

DFS PORTION of FCC 47 CFR PART 15 SUBPART E DFS PORTION of ISED CANADA RSS-247 ISSUE 2

CERTIFICATION TEST REPORT

FOR

SMARTPHONE

MODEL NUMBER: A2595 (Parent Model) A2782, A2783, A2784, A2785 (Variant Models)

MODEL NUMBER TESTED: A2595

FCC ID: BCG-E4082A (Parent Model) BCG-E8064A, BCG-E4083A, BCG-E8076A, BCG-E8076A (Variant Models)

ISED: 579C-E4082A (Parent Model) 579C-E8064A, 579C-E4083A, 579C-E8076A, 579C-E8076A (Variant Models)

REPORT NUMBER: 13911916-E14V1

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Prepared for APPLE, INC. 1 APPLE PARK WAY CUPERTINO CA 95014, U.S.A

Prepared by UL VERIFICATION SERVICES INC. 47173 BENICIA STREET FREMONT, CA 94538, U.S.A. TEL: (510) 319-4000 FAX: (510) 661-0888



Revision History

Rev.	lssue Date	Revisions	Revised By
V1	01/24/22	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	APPLE, INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
EUT DESCRIPTION:	SMARTPHONE
MODEL NUMBER:	A2595 (PARENT MODEL) A2782, A2783, A2784, A2785 (VARIANT MODELS)
MODEL TESTED:	A2595
SERIAL NUMBER:	QX3DK4H32K (EUT 1) AND L4RW1JQQJP (EUT2)
DATE TESTED:	DECEMBER 21, 2021

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
DFS Portion of CFR 47 Part 15 Subpart E	Complies
DFS Portion of ISED CANADA RSS-247 Issue 2	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

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Approved & Released For UL Verification Services Inc. By:

lead thinces

EDGARD RINCAND Operations Leader CONSUMER TECHNOLOGY DIVISION UL Verification Services Inc. Prepared By:

Douglas amelican

DOUG ANDERSON Test Engineer CONSUMER TECHNOLOGY DIVISION UL Verification Services Inc.

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the DFS portion of FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC KDB 789033, KDB 905462 D02 and D03 and RSS-247 Issue 2.

3. SUMMARY OF TEST RESULTS

Requirement Description	Result	Remarks
DFS Portion of FCC 47 CFR PART 15 SUBPART E	Complies	
DFS Portion of ISED CANADA RSS-247 ISSUE 2	Complies	

4. REFERENCE DOCUMENTS

Measurements of transmitter parameters as referenced in this report and all other manufacturer's declarations relevant to the RF test requirements are documented in UL Verification Services report number 13911916-E5V1 & E6V1 FCC_IC UNII Conducted and Radiated Reports.

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

5. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, Certificate Number 0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
\mathbf{X}	Building 1: 47173 Benicia Street,	US0104	2324A	550739
	Fremont, California, USA			
	Building 2: 47266 Benicia Street,	US0104	2324A	550739
	Fremont, California, USA			
	Building 4: 47658 Kato Rd, Fremont,	US0104	2324A	550739
	California, USA			

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6. DECISION RULES AND MEASUREMENT UNCERTAINTY

6.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

6.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement).

7. MODEL DIFFERENCES

The manufacturer hereby declares that:

- All models use the same system, cellular and Wi-Fi/BT radio electrical schematics.
- Removal of LTE bands on models not supporting them is accomplished by de-population of the related components. There are no electrical differences between the models..
- All models use the same Wi-Fi/BT chipset and radio module.
- All models use the same Applications Processor and PMU.
- All models use the same UICC hardware/software interface.
- All models run the same Baseband firmware and iOS software.

The characteristics listed above do not have any influence upon the DFS performance of the models covered by this report and therefore the DFS test results documented for Parent Model A2595 for may be applied as representative to Variant Models A2782, A2783, A2784 and A2785.

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8. DYNAMIC FREQUENCY SELECTION

8.1. OVERVIEW

8.1.1. LIMITS

INNOVATION, SCIENCE and ECONOMIC DEVELOPMENT CANADA (ISED)

ISED RSS-247 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-247 Issue 2

Note: For the band 5600–5650 MHz, no operation is permitted.

Until further notice, devices subject to this annex shall not be capable of transmitting in the band 5600–5650 MHz. This restriction is for the protection of Environment Canada weather radars operating in this band.

FCC

§15.407 (h), FCC KDB 905462 D02 "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION" and KDB 905462 D03 "U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY".

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Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode			
	Master	Client (without radar detection)	Client (with radar detection)	
Non-Occupancy Period	Yes	Not required	Yes	
DFS Detection Threshold	Yes	Not required	Yes	
Channel Availability Check Time	Yes	Not required	Not required	
U-NII Detection Bandwidth	Yes	Not required	Yes	

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode			
	Master	Client	Client	
		(without DFS)	(with DFS)	
DFS Detection Threshold	Yes	Not required	Yes	
Channel Closing Transmission Time	Yes	Yes	Yes	
Channel Move Time	Yes	Yes	Yes	
U-NII Detection Bandwidth	Yes	Not required	Yes	

Additional requirements for	Master Device or Client with	Client		
devices with multiple bandwidth	Radar DFS	(without DFS)		
modes				
U-NII Detection Bandwidth and	All BW modes must be	Not required		
Statistical Performance Check	tested			
Channel Move Time and Channel	Test using widest BW mode	Test using the		
Closing Transmission Time	available	widest BW mode		
		available for the link		
All other tests	Any single BW mode	Not required		
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include				
soveral frequencies within the radar detection handwidth and frequencies near the edge of the				

several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in all 20 MHz channel blocks and a null frequency between the bonded 20 MHz channel blocks.

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Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value	
	(see notes)	
E.I.R.P. ≥ 200 milliwatt	-64 dBm	
E.I.R.P. < 200 milliwatt and	-62 dBm	
power spectral density < 10 dBm/MHz		
E.I.R.P. < 200 milliwatt that do not meet power spectral	-64 dBm	
density requirement		
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna		
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This		

will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note 3: E.I.R.P. is based on the highest antenna gain. For MIMO devices refer to KDB publication 662911 D01.

Table 4: DFS Response requirement values

Parameter	Value
Non-occupancy period	30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds (See Note 1)
Channel Closing Transmission Time	200 milliseconds + approx. 60 milliseconds over remaining 10 second period. (See Notes 1 and 2)
U-NII Detection Bandwidth	Minimum 100% of the U- NII 99% transmission power bandwidth. (See Note 3)

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10-second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

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Table 5 – Short Pulse Radar Test Waveforms

Radar	Pulse	PRI	Pulses	Minimum	Minimum
Туре	Width	(usec)		Percentage	Trials
	(usec)			of Successful	
				Detection	
0	1	1428	18	See Note 1	See Note
					1
1	1	Test A: 15 unique		60%	30
		PRI values randomly			
		selected from the list	Roundup:		
		of 23 PRI values in	{(1/360) x (19 x 10 ⁶ PRI _{usec})}		
		table 5a			
		Test B: 15 unique			
		PRI values randomly			
		selected within the			
		range of 518-3066			
		usec. With a			
		minimum increment			
		of 1 usec, excluding			
		PRI values selected			
		in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
		Aggregate (Radar T	ypes 1-4)	80%	120
Note 1:	Short P	ulse Radar Type 0 shou	d be used for the Detection Bai	ndwidth test, Ch	annel
Move T	<i>ime</i> , and	Channel Closing Time to	ests.		

Table 6 – L	ona Pulse	Radar T	Test Signal
	ung i unoc	nauai	i col Olyriai

Radar	Pulse	Chirp	PRI	Pulses	Number	Minimum	Minimum	
Waveform	Width	Width	(µsec)	per	of	Percentage	Trials	
Туре	(µsec)	(MHz)		Burst	Bursts	of Successful		
		. ,				Detection		
5	50-100	5-20	1000-	1-3	8-20	80%	30	
			2000					

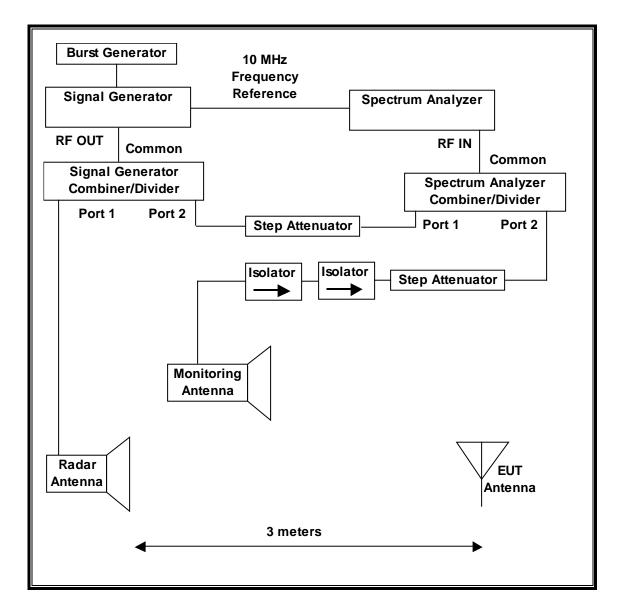
Table 7 – Frequency Hopping Radar Test Signal

Radar	Pulse	PRI	Pulses	Hopping	Hopping	Minimum	Minimum
Waveform	Width	(µsec)	per	Rate	Sequence	Percentage of	Trials
Туре	(µsec)		Нор	(kHz)	Length	Successful	
			-		(msec)	Detection	
6	1	333	9	0.333	300	70%	30

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8.1.2. TEST AND MEASUREMENT SYSTEM

RADIATED METHOD SYSTEM BLOCK DIAGRAM



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SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at runtime.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of KDB 905462 D02. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

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ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST								
Description	Manufacturer	Model	ID No.	Cal Due				
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	T1634	02/24/22				
Signal Generator, MXG X-Series RF Vector	Agilent	N5182B	T1633	01/28/21				

8.1.3. TEST AND MEASUREMENT SOFTWARE

The following test and measurement software was utilized for the tests documented in this report:

TEST SOFTWARE LIST							
Name Version Test / Function							
Aggregate Time-PXA	3.1	Channel Loading and Aggregate Closing Time					
PXA Read	3.1	Signal Generator Screen Capture					
SGXProject.exe	1.7	Radar Waveform Generation and Download					

8.1.4. TEST ROOM ENVIRONMENT

The test room temperature and humidity shall be maintained within normal temperature of 15~35 °C and normal humidity 20~75% (relative humidity).

