot 23. WireShark Screenshot (WINNF.FT.C.SCS.1)

FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogg 47 of 60	
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for CBRS		Page 47 of 62	



A25 [WINNF.FT.C.SCS.2] TLS failure due to revoked certificate

	Test Execution Steps	PASS	FAIL
1	UUT shall start CBSD-SAS communication with the security procedure	\boxtimes	
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. Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness 	\boxtimes	
3	UUT may retry for the security procedure which shall fail	\boxtimes	
4	SAS Test-Harness shall not receive any Registration request or any application data.	1	
5	Monitor the RF output of the UUT from start of test until 60 seconds after Step 3 is complete. This is the end of the test. Verify: • UUT shall not transmit RF	\boxtimes	



Plot 24.Conducted Measurement - No RF transmission in entire band at anytime (WINNF.FT.C.SCS.2)

FCC ID: 2AXTR-ECL4248-2401	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 40 of 60
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	Page 48 of 62	



Time	Source	Destination	Protocol	Length Info	
36 2021-12-16 03:57:32.026998	173.59.230.213	108.15.85.140	TCP	66 443 + 43594 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM=1	4
37 2021-12-16 03:57:32.038730	108.15.85.140	173.59.230.213	TCP	60 43594 → 443 [ACK] Seq=1 Ack=1 Win=14656 Len=0	
38 2021-12-16 03:57:32.038731	108.15.85.140	173.59.230.213	TLSv1.2	361 Client Hello	
39 2021-12-16 03:57:32.039587	173.59.230.213	108.15.85.140	TLSv1.2	3065 Server Hello, Certificate, Certificate Request, Server Hello Done	
40 2021-12-16 03:57:32.057575	108.15.85.140	173.59.230.213	TCP	60 43594 → 443 [ACK] Seq=308 Ack=1461 Win=17536 Len=0	
41 2021-12-16 03:57:32.057576	108.15.85.140	173.59.230.213	TCP	60 43594 + 443 [ACK] Seq=308 Ack=2921 Win=20480 Len=0	
42 2021-12-16 03:57:32.057577	108.15.85.140	173.59.230.213	TCP	60 43594 + 443 [ACK] Seq=308 Ack=3012 Win=20480 Len=0	
43 2021-12-16 03:57:32.065978	108.15.85.140	173.59.230.213	TCP	1514 43594 + 443 [ACK] Seq=308 Ack=3012 Win=20480 Len=1460 [TCP segment of a reassembled PDU]	
44 2021-12-16 03:57:32.065979	108.15.85.140	173.59.230.213	TCP	1514 43594 + 443 [ACK] Seq=1768 Ack=3012 Win=20480 Len=1460 [TCP segment of a reassembled PDU]	
45 2021-12-16 03:57:32.065986	108.15.85.140	173.59.230.213	TLSv1.2	1428 Certificate	
46 2021-12-16 03:57:32.066080	173.59.230.213	108.15.85.140	TCP	54 443 → 43594 [ACK] Seq=3012 Ack=4602 Win=262656 Len=0	
47 2021-12-16 03:57:32.105217	108.15.85.140	173.59.230.213	TLSv1.2	641 Client Key Exchange, Certificate Verify, Change Cipher Spec, Encrypted Handshake Message	
48 2021-12-16 03:57:32.105327	173.59.230.213	108.15.85.140	TCP	54 443 + 43594 [ACK] Seq=3012 Ack=5189 Win=262144 Len=0	
50 2021-12-16 03:57:32.127935	173.59.230.213	108.15.85.140	TLSv1.2	1592 New Session Ticket, Change Cipher Spec, Encrypted Handshake Message	
51 2021-12-16 03:57:32.135495	108.15.85.140	173.59.230.213	TCP	60 43594 + 443 [ACK] Seq=5189 Ack=4550 Win=23360 Len=0	
52 2021-12-16 03:57:32.135496	108.15.85.140	173.59.230.213	TLSv1.2	478 Application Data	
53 2021-12-16 03:57:32.139688	173.59.230.213	108.15.85.140	TLSv1.2	100 Application Data	
55 2021-12-16 03:57:32.194472	108.15.85.140	173.59.230.213	TCP	60 43594 + 443 [ACK] Seq-5613 Ack=4596 Win=23360 Len=0	