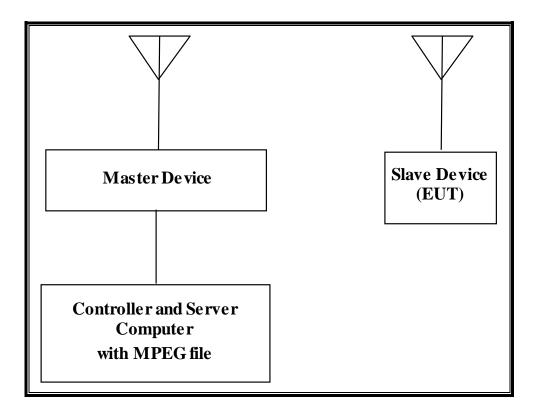
ENVIRONMENT CONDITION

Parameter	Value
Temperature	24.5 °C
Humidity	26 %

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8.1.5. SETUP OF EUT (CLIENT MODE)

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

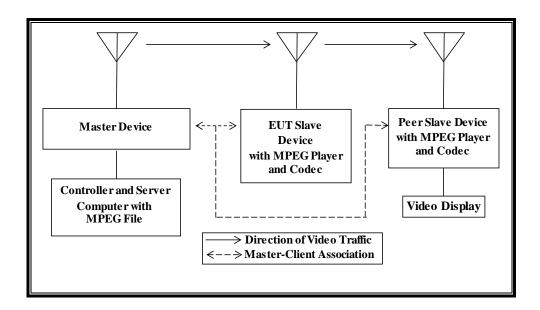
The following support equipment was utilized for the tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST								
Description	Manufacturer	Model	Serial Number	FCC ID				
802.11a/b/g/n/ac Wireless	Apple	A1521	C86PJ5RUFJ1R	BCGA1521				
Router (Master Device)								
Notebook PC	Apple	A1708	C02VQ6D6HV27	DoC				
(Controller/Server)								

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8.1.6. SETUP OF EUT (CLIENT TO CLIENT MODE)

RADIATED METHOD EUT TEST SETUP WHEN MONITORING THE EUT



SUPPORT EQUIPMENT

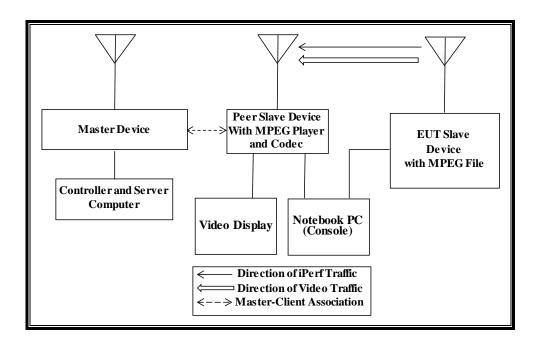
The following support equipment was utilized for the tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST								
Description	Manufacturer	Model	Serial Number	FCC ID				
802.11a/b/g/n/ac Wireless	Apple	A1521	C86PJ5RUFJ1R	BCGA1521				
Router (Master Device)								
Notebook PC	Apple	A1708	C02VQ6D6HV27	DoC				
(Controller/Server)								
Apple TV (Peer Slave Device)	Apple	A1842	C0HW3DN4J1WF	BCGA1842				
15" LCD TV (Video Display)	Polaroid	TLX-01511C	02006	DoC				

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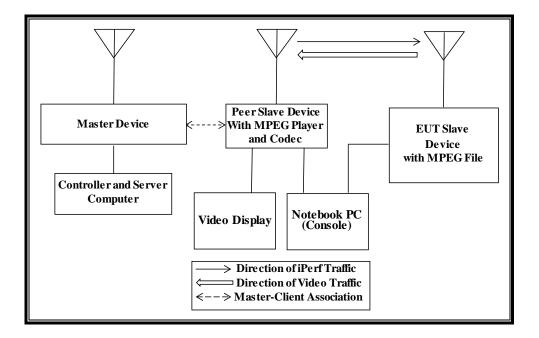
8.1.7. SETUP OF EUT (PEER TO PEER MODE)

RADIATED METHOD EUT TEST SETUP WHEN MONITORING THE EUT



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RADIATED METHOD EUT TEST SETUP WHEN MONITORING THE PEER SLAVE DEVICE)



SUPPORT EQUIPMENT

The following support equipment was utilized for the tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST								
Description	Manufacturer	Model	Serial Number	FCC ID				
802.11a/b/g/n/ac Wireless	Apple	A1521	C86PJ5RUFJ1R	BCGA1521				
Router (Master Device)								
Notebook PC	Apple	A1708	C02VQ6D6HV27	DoC				
(Controller/Server)								
Apple TV (Peer Slave Device)	Apple	A1842	C0HW3DN4J1WF	BCGA1842				
Notebook PC (Peer Console)	Apple	A1708	C02VT5DTHV22	DoC				
15" LCD TV (Video Display)	Polaroid	TLX-01511C	02006	DoC				

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8.1.8. DESCRIPTION OF EUT

For FCC the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

For ISED the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges, excluding the 5600-5650 MHz range.

The EUT is a Slave Device without Radar Detection.

Slave EUT EIRP, maximum conducted output power, antenna assembly gain and TPC information can be found in the RF report referenced in section 4 of this report.

Two identical antennas are utilized to meet the diversity and MIMO operational requirements.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is -64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

The EUT uses two transmitter/receiver chains, each connected to an antenna to perform radiated tests.

In **Standard Client Mode** WLAN traffic that meets or exceeds the minimum required loading was generated by streaming the compressed version of the video test file "6 ½ Magic Hours" from the Master to the Slave using OPlayer media player.

In **Client to Client mode** WLAN traffic is generated by streaming the compressed version of the video test file "6 ½ Magic Hours" from the Master to the Slave and then on to the peer slave device in full motion video mode using OPlayer media player and embedded proprietary AirPlay software.

In **Peer to Peer mode while monitoring the EUT**, WLAN traffic is generated with the combination of streaming the compressed version of the video test file "6 ½ Magic Hours" from the EUT to the Peer Slave Device in full motion video mode using OPlayer media player and embedded proprietary AirPlay software and Iperf from the EUT to the Peer Slave Device.

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In **Peer to Peer mode while monitoring the Peer Slave Device**, WLAN traffic is generated with the combination of streaming the compressed version of the video test file "6 ½ Magic Hours" from the EUT to the Peer Slave Device in full motion video mode using OPlayer media player and embedded proprietary AirPlay software and Iperf from the Peer Slave Device to the EUT.

While performing **Peer to Peer Mode** testing only the Peer Slave Device is associated to the Master Device.

Peer to Peer Mode has been reviewed and approved as compliant with the DFS requirements for client devices by the FCC via KDB inquiry. The inquiry confirmed that the test cases used adequately demonstrate compliance with DFS requirements for client devices.

The EUT utilizes the 802.11a/b/g/n/ac/ax architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz.

The manufacturer declares that Channel Puncturing is not supported.

EUT 1 was used during Client, Client to Client and Slave Device Peer to Peer modes.

EUT 2 was used during EUT Device Peer to Peer mode.

The software installed in EUT 1 is 15.4 (19E193) and the software installed in EUT 2 is 15.4 (19E197c).

The software installed in the access point is revision 7.7.9.

UNIFORM CHANNEL SPREADING

This function is not required per KDB 905462.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is an Apple, Inc. Access Point, FCC ID: BCGA1521. The minimum antenna gain for the Master Device is 1.4 dBi.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is -64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

The software installed in the access point is revision 7.7.9.

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8.2. CLIENT MODE RESULTS FOR 20 MHz BANDWIDTH

8.2.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5500 MHz.

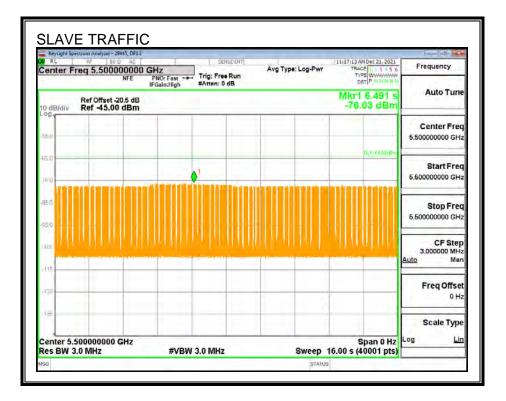
8.2.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

enter F	req 5.5000	NFE PI	NO: Fast 🔶	Trig Dela Trig: Vide		Avg Type	: Log-Pwr	01:54:47 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWWWW	
0 dB/div	Ref Offset -2 Ref -45.00	0.5 dB	iain:High	#Atten: 0	dB		-	Mkr1 23.99 ms -63.95 dBm	Auto Tune
9 9 56.0								DL # F# Girden	Center Freq 5.500000000 GHz
150 190								TRESILVE	Start Fred 5.500000000 GH:
50									Stop Frec 5,50000000 GH;
115 14 14	nan panan panan Manan panan pana Manan panan pan	adapadan Misingtin	ensielenip Antopolog	nythaathe attigethilige	androff land NAC Diff in	ndaropalina Genetiquipp	a fordalar Matikalar	and a second	CF Step 3.000000 MHz Auto Man
125									Freq Offset 0 Ha
enter 5	500000000 (247						Span 0 Hz	Scale Type

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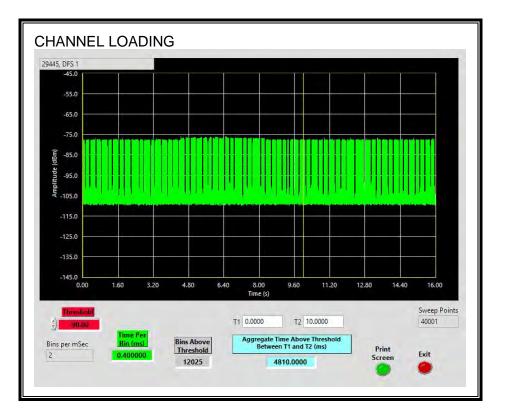
TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 48.1%

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8.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.2.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.0	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

RL	reg 5.5000000	000 GHz	[SENSE:UNT]	Avg Type: Log-Pwr	11:21:30 AM Dec 21, 2021 TRACE 1. 2 3 4 5 6	Frequency	
	NFE	PNO: Fast ++ IFGaln:High	#Atten: 0 dB		DET P N N N N	Auto Tune	
Ref Offset 20.6 dB ΔMkr1 0.000 s 10 dB/div Ref 45.00 dBm 0.00 dB							
-55/0 -65.0	142				pt) siculary	Center Freq	
-75.0						5.50000000 GH2	
4840) 495 () -105	Hotenadulla	etradonski i sala	n and an Alitha Marka	Andream and	eelaitiide etaalii zoho	Start Freq 5.50000000 GHz	
-110						Stop Freq 5.50000000 GHz	
Center 5. Res BW 3	500000000 GH; 3.0 MHz		3.0 MHz	Sweep	Span 0 Hz 16.00 s (40001 pts)	CF Step 3.000000 MHz Auto Man	
MKR MODE 1 1 Δ2 2 F 3	RC SCI t (Δ) t	× 0.000 s (Δ) 1.505 s	0.00 dB -64.10 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset	
4						0 Hz	
6 7 8 9						Scale Type	
10						Log <u>Lin</u>	

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CHANNEL CLOSING TIME

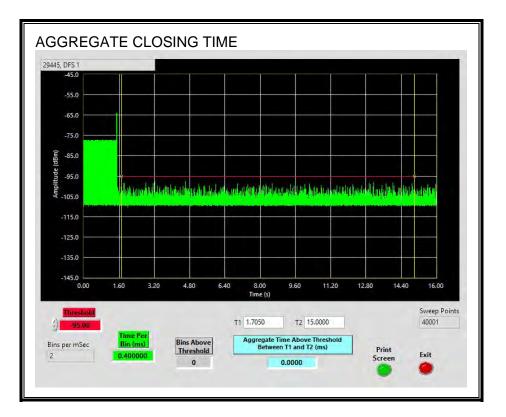
Reysight Spectrum Analyze - 2945, DFS I RL RF 50 Ω AC Center Freq 5.500000000 NFE	O GHz PNO: Fast Trig: VI	deo	in Type: Log-Pwr	124:12 AN Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWWW	Frequency		
IFGain:Iligh #Atten: 0 dB Despine the set of the set							
				D. I FIGIdam	Center Fred 5.500000000 GHz		
780				TROTAL	Start Fred 6.50000000 GHz		
85.Q	102				Stop Fred 5,50000000 GH2		
105		sa rughdanaa ararun.			CF Step 3.000000 MHz Auto Man		
-1267					Freq Offset 0 Hz		
198 Center 5.500000000 GHz				Span 0 Hz	Scale Type		

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.3. CLIENT MODE RESULTS FOR 40 MHz BANDWIDTH

8.3.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5510 MHz.

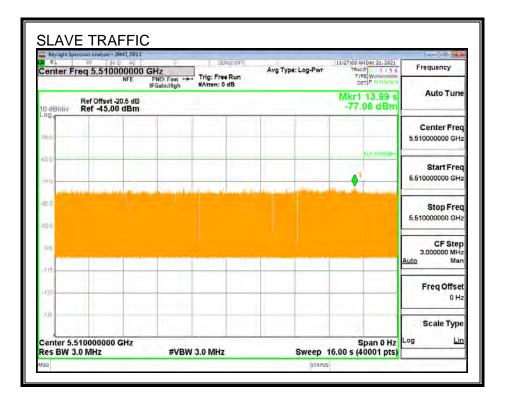
8.3.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

Frequency	01:54:24 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE W	: Log-Pwr	Avg Type		Trig Dela	PNO: Fast -+	0000000 C		enter F
Auto Tune	Ref Offset -20.5 dB63.99 dBm -63.99 dBm								
Center Fred 5.51000000 GHz						A1			99 . 56.0
Start Fred 5.510000000 GH:	DL1 FLOORBAN TRECT ML								40 40
Stop Free 5,51000000 GH									50
CF Step 3.000000 MH: Auto Mar	handraad katelika serana Yarihda arang ing penghi	hand hand h	ndarandara Manandara	ieroje Jahrys Verpensijery	la populari a la La populari a la fisia di	n landaan Millean la	norinadi updatipi	nang kaladan gateti (gelland)	nidat 115
Freq Offse 0 Ha									1251
Scale Type	Span 0 Hz						GH7	51000000	enter 5

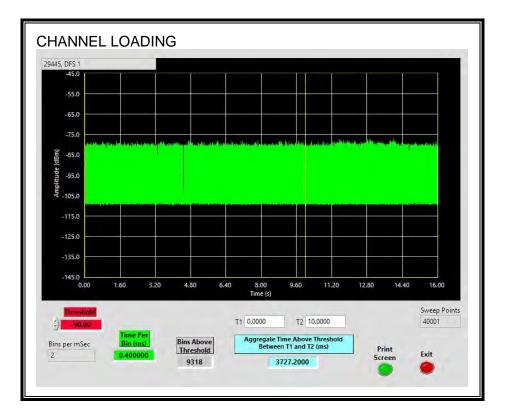
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 37.27%

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8.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.3.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.0336	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

RL	RF 50 Ω MC		SENSEIDIT		11:30:28 AM Dec 21, 2021			
	reg 5.5100000	DO GHZ	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE W	Frequency		
IFGaindligh #Atten: 0 dB 04/11/2000 00 00 00 00 00 00 00 00 00 00 00 00								
-0g						117 Aug. 444		
-65.0 -75.0	102				bij avoran	Center Fred 5.510000000 GHz		
860 950 -185		antina terrattaria	antinia fan de la san	No. Malerard spectra (en dur la diada	Start Fred 6.510000000 GH:		
-115 125 (38						Stop Fred 5.510000000 GH;		
Center 5 Res BW		#VBW	3.0 MHz	Sweep '	Span 0 Hz 16.00 s (40001 pts)	CF Step 3.000000 MH: Auto Mar		
1 Δ2 2 F 3 4 5	t (Δ)	33.60 ms (Δ) 1.517 s	-16.57 dB -64.31 dBm			Freq Offse 0 Hi		
6 7 8 9 10						Scale Type		

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CHANNEL CLOSING TIME

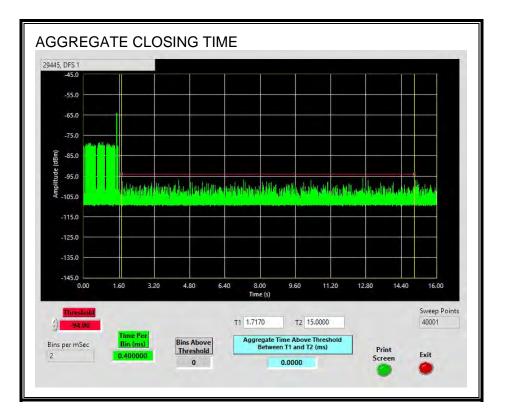
Frequency	11:33:39 AM Dec 21, 2021 TRACE 1 3 4 5 6 TYPE WWWWWWW	Avg Type: Log-Pwr	SENSENT Trig: Video	D GHz	50 0 AC 5.510000000 C	ter Freq 5.
Auto Tune	Mkr1 200.0 ms -39.53 dB	4	#Atten: 0 dB	IFGaln:High		
Center Free					-45.00 GBIN	Sigiv Rei
5.510000000 GHz	DL1 FE03dBar					
Start Fred 5.510000000 GHa	TRESING					
Stop Free 5,510000000 GH2						
CF Step 3.000000 MHz Auto Man	la nalanan ili ya shiri	ekter open blev frydkren (r).	Zallanlathanah	ndurha atiya 162	unisetsill Uçislind	IN UNIX day
Freq Offset 0 Hz						
Scale Type						

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.4. CLIENT MODE RESULTS FOR 80 MHz BANDWIDTH

8.4.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5530 MHz.

8.4.2. RADAR WAVEFORM AND TRAFFIC

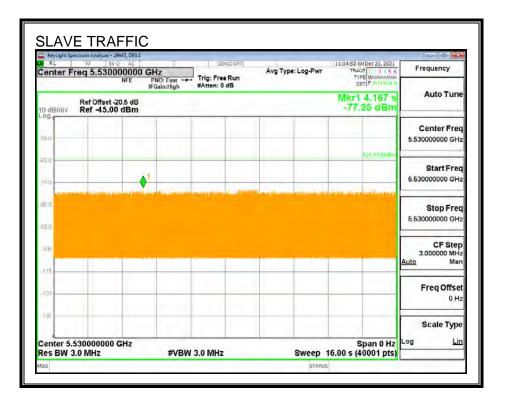
RADAR WAVEFORM

Reysight Spectrum Analyze - 29465, DFS1 RL RF 50 Ω AC Center Freq 5,530000000 NFE	PNO: Fast Trig:	SENSE:UNT Delay-4.000 ms Video	Avg Type: Log-Pwr	01:53:39 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWW DET P	Frequency		
IFGain:High #Atten: 0 dB Def [F 410 atten] Ref Offset 20.5 dB Mkr1 15.42 ms 10 dB/div Ref -45,00 dBm -63.99 dBm							
56 D.					Center Free 5.530000000 GHz		
260				DL V FILOHOM	Start Fred 5.530000000 GH:		
50					Stop Frec 5.530000000 GH;		
	o en Ninere des prisies Tres Ninere des prisies	dinina dina din Unipersepteta	and factoring and a second	Sandra (artachan Ranan barrangan	CF Step 3.000000 MH Auto Mar		
126					Freq Offse 0 H;		
Senter 5.530000000 GHz	#VBW 3.0 N			Span 0 Hz 2.00 ms (40001 pts)	Scale Type Log <u>Lin</u>		

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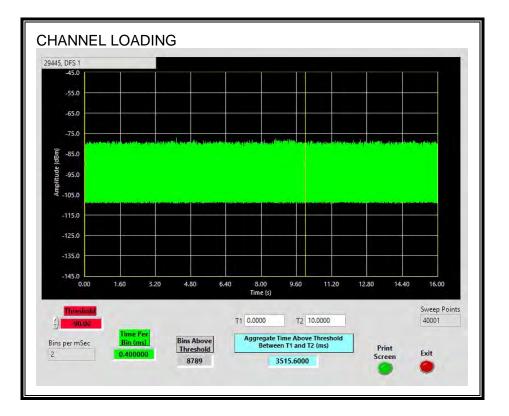
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 35.15%

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8.4.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.4.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.0084	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

RL	ectrum Analyzer - 29445, D RF 50 Q M		SENSE:INT	1	11:39:24 AM Dec 21, 2021	10-16-23
	reg 5.5300000	00 GHz		Avg Type: Log-Pwr	TRACE	Frequency
10 dB/div	Ref Offset -20.5 Ref -45.00 dB	B		Δ	Mkr1 8.400 ms -16.35 dB	Auto Tune
55.0						Center Fred
-65.0	142				DL) Bride (Bri	5.530000000 GHz
860 95 0 -105	Lagrant spectral set	n an aireann	alah merupakan sebatah seb	or hereity parts in the solution	nimerina de formalia	Start Fred 5.530000000 GH2
-415 125 (39						Stop Fred 5.53000000 GHz
Center 5. Res BW 3						CF Step 3.000000 MHz Auto Man
1 Δ2 2 F 3 4 5	t (Δ) t	× 8.400 ms (Δ) 1.571 s	-16.35 dB -64.30 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
6 7 8 9 10					— L	Scale Type