56 2021-12-16 03:57:32.194543	173.59.230.213	108.15.85.140	TLSv1.2	549 Application Data, Application Data, Application Data, Application Data, Application Data, Application Data	
57 2021-12-16 03:57:32.213942	108.15.85.140	173.59.230.213	TCP	60 43594 + 443 [ACK] Seq=5613 Ack=5091 Win=26304 Len=0	
58 2021-12-16 03:57:32.213943	108.15.85.140	173.59.230.213	TCP	60 43594 + 443 [FIN, ACK] Seq-5613 Ack=5091 Nin=26304 Len=0	
59 2021-12-16 03:57:32.214041	173.59.230.213	108.15.85.140	TCP	54 443 → 43594 [ACK] Seq=5091 Ack=5614 Win=261632 Len=0	100
60 2021-12-16 03:57:32.214448	173.59.230.213	108.15.85.140	TCP	54 443 + 43594 [FIN, ACK] Seq-5091 Ack-5614 Win-261632 Len-0	4
61 2021-12-16 03:57:32.233770	108.15.85.140	173.59.230.213	TCP	60 43594 → 443 [ACK] Seq=5614 Ack=5092 Win=26304 Len=0	
176 2021-12-16 03:58:02.422176	108.15.85.140	173.59.230.213	TCP	74 43595 + 443 [SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM=1 TSval=61114 TSecr=0 WS=64	
177 2021-12-16 03:58:02.422388	173.59.230.213	108.15.85.140	TCP	66 443 → 43595 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM=1	-
178 2021-12-16 03:58:02.440590	108.15.85.140	173.59.230.213	TCP	60 43595 → 443 [ACK] Seq=1 Ack=1 Win=14656 Len=0	
179 2021-12-16 03:58:02.440591	108.15.85.140	173.59.230.213	TLSv1.2	361 Client Hello	
180 2021-12-16 03:58:02.441858	173.59.230.213	108.15.85.140	TLSv1.2	3175 Server Hello, Certificate, Certificate Request, Server Hello Done	-
181 2021-12-16 03:58:02.450530	108.15.85.140	173.59.230.213	TCP	60 43595 → 443 [ACK] Seq=308 Ack=1461 Win=17536 Len=0	
182 2021-12-16 03:58:02.450531	108.15.85.140	173.59.230.213	TCP	60 43595 + 443 [ACK] Seq=308 Ack=2921 Win=20480 Len=0	
183 2021-12-16 03:58:02.450532	108.15.85.140	173.59.230.213	TCP	60 43595 + 443 [ACK] Seq+308 Ack+3122 Win+23360 Len+0	
184 2021-12-16 03:58:02.480299	108.15.85.140	173.59.230.213	TCP	74 34742 → 80 [SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM=1 TSval=61121 TSecr=0 WS=64	
185 2021-12-16 03:58:02.480441	173.59.230.213	108.15.85.140	TCP	66 80 → 34742 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM=1	
186 2021-12-16 03:58:02.489963	108.15.85.140	173.59.230.213	TCP	60 34742 → 80 [ACK] Seq=1 Ack=1 Win=14656 Len=0	
187 2021-12-16 03:58:02.489964	108.15.85.140	173.59.230.213	HTTP	108 GET /crlserver.crl HTTP/1.0	
188 2021-12-16 03:58:02.517535	173.59.230.213	108.15.85.140	PKIX-CRL	1512 Certificate Revocation List	
189 2021-12-16 03:58:02.529997	108.15.85.140	173.59.230.213	TCP	60 34742 → 80 [ACK] Seq=55 Ack=1460 Win=17536 Len=0	
190 2021-12-16 03:58:02.529998	108.15.85.140	173.59.230.213	TLSv1.2	61 Alert (Level: Fatal, Description: Unknown CA)	
191 2021-12-16 03:58:02.529999	108.15.85.140	173.59.230.213	TCP	60 43595 → 443 [RST, ACK] Seq=315 Ack=3122 Win=23360 Len=0	
192 2021-12-16 03:58:02.530000	108.15.85.140	173.59.230.213	TCP	60 34742 + 80 [FIN, ACK] Seq-55 Ack-1460 Win=17536 Len=0	
193 2021-12-16 03:58:02.530000	108.15.85.140	173.59.230.213	TCP	60 34742 + 80 [RST, ACK] Seq=56 Ack=1460 Win=17536 Len=0	
194 2021-12-16 03:58:02.530086	173.59.230.213	108.15.85.140	TCP	54 80 + 34742 [ACK] Seq=1460 Ack=56 Win=262656 Len=0	
195 2021-12-16 03:58:02.539178	108.15.85.140	173.59.230.213	TCP	60 34742 + 80 [RST] Seg=56 Win=0 Len=0	