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CHANNEL CLOSING TIME

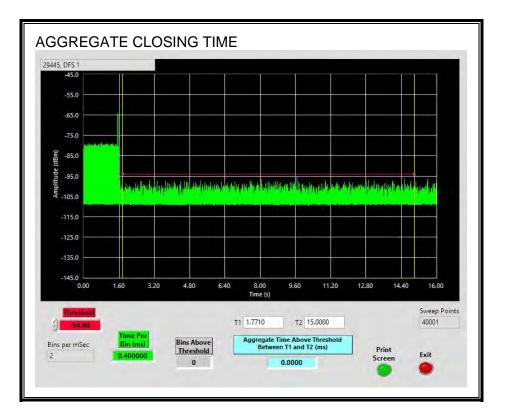
RL RF 500 AC Center Freq 5.53000000 NFE		Avg Type: Log-Pwr	1:42:30 AN Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWW	Frequency
Ref Offset -20.5 dl	3	ΔΜ	and a filled	Auto Tune
og, 法回			5.1 (10)@m	Center Fred 5.530000000 GHz
760			TROTAL	Start Fred 6.530000000 GHz
85 G V V V V V V V V V V V V V V V V V V				Stop Frec 5,53000000 GH:
100 PHILED International Inter	Juditishidada (142 Januari 144	in manage bird an table i de a fai de plus de plus de anna gen		CF Step 3.000000 MHz Auto Man
130				Freq Offset 0 Ha
enter 5.530000000 GHz			Span 0 Hz	Scale Type

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.4.5. 30-MINUTE NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.

RL RL SO Ω Ac Center Freq 5.53000000 NFE	DO GHZ	SENSE-BIT	Avg Type: Log-Pwr	12:22:22 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWW	Frequency
Ref Offset -20.5 dt	IFGain:High	#Atten: 0 dB		AMkr1 1.800 ks -25.00 dB	Auto Tune
eg en				DL1 114 Galeri	Center Freq 5.530000000 GHz
50 50 ×2					Start Freq 5.530000000 GHz
50					Stop Freq 5,53000000 GHz
	apap daebaage	quantinatata	idosaitean idasteara	alfillari) (142 Alfillari)	CF Step 3.000000 MHz Auto Man
125					Freq Offset 0 Hz
renter 5.530000000 GHz				Span 0 Hz	Scale Type

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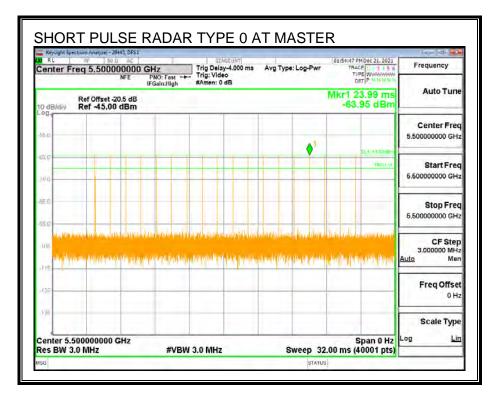
8.5. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 20 MHz BANDWIDTH

8.5.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5500 MHz.

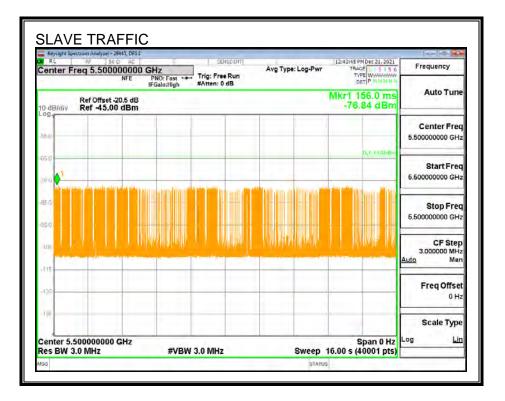
8.5.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



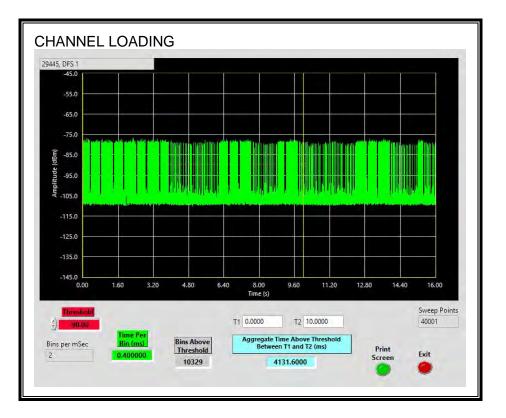
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 41.31%

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8.5.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.5.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.1328	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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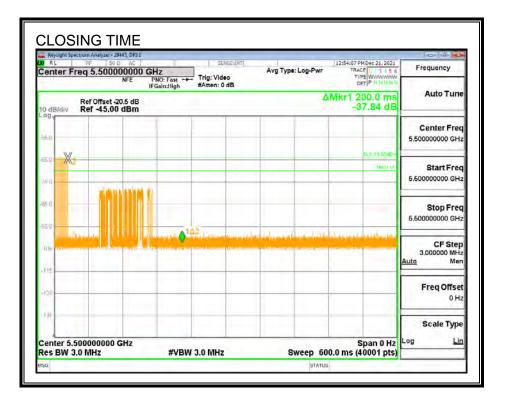
MOVE TIME

Keysight áp R.L	ectrum Analyzer - 29445, D RF 50 Q A		SENSE: INT	1	12:47:19 PM Dec 21, 2021	
	reg 5.5000000	00 GHz	100100000	Avg Type: Log-Pwr	TRACE 1 3 4 5 6 TYPE WHITEHING	Frequency
0 dB/div	Ref Offset -20.5 Ref -45.00 dB		#Atten: 0 db	Δ	Mkr1 132.8 ms -15.85 dB	Auto Tune
-09 -55,0 -65,0 -75,0	142				þlý skarapn	Center Fred 5.50000000 GHz
8840 9510 -105		natada (secondor da a	The entropy by the state of the	ni ar 14 marí al - Abbla d	nega Maila A Madalatar	Start Fred 6.50000000 GHz
-115 125 (38						Stop Freq 5.50000000 GHz
Center 5. Res BW 3			3.0 MHz	Sweep 1	Span 0 Hz 6.00 s (40001 pts)	CF Step 3.000000 MH: Auto Mar
1 Δ2 2 F 3 4 5	t (Δ) t	132.8 ms (Δ) 1.339 s	-15.85 dB -63.95 dBm			Freq Offset 0 Hz
6 7 8 9 10						Scale Type Log <u>Lir</u>

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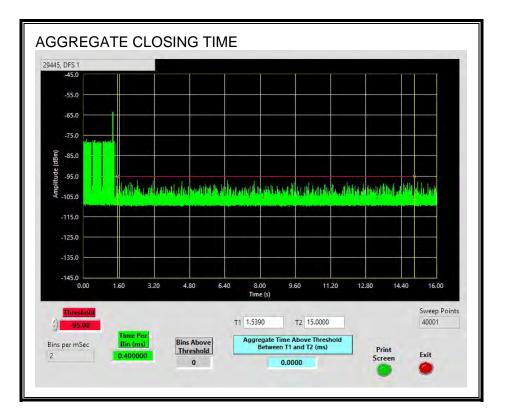
CHANNEL CLOSING TIME



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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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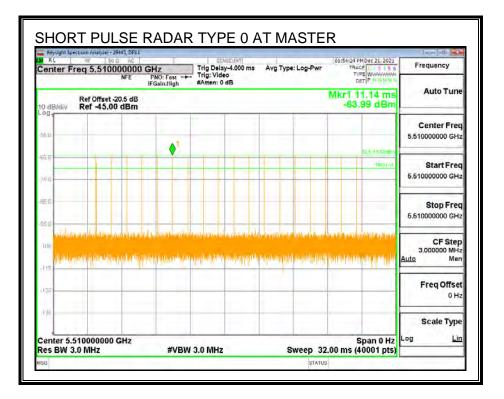
8.6. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 40 MHz BANDWIDTH

8.6.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5510 MHz.

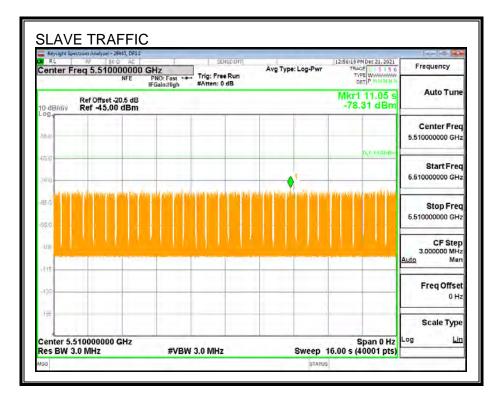
8.6.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



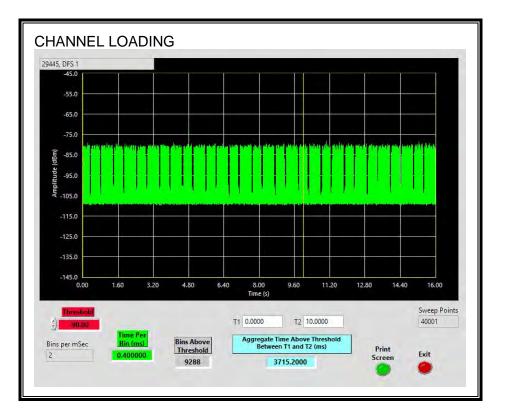
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 37.15%

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8.6.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.6.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.0936	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

Reysight a	pectrum Analyze - 2944 RF 50 Ω	AC	SENSERINT		12:59:33 PM Dec 21, 2021	
Center I	Freq 5.51000	0000 GHz	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WHAT WAR	Frequency
0 dB/dlv	Ref Offset -20 Ref -45.00		#Atten: 0 dB	۵	Mkr1 93.60 ms -17.86 dB	Auto Tune
-0g	1101 10100					internet and
-65,0 -75,0	×2				bt) avæiæn	Center Fred 5.510000000 GH2
850 850 -105	No Header	lethornal color of the r	le is familier in de kine is le	al ana sa ang manana ma	nolatali Sheher ()	Start Fred 6.510000000 GH:
-110 125 138						Stop Fred 5.510000000 GH;
	.510000000 G 3.0 MHz		3.0 MHz	Sweep 1	Span 0 Hz 6.00 s (40001 pts)	CF Step 3.000000 MH: Auto Mar
1 Δ2 2 F 3 4 5	t (Δ) t	93.60 ms (Δ) 1.545 s	-17.86 dB -64.24 dBm			Freq Offse 0 H:
6 7 8 9						Scale Type
10					6	Log <u>Lir</u>