Plot 25. Failed Registration WireShark Screenshot (WINNF.FT.C.SCS.2)

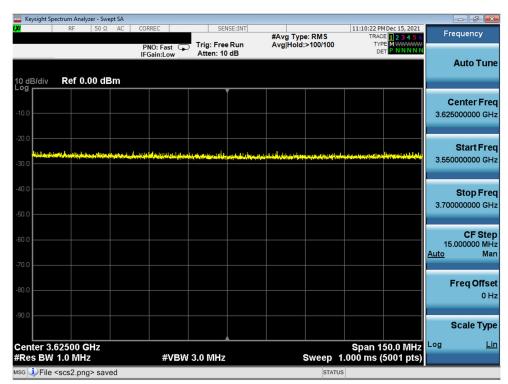
FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogg 40 of 60	
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for CBRS		Page 49 of 62	



A26 [WINNF.FT.C.SCS.3] TLS failure due to expired server certificate

	Test Execution Steps	PASS	FAIL
1	UUT shall start CBSD-SAS communication with the security procedure	\boxtimes	
	Make sure that UUT uses TLS v1.2 for security establishment.		
	Make sure UUT selects the correct cipher suite.		
2	UUT shall use CRL or OCSP to verify the validity of the server certificate.	\boxtimes	
	Make sure that Mutual authentication does not happen between UUT and the SAS		
	Test Harness.		
3	UUT may retry for the security procedure which shall fail	\boxtimes	
4	SAS Test-Harness shall not receive any Registration request or any application data.	1	
	Monitor the RF output of the UUT from start of test until 60 seconds after Step 3 is		
5	complete. This is the end of the test. Verify:	\boxtimes	
	UUT shall not transmit RF		

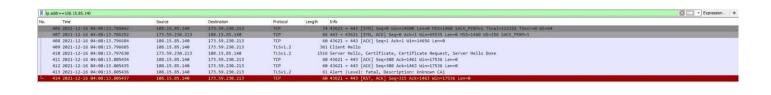
Test Plots:



Plot 26.Conducted Measurement - No RF transmission in entire band at anytime (WINNF.FT.C.SCS.3)

FCC ID: 2AXTR-ECL4248-2401	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg EO of CO
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	Page 50 of 62	





Plot 27. Failed Registration WireShark Screenshot (WINNF.FT.C.SCS.3)

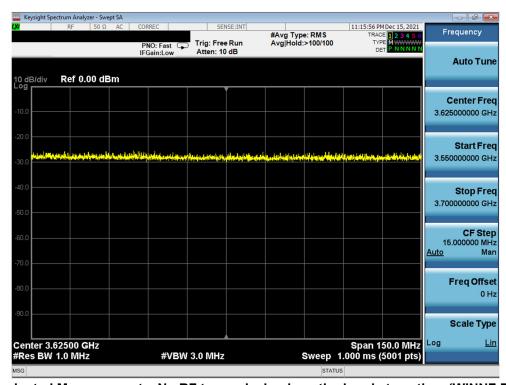
FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg E1 of CO
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for	or CBRS	Page 51 of 62



[WINNF.FT.C.SCS.4] TLS failure when SAS Test Harness certificate is issued by an unknown CA

	Test Execution Steps	PASS	FAIL
1	UUT shall start CBSD-SAS communication with the security procedure	\boxtimes	
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. Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness. 	×	
3	UUT may retry for the security procedure which shall fail	×	
4	SAS Test-Harness shall not receive any Registration request or any application data.		
5	Monitor the RF output of the UUT from start of test until 60 seconds after Step 3 is complete. This is the end of the test. Verify: • UUT shall not transmit RF	\boxtimes	

Test Plots:



Plot 28. Conducted Measurement – No RF transmission in entire band at anytime (WINNF.FT.C.SCS.4)

FCC ID: 2AXTR-ECL4248-2401	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg EO of CO
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 52 of 62





Plot 29. Failed Registration WireShark Screenshot (WINNF.FT.C.SCS.4)