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CHANNEL CLOSING TIME

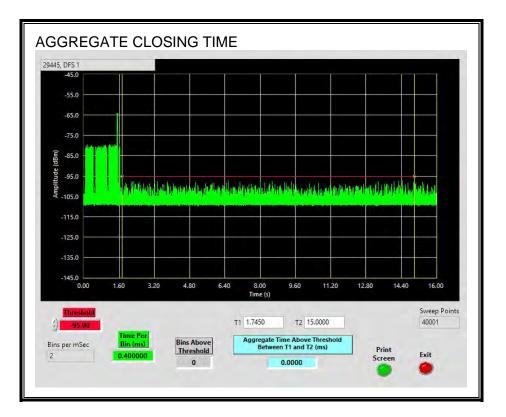
Frequency	01:03:38 PM Dec 21, 2021 TRACE 1 3 4 5 6 TYPE WWWWWWW	Avg Type: Log-Pwr	SENSE-UNT		er Freg 5.5100000
Auto Tune	Mkr1 200.0 ms -37.31 dB	4	#Atten: 0 dB	IFGain:High	Ref Offset -20.5 di
Center Freq					aw Rei 45.00 abi
5.510000000 GH	DL4 F# CO dBm				N/L
Start Fred 5.510000000 GHa	TROLLY				-X.2
Stop Frec 5,510000000 GH					
CF Step 3.000000 MHz Auto Man	anta)))) an - an ann	a ta sei a lei sei sei sei sei sei sei sei sei sei s	A2 Washing and a second	Leves and in Alf	
Freq Offset 0 Ha					
Scale Type					

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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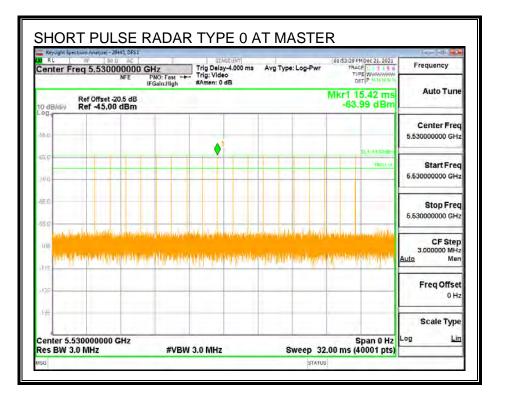
8.7. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 80 MHz BANDWIDTH

8.7.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5530 MHz.

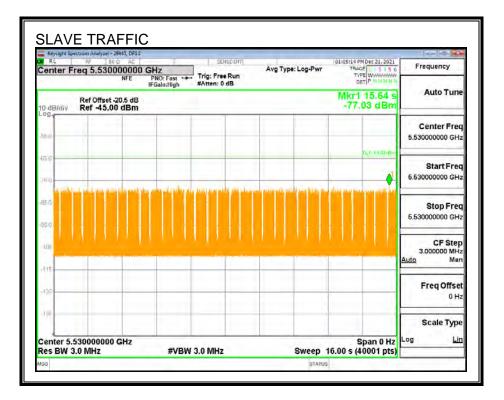
8.7.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



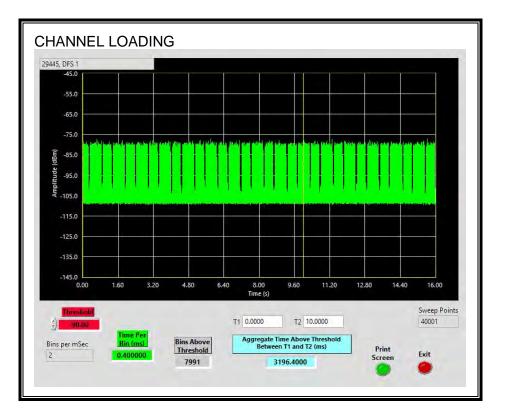
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 31.96%

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8.7.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.7.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.1312	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

R L	ectrum Analyze: - 29445, RF 50 Ω	DFS1	SENSE:INT	1	01:09:56 PM Dec 21, 2021	
Center F	reg 5.530000	000 GHz	and a man	Avg Type: Log-Pwr	TRACE 1 P 3 4 5 6 TYPE WWW.	Frequency Auto Tune
10 dB/div	Ref Offset -20.5 Ref -45.00 dB	dB		۵	Mkr1 131.2 ms -16.51 dB	
- og (55.0						Center Fred
-65,0	142				DL) Birkbruger	5.530000000 GHz
8600 950) -105	internation of	ayullar et a comp	njegovatav (by nikovske)	de a la contra da	oping, dig an contact	Start Fred 5.530000000 GH2
-115 175 138						Stop Fred 5.530000000 GHz
Res BW		#VBW	3.0 MHz		Span 0 Hz 6.00 s (40001 pts)	CF Step 3.000000 MHz Auto Man
MX9 MODE 1 1 Δ2 2 F 3 4 5 6	t (Δ) t	x 131.2 ms (Δ) 1.551 s	-16.61 dB -64.27 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
6 7 8 9 10						Scale Type Log <u>Lin</u>

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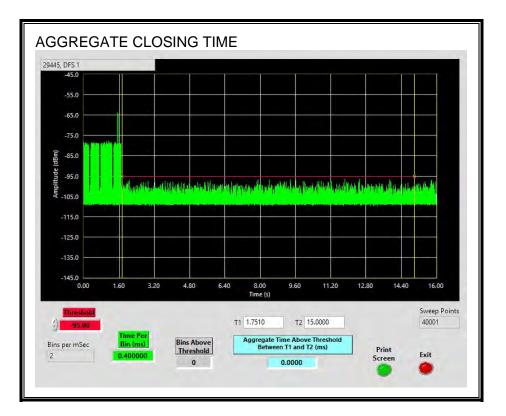
CHANNEL CLOSING TIME

Frequency	(01:14:15 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWW	Avg Type: Log-Pwr	SENSE-UNT	PNO Fast TI	ight Spectrum Analyze - 29445, DF: IF 50 0 AC er Freq 5.53000000 NFE				
Auto Tune	NFE PNO: Fast →→ Ing: Video Call Print IFGalnitigh #Atten: 0 dB Call Print Call Print Ref Offset 20.5 dB ΔMkr1 200.0 ms -36.98 dB -36.98 dB								
Center Freq					1017 Rel 45.00 (101)				
5.530000000 GHz	DLA FROM BIN								
Start Freq 6.53000000 GHz	TROUV				- X-2				
Stop Freq 5,53000000 GHz									
CF Step 3.000000 MHz Auto Man	the state of the s	da terder here bis da	n elever by welch tertener - optimise - the optim		WITH HILL CAREAU CARDINAL				
Freq Offset 0 Hz									
Scale Type									

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.7.5. 30-MINUTE NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.

RL aF	50 0 AC 530000000 GH		ee Run	vg Type: Log-Pwr	01:51:25 PM Dec 21, 2021 TRACE 1 3 5 6 Type DET P	Frequency
0 dB/div Ref -	ffset -20.5 dB 45.00 dBm			1	Mkr1 1.800 ks -23.20 dB	Auto Tune
60 60					D.) 1463-6m	Center Free 5.530000000 GHz
50 80 X2						Start Fred 5.530000000 GH:
50						Stop Frec 5,53000000 GH;
	ndralingian	or farfyriader (ffaryf	nne, kityense	inderblinentur		CF Step 3.000000 MH Auto Mar
120						Freq Offse 0 H;
enter 5.530000	000 642				Span 0 Hz	Scale Type

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8.8. PEER TO PEER MODE EUT RESULTS FOR 20 MHz BANDWIDTH

8.8.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5500 MHz.

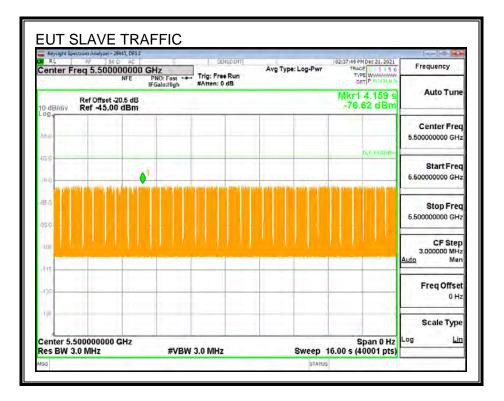
8.8.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

RL	ctrum Analyzes - 2 ਹF 50	Q AC	+		NSE:ENT			01:54:47 PM Dec 21, 2021	Frequency
Center F	reg 5.5000	NFE P	IZ NO: Fast → Galn:High			Avg Typ	e: Log-Pwr	TRACE 1 3 5 6 TYPE WWWWWWW DET P 14 14 14	, requirey
0 dB/div	Ref Offset -	20.5 dB	samingn					Mkr1 23.99 ms -63.95 dBm	Auto Tune
560									Center Freq
								DLA FROME	
75.0								TRES (A)	Start Fred 5.50000000 GHa
95 (0)									Stop Free 5,50000000 GHz
105 104 104 104 104 104 104 104 104 104 104	andarka di 6 <mark>1978-1</mark> 9	na ana ana an Ny George am	lana ana ana ana ana ana ana ana ana ana	lageth sacha pathrophilter	landepetion New prime	nhrophine Gauly(¹ 1)	al foreditore Ministration	di ning pala baharan terrepi Salah jin jinter di ting terting	CF Step 3.000000 MH2 Auto Man
125									Freq Offset 0 Ha
\$ 36									Scale Type
Center 5.	00000000	GHz		/ 3.0 MHz				Span 0 Hz .00 ms (40001 pts)	

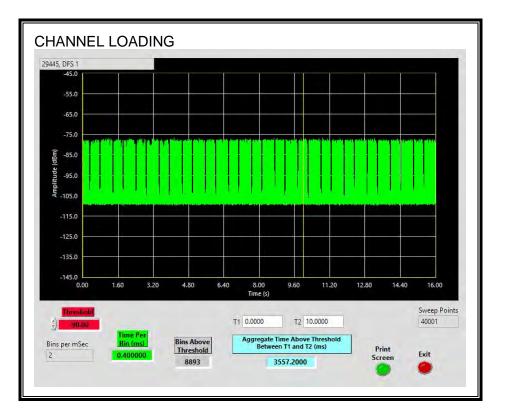
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 35.57%

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8.8.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.8.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.1148	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

1-co- -di- -di	02:48:45 PM Dec 21, 2021		INSE: INT			2er - 29445, DFS 1 50 Ω AC	ectrum Anal		
Frequency	TRACE 1 P 3 4 5 6 TYPE WWWWWW	Avg Type: Log-Pwr	e Run		GHz PNO: Fast -+	00000000 NFE			
	Mkr1 114.8 ms -16.34 dB	Δ			ir Samirnigh	fset -20.5 dB 15.00 dBm		B/dlv	
Center Free							1	1	-00
5.50000000 GH	bti avooren					Δ2			65,1
Start Free 5.500000000 GH:	and data and a state of the last	hintenleidurat	Verillia I an	Annalacto	ใหม่งหม่อมูลอ	Randastaan			161 95 -103
Stop Free 5,50000000 GH								-	-11 12 13
	Span 0 Hz 16.00 s (40001 pts)		Z	/ 3.0 MH	#VBW	000 GHz	.0 MHz		Res
Freq Offse 0 Hi			dB		114.8 ms (Δ) 1.688 s		t (Δ t	Δ2 F	12345
Scale Type									678910 11

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CHANNEL CLOSING TIME

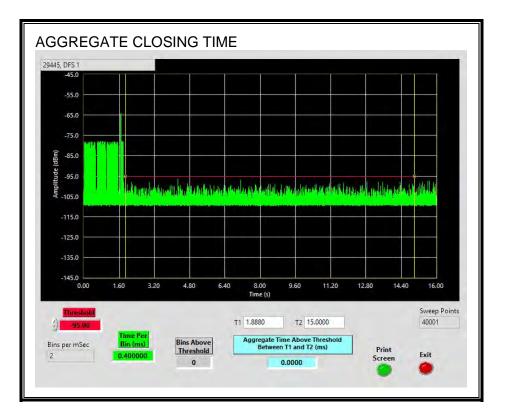
Frequency	02:53:41 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWW	Avg Type: Log-Pwr	SENSE:UNT		ctrum Analyze - 29445, DFS 1 σF 50 Ω AC reg 5,500000000 (NFE	RL
Auto Tune	Mkr1 200.0 ms -38.32 dB	۵	Atten: 0 dB	PNO: Fast ++ Tr IFGaln:High #4	Ref Offset -20.5 dB Ref -45.00 dBm	0 dB/div
Center Fred 5.50000000 GHz					Rel 45.00 UBII	og g
Start Freq 5.50000000 GHz	DL, I FRIDDISH TRICLYL					260 X
Stop Freq 5,50000000 GHz						95 0
CF Step 3.000000 MHz Auto Man	hadan son dharashina	radation the second second	arg han di yana ya	nd In Alaz	T THE WALL BARNES	125
Freq Offset 0 Ha						126
Scale Type	Span 0 Hz				00000000 GHz	anter 5

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.9. PEER TO PEER MODE EUT RESULTS FOR 40 MHz BANDWIDTH

8.9.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5510 MHz.

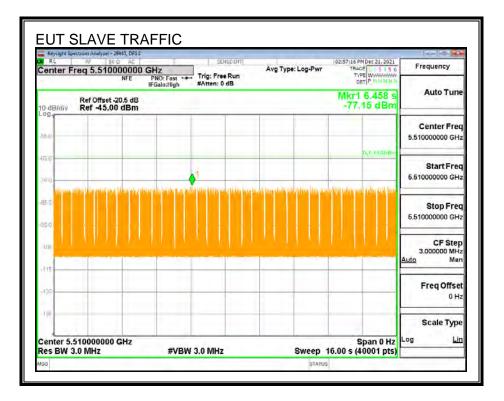
8.9.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

enter F		0000000 G NFE	HZ PNO: Fast ↔ FGaln:High	Trig Dela		Avg Type:	Log-Pwr	01:54:24 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE W	
Ref Offset -20.5 dB Mkr1 11.14 ms 10 dB/div Ref -45.00 dBm -63.99 dBm									Auto Tune
56.D			1						Center Free 5.510000000 GH:
150 180								TRESTM	Start Fred 5.510000000 GH:
50									Stop Free 5,510000000 GH
125 1000	nan parata Inni di Inni i	jaanistadu tapaladiyys	ny harring in Ny hAG-AN-AG	landanala Ny finitr'i	terreter belange er genesigen	ngasagald	ner och de sond er en de lie fan f	nadan kiranan Kabupatèn k	CF Step 3.000000 MH: Auto Mar
125							_		Freq Offse 0 H
enter 5.	51000000	0 GH7						Span 0 Hz	Scale Type

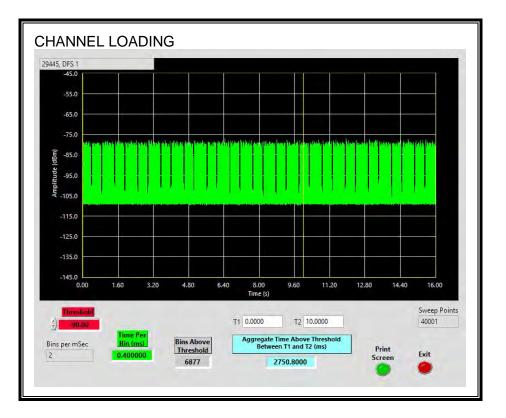
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 27.5%

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8.9.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.9.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.1504	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

Reysight a	pectrum Analyzer - 2944 RF 50 Ω	AC T	SENSE:INT	1	03:00:54 PM Dec 21, 2021				
	reg 5.51000			Avg Type: Log-Pwr	TRACE 1 P 3 4 5 6 TYPE WWWWWWW	Frequency			
Ref Offset -20.5 dB -21.52 dB -21.52 dB -21.52 dB									
55.0						Center Free			
65.0	×2				bl) armin	5.510000000 GH			
8800 - 950 -105		hogenalam	terin Dan Belger (1943)	edaeth.edaett.eo	appartante de la provi	Start Fred 5.510000000 GH:			
-110 175 198						Stop Fred 5.510000000 GH;			
	.510000000 G 3.0 MHz		3.0 MHz	Sweep 1	Span 0 Hz 6.00 s (40001 pts)	CF Step 3.000000 MH Auto Mar			
1 Δ2 2 F 3 4 5	t (Δ) t	150,4 ms (Δ) 1,594 s	-21.62 dB -64.75 dBm	NCTION FUNCTION WOTH	PUIX-HORVACIE	Freq Offse 0 H:			
6 7 8 9 10						Scale Type			

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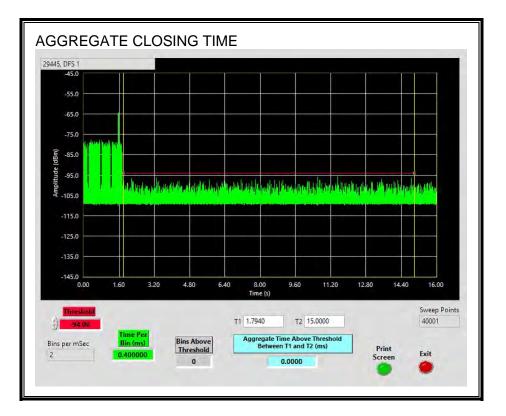
CHANNEL CLOSING TIME

RL RF 50 Ω AC enter Freg 5.510000000 NFE	CHZ	Avg Type: Log-Pwr	03:03:40 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWW	Frequency				
IFGain:tligh #Atten: 0 dB Det P Ref Offset -20.5 dB ΔMkr1 200.0 ms 10 dB/div Ref -45.00 dBm -37.48 dB								
Do and a second se			D.4 FERDISEN	Center Fred 5.510000000 GHz				
760			TROINA	Start Fred 5.510000000 GH:				
860				Stop Fred 5,510000000 GH				
115		n the state of the plants of the state of the	t - San - Alterativellet - San - San Barana Stationalde	CF Step 3.000000 MH: Auto Mar				
125				Freq Offse 0 Hi				
Fenter 5.510000000 GHz			Span 0 Hz	Scale Type				

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.10. PEER TO PEER MODE EUT RESULTS FOR 80 MHz BANDWIDTH

8.10.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5530 MHz.

8.10.2. RADAR WAVEFORM AND TRAFFIC

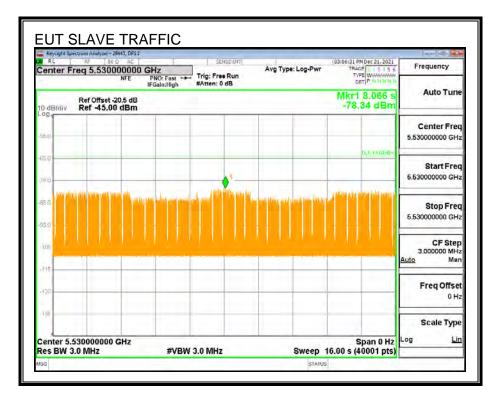
RADAR WAVEFORM

Frequency	01:53:39 PM Dec 21, 2021 TRACE 1 3 5 6 T/PE W	: Log-Pwr	Avg Type		Trig Dela Trig: Vide	NO: Fast -+	00000 G	reg 5.530	enter F
Auto Tune	Ref Offset -20.5 dB Mkr1 15.42 ms 10 dB/div Ref -45.00 dBm -63.99 dBm								
Center Free 5.530000000 GH:									og -
Start Free 5.53000000 GH:	DL 1 F1 G0 dBm TRe5 (v)		H						50 90
Stop Free 5.53000000 GH									50
CF Step 3.000000 MH: Auto Mar	n teleparte anna 1919 (n 1919 (na faitheachta)	ang kang pangala Ing kang pangala	nderseljad) regli regisjad	ndraadha Viitipiniidae	ste fra sje	drandaired NUMERANIS	alampika (philipina	anglandinasi Angganasi ((
Freq Offse 0 H					_		-		125-
Scale Type	Span 0 Hz						GH7	53000000	enter 5

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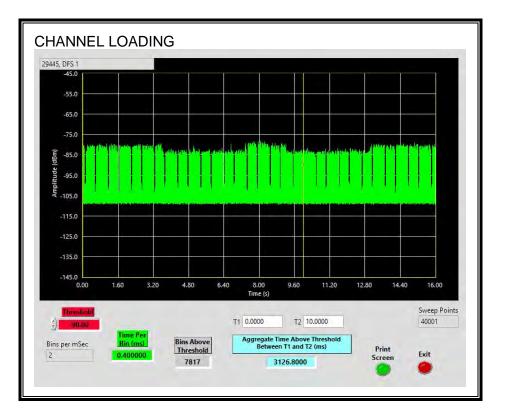
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 31.26%