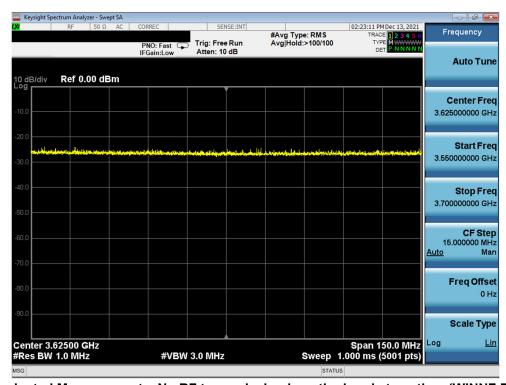
FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg F2 of 62
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 53 of 62



A28 [WINNF.FT.C.SCS.5] TLS failure when certificate at the SAS Test Harness is corrupted

	Test Execution Steps	PASS	FAIL
1	UUT shall start CBSD-SAS communication with the security procedure	\boxtimes	
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. Make sure that Mutual authentication does not happen between UUT and the SAS Test Harness. 	\boxtimes	
3	UUT may retry for the security procedure which shall fail	\boxtimes	
4	SAS Test-Harness shall not receive any Registration request or any application data.	1	
5	Monitor the RF output of the UUT from start of test until 60 seconds after Step 3 is complete. This is the end of the test. Verify: • UUT shall not transmit RF	\boxtimes	

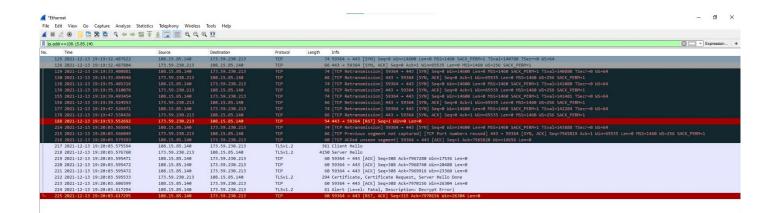
Test Plots:



Plot 30.Conducted Measurement – No RF transmission in entire band at anytime (WINNF.FT.C.SCS.5)

FCC ID: 2AXTR-ECL4248-2401	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg E4 of CO
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 54 of 62





Plot 31. Failed Registration WireShark Screenshot (WINNF.FT.C.SCS.5)

FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 55 of 62
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station for	Page 55 of 62	



[WINNF.PT.C.HBT.1] UUT RF Transmit Power Measurement

	Test Execution Steps	PASS	FAIL
1	 Ensure the following conditions are met for test entry: UUT has successfully completed SAS Discovery and Authentication with the SAS Test Harness UUT has registered with the SAS, with CBSD ID = C UUT has a single valid grant G with parameters {lowFrequency = FL, highFrequency = FH, maxEirp = Pi}, with grant in AUTHORIZED state, and grantExpireTime set to a value far past the duration of this test case Note: in order for the UUT to request a grant with the parameters {lowFrequency, highFrequency, maxEirp}, the SAS Test Harness may need to provide appropriate guidance in the availableChannel object of the spectrumInquiry response message, and the operationParam object of the grant response message. Alternately, the UUT vendor may provide the ability to set those parameters on the UUT so that the UUT will request a grant with those parameters. 		
2	UUT and SAS Test Harness perform a series of Heartbeat Request/Response cycles, which continues until the other test steps are complete. Messaging for each cycle is as follows: • UUT sends Heartbeat Request, including: • o cbsdld = C • o grantld = G • SAS Test Harness responds with Heartbeat Response, including: • o cbsdld = C • o grantld = G • o transmitExpireTime = current UTC time + 200 seconds • responseCode = 0		
3	Tester performs power measurement on RF interface(s) of UUT, and verifies it complies with the maxEirp setting, Pi. The RF measurement method is out of scope of this document, but may include additional configuration of the UUT, as required, to fulfil the requirements of the power measurement method. Note: it may be required for the vendor to provide a method or configuration to bring the UUT to a mode which is required by the measurement methodology. Any such mode is vendor-specific and depends upon UUT behavior and the measurement methodology.	⊠	

FCC ID: 2AXTR-ECL4248-2401	PCTEST* ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 56 of 62
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	rage 30 or 62



RF Power Measurements:

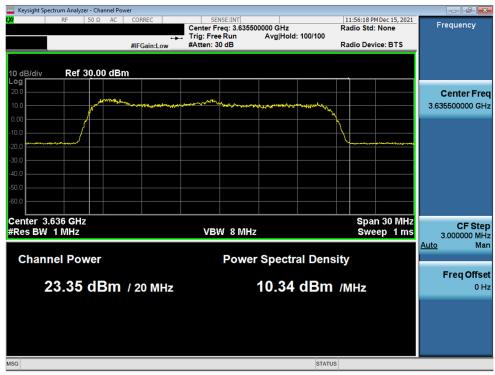
Testing is performed per ANSI C63.26-2015 and across the transmit dynamic range of 36dBm/MHz to 33dBm/MHz for 20MHz Bandwidth.