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8.10.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.10.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.126	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

RL	rum Analyze: - 29445, DFS RF 50 Ω AC		SENSELINT	1	03:12:35 PM Dec 21, 2021			
	g 5.53000000 NFE	0 GHz PNO: Fest	and Store of	Avg Type: Log-Pwr	TRACE 1 P 3 4 5 6 TYPE WWWWWW DET P 4 N N N	Frequency		
Ref Offset -20.5 dB ΔMkr1 126.0 ms 10 dB/dlv Ref -45.00 dBm -17.10 dB								
0g						Center Fred		
65.0 75.0	142				DL1 BirkD (Bri	5.530000000 GHz		
85-0 95-0 -185	a starting the starting	HTTE DE BERRELE AND	n in the second second	Provide a state of the state of	Manager and the second second	Start Fred 5.530000000 GHz		
-115 125 138						Stop Frec 5.530000000 GH;		
Center 5.53 Res BW 3.0		#VBW	3.0 MHz	Sweep '	Span 0 Hz 16.00 s (40001 pts)	CF Step 3.000000 MH: Auto Mar		
1 Δ2 2 F 3 4 5	t (Δ) t	126.0 ms (Δ) 1.622 s	-17.10 dB -64.74 dBm			Freq Offse 0 Hi		
6 7 8 9 10						Scale Type		

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CHANNEL CLOSING TIME

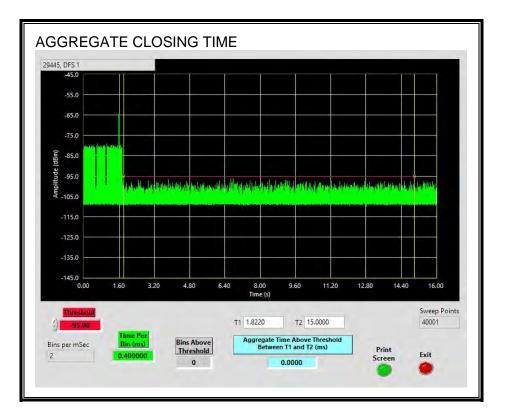
Frequency	03:15:17 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWWW	Avg Type: Log-Pwr	I SENSE:UNTI Trig: Video #Atten: 0 dB	natyze - 29445, DFS1 50 0. 4C .5300000000 GHz NFE PNO: Fast →→ IFGain:High	RL RF.				
	Ref Offset -20.5 dB -38.55 dB -38.55 dB								
Center Fred 5.530000000 GHz	5.4 (10)dam								
Start Fred 6.53000000 GH:	TRO I VI				0				
Stop Free 5,53000000 GH					a 0				
CF Step 3.000000 MH: Auto Mar		i sekanti i saturi ca		14.14.19.19.19.19.19.19.19.19.19.19.19.19.19.	S Control Constraints				
Freq Offse 0 Ha					e				
Scale Type	Span 0 Hz			10000 GHz	nter 5.53000				

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.10.5. 30-MINUTE NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.

Frequency	03:52:14 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWW DET P	: Log-Pwr	Avg T)	SENSELDIT Trig: Free Run	PNO: Fast	mm Analyze - 29445, DFS1 RF 50 Ω AC 90 5.530000000 NFE	RL	R		
Auto Tune	Ref Offset -20.5 dB -28.67 dB -28.67 dB									
Center Freq 5.530000000 GHz								56 0		
Start Freq 5.530000000 GHz	DL 1 14 03x89m							550 150		
Stop Freq 5,53000000 GHz								85 E		
CF Step 3.000000 MHz Auto Man	r helenker ha i a a a ll	ning Basian Ali	est _{au} totular	nahudaan	<u>Dahussinny</u>	hip kilon (h. 1997) M	1	112		
Freq Offset 0 Hz								126		
Scale Type	Span 0 Hz					80000000 GHz		ten		

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8.11. PEER TO PEER MODE PEER SLAVE DEVICE RESULTS FOR 20 MHz BANDWIDTH

8.11.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5500 MHz.

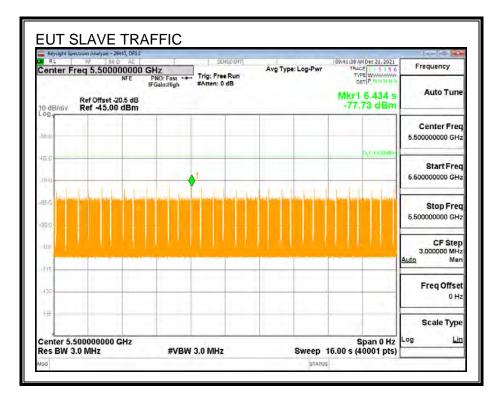
8.11.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

	nelyze: - 29445, DFS1		SENSE:ENTI		01.01.01.01.01.00.01.0001	0 6 2
Center Freq 5.50000000 GHz		PNO: Fast TI	rig Delay-4.000 ms rig: Video Atten: 0 dB	Avg Type: Log-Pwr	01:54:47 PMDec 21, 2021 TRACE 1 5 5 6 TVPE WWWWWWWW	Frequency
	offset -20.5 dB	IFGain:High #/	Atten: 0 dB		Mkr1 23.99 ms -63.95 dBm	Auto Tune
60	40,00 0.00				1111730	Center Free 5.50000000 GH
50					DL1 E1 COdem	-
80					TRESING	Start Free 5.50000000 GH
50						Stop Free 5,50000000 GH
ns na line a li	ka dan parti Mangara	andrenden staden openet inder oder	haarinnaadiyiii ka Yiliiyii kaa jirii a	ladarapitansi ku daar Maani (1979-1945) daa	ditan paka manakarak Kalin juta sela tana	CF Step 3.000000 MH: Auto Mar
25						Freq Offse 0 H
196						Scale Type
					Span 0 Hz	Log Li

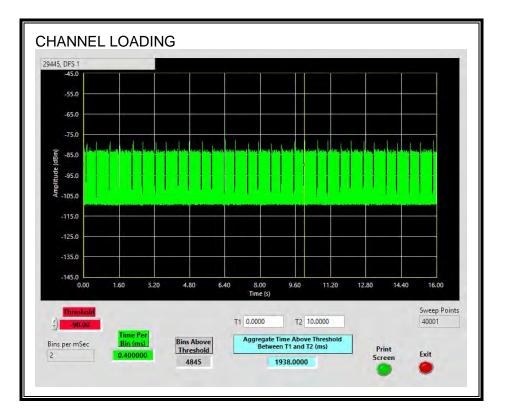
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 19.38%

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8.11.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.11.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.2496	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
12.000	60

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MOVE TIME

	ectrum Analyze: - 29						062
Center F	req 5.50000	NFE PNO	Fast Trig	: Free Run en: 0 dB	Avg Type: Log-Pw	09:47:04 AM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWWW DET P 14 N N N	Frequency
0 dB/dly	Ref Offset -2 Ref -45.00	0.6 dB				ΔMkr1 249.6 ms -20.63 dB	Auto Tune
0g 5.0				1			Center Free
65.0 75.0	×2					pt) sharen	5.50000000 GH
8-11 (2 m) (1 16-11 105		hunnhaut Auf	usaaliikkhaad	الممازية	ak deter da se till av	hlagnineanistaterrom	Start Free 6.500000000 GH
115							Stop Free 5.50000000 GH
enter 5. es BW 3		3Hz ×	#VBW 3.0 I		Sweep	Span 0 Hz 16.00 s (40001 pts) H Function value	CF Step 3.000000 MH Auto Ma
Δ2 2 F 3 4 5	t (Δ) t	249.6 1.5		0.63 dB 36 dBm			Freq Offse 0 H
6 7 8 9							Scale Type
10							Log Li

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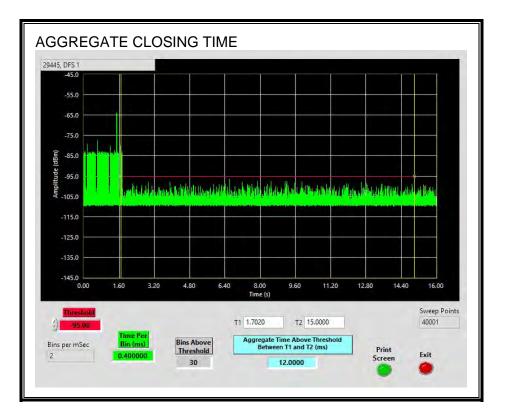
CHANNEL CLOSING TIME

enter Freg 5.50000000	0 GHz PNO: Fast Trig: Video	Avg Type: Log-Pwr	09:50:29 AM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWWW	Frequency
Ref Offset -20.5 dE	IFGain:High #Atten: 0 dl		Mkr1 200.0 ms -37.32 dB	Auto Tune
en la				Center Fred
50 X2			D. 1 (100 mbm	
80			TRICLA	Start Fred 5.50000000 GH:
is di <u>Alfreni</u>				Stop Free 5,50000000 GH
	na hara ana ang tang tang tang tang tang tang	erik (amini prossi al anconseler) Antonia	in the set of the state	CF Step 3.000000 MH Auto Mar
125				Freq Offse 0 H;
1 [0]				Scale Type

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



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8.12. PEER TO PEER MODE EUT RESULTS FOR 40 MHz BANDWIDTH

8.12.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5510 MHz.

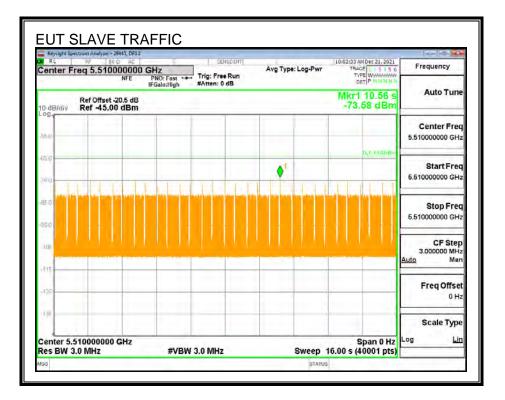
8.12.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

Frequency	(01:54:24 PM Dec 21, 2021 TRACE 1 3 5 6 TYPE WWWWWWW	: Log-Pwr	Avg Type		Trig Dela	PNO: Fast -+	50 Ω AC 510000000 0 NFE	req 5.		Cen
Auto Tune	Mkr1 11.14 ms -63.99 dBm			dB	#Atten: 0	FGaln:High	ffset -20.5 dB 45.00 dBm		IB/div	
Center Freq 5.510000000 GHz						1				99.
Start Fred 5.510000000 GH2	DL1 F1004Bm								-	50 80
Stop Fred 5,51000000 GHz										50
CF Step 3.000000 MHz Auto Man	nan na hananan 'nan na hananan	anadataan Anadataan	n de martine de Response a parti	aroje Jahry Vroje Jahry	lenskamela (djej)miljite	ny haratanin Ny haratana	alaan aan ahaa dagaa dagaa Ana ahaa ahaa ahaa dagaa da	nen del Nen del	nida Jula	115
Freq Offset 0 Ha										125
Scale Type	Span 0 Hz						0000 GHz	51000		i jii

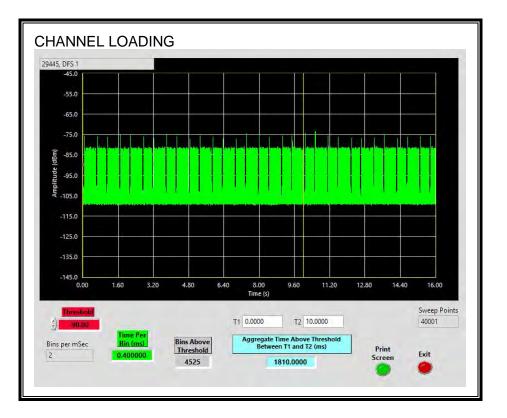
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 18.1%

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8.12.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.12.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

<u>RESULTS</u>

Channel Move Time	Limit
(sec)	(sec)
0.068	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

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MOVE TIME

RL	ctrum Analyzes - 29445, 0 RF 50 Ω //	C	SENSEIINT		10:05:48 AM Dec 21, 2021	
enter Fr	eq 5.5100000		Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE With the	Frequency
	Art	IFGain:High	#Atten: 0 dB		DETPANNA	Auto Tun
0 dB/div	Ref Offset -20.5 Ref -45.00 dE			Δ	Mkr1 68.00 ms -19.51 dB	Auto Tuli
0g 55.0						Center Free
65.0	×2				DL) avoiden	5.510000000 GH
750	142					
eena 👘						Start Free
95-0	10.000.000	ala shi ana s	and hards a sector	Interior Anterior	Louis C. March Market and Mark	5.510000000 GH
-105	T another advised	sufficient to service and	SCOOL STANDARD CONTRACT	We with the state of the second state of the s	ALC REPORT OF A DESCRIPTION OF A	
115						Stop Free
126						5.51000000 GH
-						
Center 5.3 Res BW 3	10000000 GH		3.0 MHz	Sweep 1	Span 0 Hz 6.00 s (40001 pts)	CF Step 3.000000 MH
KR MODE TR	C SCI	×	Y FL	INCTION FUNCTION WDTH	FUNCTION VALUE	<u>Auto</u> Mar
1 A2 2 F	t (Δ)	68.00 ms (Δ) 1,654 s	-19.61 dB -64.23 dBm			
3						Freq Offse
5					0.	UH
6 7 8						Scale Type
9						1. The second second
11					6	Log <u>Li</u>

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CHANNEL CLOSING TIME

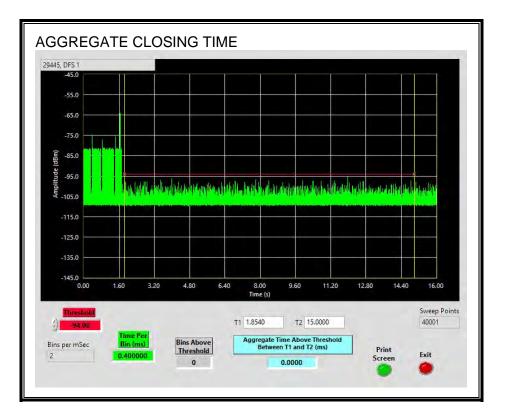
Frequency	10:11:44 AN Dec 21, 2021	Avg Type: Log-Pwr	SENSELENT	50 0 AC	RL RL
	TYPE WWWWWWW	Avg type. Logit wi	Trig: Video #Atten: 0 dB	NFE PNO: Fast ~ IFGain:High	enter Freq
Auto Tune	Mkr1 200.0 ms -36.72 dB	Δ		Offset -20.5 dB -45.00 dBm	dB/div Re
Center Freq					Pa
5.510000000 GHz					6.U
Start Freq	DL1 E100 dBm TRES I VI				50 <mark>. X2</mark>
5.510000000 GHz					80
Stop Freq				nin Malai A. Lany	s.d.
5,510000000 GHz					50
CF Step	Downer the anticipant	n an saidheilte de die	daj este antidos atoraçãos	nder der der Verlage sociale in der	
3.000000 MHz Auto Man					115
Freq Offset					
0 Hz	·				10
Scale Type					96
	Span 0 Hz				enter 5.5100

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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



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8.13. PEER TO PEER MODE EUT RESULTS FOR 80 MHz BANDWIDTH

8.13.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5530 MHz.

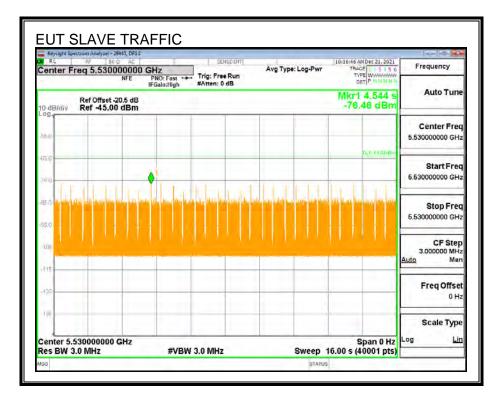
8.13.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM

Frequency	01:53:39 PMDec 21, 2021 TRACE 1 3 5 6 TVPE W	: Log-Pwr	Avg Type		Trig Delay	PNO: Fast	50 0 AC 30000000 C NFE	req (Cer
Auto Tune	Mkr1 15.42 ms -63.99 dBm			as	#Atten: 0	Gain:High	set -20.5 dB		IB/div	
Center Freq 5,53000000 GHz										og.
Start Free	DL4 64 00 dBm			1	•		-	-	-	75 O
5.53000000 GH2	TRUCTOR									60
Stop Fred 5.53000000 GHz										95 0
CF Step 3.000000 MHz Auto Man	enderen franzisteten geographischen	anderseeding	- - -	valen older Vikip tiller	an garain Milimetri	n nandaireil Milleradiw	ntun data an	andra Antra P	(0.0.)	109
Freq Offse 0 Hi										125
Scale Type						-			-	135

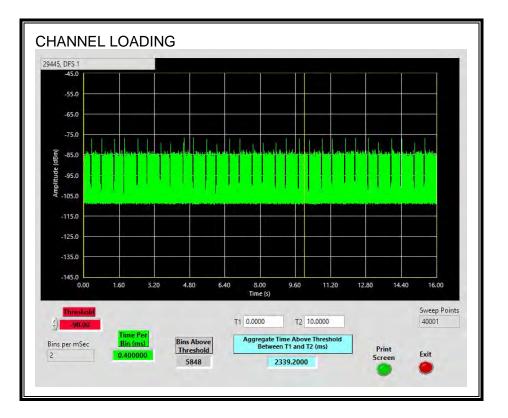
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TRAFFIC



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CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 23.39%

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8.13.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

8.13.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
4.108	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.040	60

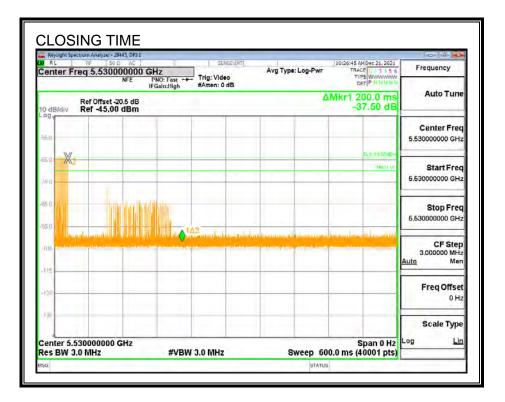
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MOVE TIME

RL	ar 50 Ω Freq 5.530000	000 GHz	SENSELINT	Avg Type: Log-Pwr	10:21:27 AM Dec 21, 2021 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P M N N N				
0 dB/dlv	Ref Offset 20.5 dB								
65.0 75.0	¥2	162			CL) ar conten	Center Free 5.530000000 GH			
7540 (540) 951) -105	in a start of the	uiteride pentela	lyner fyl Rafner y Sora Albaia	n mi ang	ana ang ang ang ang ang ang ang ang ang	Start Free 5.530000000 GH			
-115 176 138						Stop Free 5,53000000 GH			
Center 5.530000000 GHz Span 0 Hz Res BW 3.0 MHz #VBW 3.0 MHz Sweep 16.00 s (40001 pts)									
1 Δ2 2 F 3 4 5	t (Δ) t	× 4.108 s (Δ) 1.594 s	-15.53 dB -64.28 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H			
6 7 8 9 10						Scale Type			

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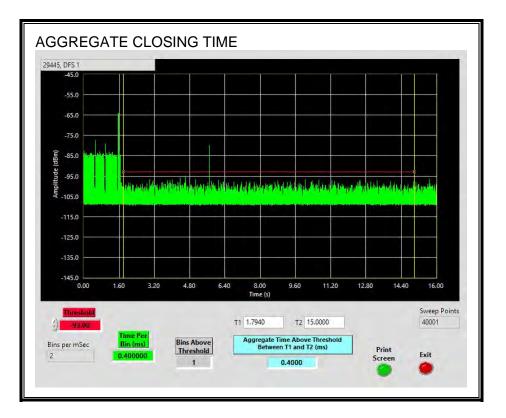
CHANNEL CLOSING TIME



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AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



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8.13.5. 30-MINUTE NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.

Frequency	11:07:30 AN Dec 21, 2021 TRACE 1 3 1 5 6 TYPE WWWWWWW DET P	: Log-Pwr	Avg Typ	SENSE:UM	O: Fast Trig	0000000 GI		1.00	R
Auto Tune	Ref Offset -20.5 dB AMkr1 1.800 ks dB/div Ref -45.00 dBm -30.79 dB								
Center Freq 5.530000000 GHz									56.0
Start Freq 5.530000000 GHz	DL1 K4 03 KBm							Xa	05 0 75 0
Stop Freq 5,53000000 GHz									95.0
CF Step 3.000000 MHz Auto Man	ninding Plane by	linder) (Mile	a Uçural	ny Punchel	Provide provide	All renthing	(duwa)da	doing	115
Freq Offset 0 Hz									1361
Scale Type	Span 0 Hz					0 GHz	3000000	ter 5.53 BW 3.0	

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9. SETUP PHOTOS

Please refer to setup photo report 13911916-EP1V1

END OF REPORT

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