The UUT was configured such that all ports were transmitting at the same output power level. The 2 ports of the UUT are the same design and pretesting showed that the power levels between sampling of various ports is the same. As both ports are identical in design and equivalent power levels, the PSD was measured and the total MIMO Conducted Power was calculated for both ports. The MIMO EIRP was calculated with adding the antenna gain to the conducted power level. Since the antennas are cross-polarized, the individual antenna gain of 17dBi was used for the MIMO EIRP calculation.

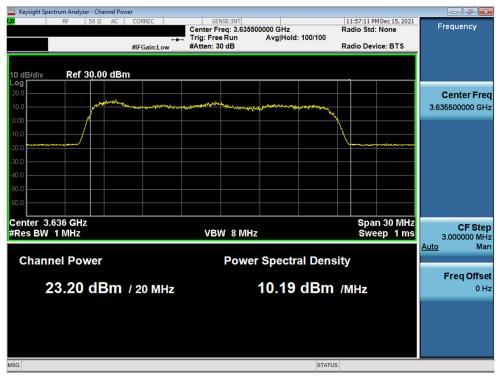
Freq [MHz]	SAS Granted maxEIRP [dBm/MHz]	Tx1 Conducted PSD [dBm/MHz]	Tx1 Ant Gain [dBi]	Tx1 EIRP [dBm/MHz]	Tx2 Conducted PSD [dBm/MHz]	Tx2 Ant Gain [dBi]	Tx2 EIRP [dBm/MHz]		Total MIMO maxEIRP [dBm/MHz]	Margin [dB]
3625	36	10.34	17	27.34	10.19	17	27.19	13.28	30.28	-5.72
3625	34	8.68	17	25.68	8.02	17	25.02	11.37	28.37	-5.63
3625	33	7.2	17	24.2	7.23	17	24.23	10.23	27.23	-5.77

Table 7-1 RF Output Power Measurements (WINNF.PT.C.HBT.1)





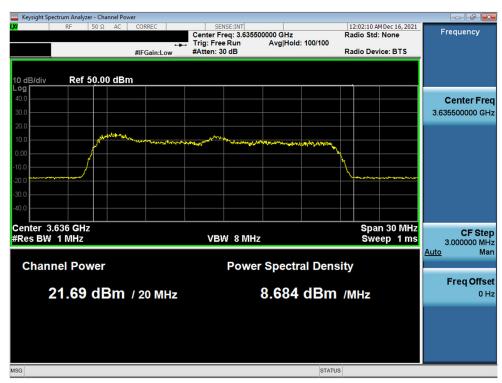
Plot 32. Conducted PSD, SAS Granted maxEIRP 36 dBm/MHz ANT1



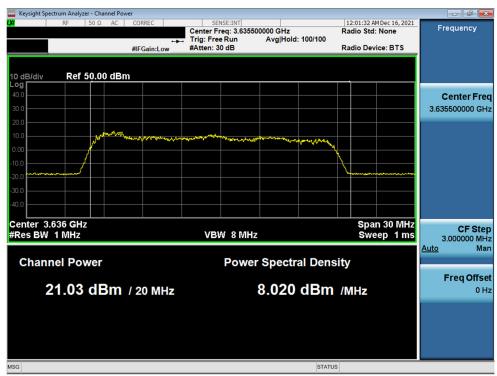
Plot 33. Conducted PSD, SAS Granted 36 dBm/MHz ANT2

FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg E0 of C0
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 58 of 62





Plot 34. Conducted PSD, SAS Granted maxEIRP 34 dBm/MHz ANT1



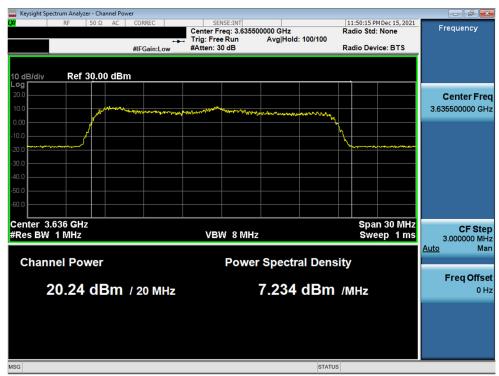
Plot 35. Conducted PSD, SAS Granted maxEIRP 34 dBm/MHz ANT2

FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg EO of CO
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 59 of 62





Plot 36. Conducted PSD, SAS Granted maxEIRP 33 dBm/MHz ANT1



Plot 37. Conducted PSD, SAS Granted maxEIRP 33 dBm/MHz ANT2

FCC ID: 2AXTR-ECL4248-2401	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 60 of 60
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 60 of 62



APPENDIX B - TEST LOGS

Logs are available upon request

| cmdSession |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| _2021-12-0 | _2021-12-0 | _2021-12-0 | _2021-12-0 | _2021-12-0 | _2021-12-0 | _2021-12-0 | _2021-12-0 | _2021-12-0 |
| 9T23.13.45
Z | 9T23.16.42
Z | 9T23.26.13
Z | 9T23.30.55
Z | 9T23.34.29
Z | 9T23.38.18
Z | 9T23.41.21
Z | 9T23.43.21
Z | 9T23.45.20
Z |
| | | | | | | | | |
| | | | | | | | | |
| cmdSession |
_2021-12-0 9T23.48.21	_2021-12-0 9T23.50.21	_2021-12-0 9T23.54.42	_2021-12-1 0T00.30.05	_2021-12-1 0T01.05.36	_2021-12-1 0T01.23.39	_2021-12-1 0T01.37.11	_2021-12-1 0T15.17.15	_2021-12-1 0T15.20.52
9123.46.21 Z	9123.30.21 Z	9123.34.42 Z	0100.30.03 Z	0101.05.36 Z	0101.23.39 Z	0101.37.11 Z	0115.17.15 Z	0115.20.52 Z
_	_	_	_	_	_	_	_	_
cmdSession	WINNF.FT.C							
_2021-12-1	_2021-12-1	_2021-12-1	_2021-12-1	_2021-12-1	_2021-12-1	_2021-12-1	_2021-12-1	.DRG.1_202
0T16.04.16 Z	0T17.06.41 Z	0T17.21.16 7	3T17.22.06 Z	3T17.29.11 Z	3T18.07.30 Z	6T03.57.51 Z	6T04.05.46 Z	1-12-10T17 .21.31Z
								.21.312
WINNF.FT.C								
.GRA.1_202	.GRA.2_202	.HBT.1_202	.HBT.3_202	.HBT.4_202	.HBT.5_202	.HBT.6_202	.HBT.7_202	.HBT.9_202
1-12-09T23	1-12-09T23	1-12-09T23	1-12-10T00	1-12-10T01	1-12-10T15	1-12-10T01	1-12-10T01	1-12-10T15
.48.36Z	.50.39Z	.54.53Z	.33.14Z	.05.47Z	.17.19Z	.23.48Z	.37.17Z	.20.57Z
WINNF.FT.C								
.HBT.10_20	.MES.3_202	.MES.4_202	.REG.1_202	.REG.1_202	.REG.1_202	.REG.1_202	.REG.5_202	.REG.8_202
21-12-10T1	1-12-13T17	1-12-13T17	1-12-09T23	1-12-13T18	1-12-16T03	1-12-16T04	1-12-09T23	1-12-09T23
6.04.50Z	.22.14Z	.29.25Z	.17.02Z	.07.35Z	.57.58Z	.05.50Z	.13.57Z	.31.19Z
WINNF.FT.C	WINNF.FT.C	WINNF.FT.C	WINNF.FT.C	WINNF.FT.C	WINNF.FT.C			
.REG.10_20	.REG.12_20	.REG.14_20	.REG.16_20	.REG.18_20	.RLQ.1_202			
21-12-09T2	21-12-09T2	21-12-09T2	21-12-09T2	21-12-09T2	1-12-10T17			
3.35.16Z	3.38.36Z	3.41.26Z	3.43.32Z	3.45.40Z	.06.44Z			

FCC ID: 2AXTR-ECL4248-2401	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	EUC AST [♠]	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 61 of 60
1M2112130161-01-R2.2AXTR	12/09/2021 - 12/15/2021	Cat B LTE Picocell base station f	or CBRS	Page 61 of 62