

# Detection Bandwidth Test Report

2024-01-09-12:53:39



## Test Setup Information

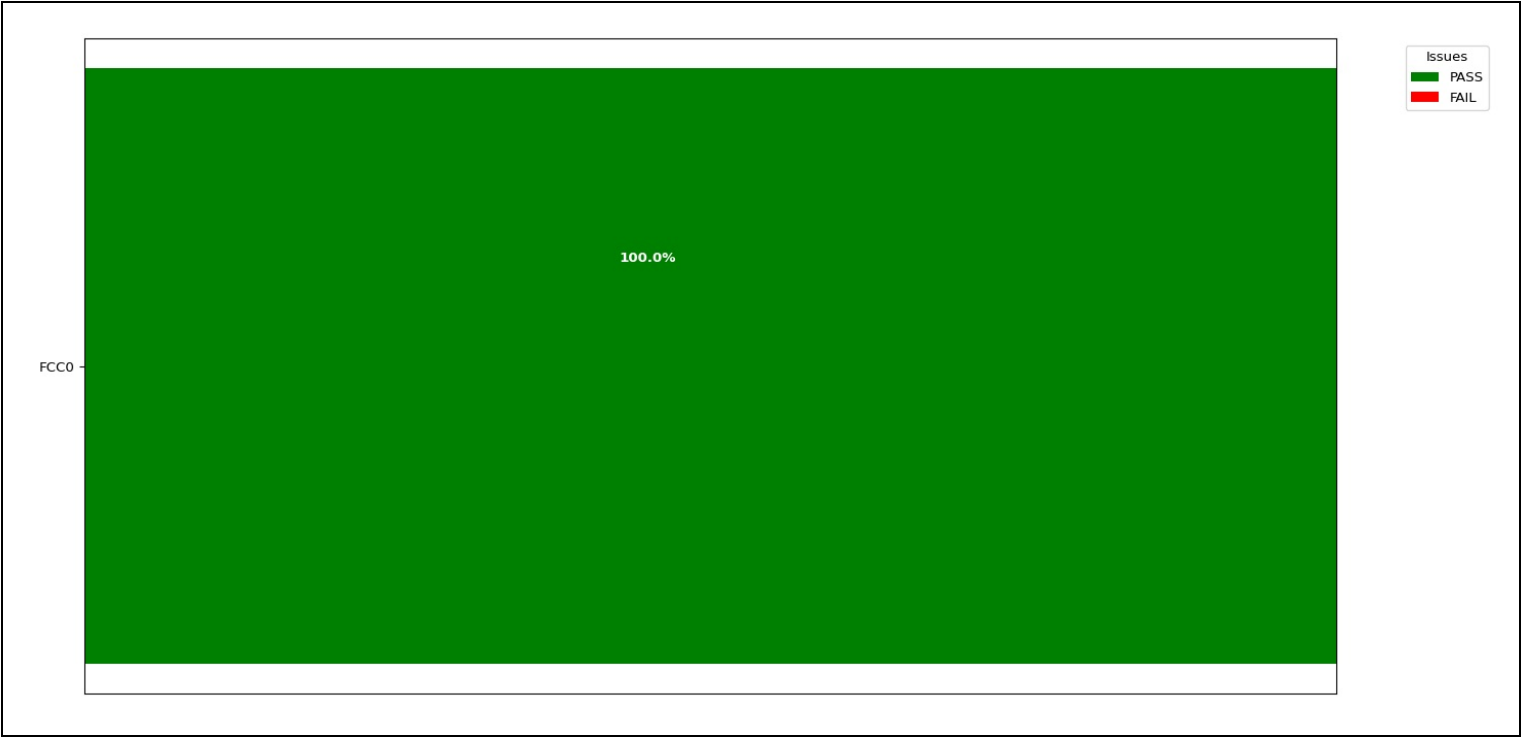
Device under test	DUT Name	Test_AP
	Test Duration	1:00:11

## Objective

Detection Bandwidth Test is compliance to the Dynamic Frequency Selection (DFS) Regulation, The purpose of this test is to subject the DUT to a Type 0 FCC radar pulsewhile moving the frequency of the radar signal through the channel to characterized range of frequencies over whichthe DUT can detect the radar pulse.

## Result Summary

The below graph provides information regarding detection probability percentage for various RADAR Types.



## Summary Table

The below table provides detailed information regarding detection probability percentage for various RADAR Types.

WaveForm Name	Detected BW	% BW detected	Required Percentage	Average Detect Time (secs)	Result
FCC0	20 mhz ( -10 : 0: +10)	100.0	90	0.0	PASSED

## Per Radar Type Summary Table

The below table provides detailed information RADAR Type FCC0.

Frequency(MHz)	Frequency Offset	No of Trials	Average Detect Time	Pass %	Result
5490000	-10	10	0.0	100.0	PASSED
5491000	-9	10	0.0	100.0	PASSED

5492000	-8	10	0.0	100.0	PASSED
5493000	-7	10	0.0	100.0	PASSED
5494000	-6	10	0.0	100.0	PASSED
5495000	-5	10	0.0	100.0	PASSED
5496000	-4	10	0.1	100.0	PASSED
5497000	-3	10	0.0	100.0	PASSED
5498000	-2	10	0.0	100.0	PASSED
5499000	-1	10	0.0	100.0	PASSED
5500000	0	10	0.0	100.0	PASSED
5501000	1	10	0.0	100.0	PASSED
5502000	2	10	0.0	100.0	PASSED
5503000	3	10	0.0	100.0	PASSED
5504000	4	10	0.0	100.0	PASSED
5505000	5	10	0.0	100.0	PASSED
5506000	6	10	0.0	100.0	PASSED
5507000	7	10	0.0	100.0	PASSED
5508000	8	10	0.0	100.0	PASSED
5509000	9	10	0.0	100.0	PASSED
5510000	10	10	0.0	100.0	PASSED

### Detailed Result Table

The below tables provides detailed information for per trials run for each RADAR Types

### Detailed Result Table for FCC0

The below table provides detailed information for per trials run for FCC0RADAR Type

Trials	Frequency (MHz)	Frequency offset	Num Bursts	Num Pulses	Pulse Width (us)	PRI(us)	Detected	Detection Time(secs)
Trial_1	5490000	-10.0	1	18	1	1428	YES	0.7
Trial_2	5490000	-10.0	1	18	1	1428	YES	0.6
Trial_3	5490000	-10.0	1	18	1	1428	YES	0.7
Trial_4	5490000	-10.0	1	18	1	1428	YES	0.6
Trial_5	5490000	-10.0	1	18	1	1428	YES	0.6
Trial_6	5490000	-10.0	1	18	1	1428	YES	0.6
Trial_7	5490000	-10.0	1	18	1	1428	YES	0.7
Trial_8	5490000	-10.0	1	18	1	1428	YES	0.7
Trial_9	5490000	-10.0	1	18	1	1428	YES	0.6
Trial_10	5490000	-10.0	1	18	1	1428	YES	0.6
Trial_1	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_2	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_3	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_4	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_5	5491000	-9.0	1	18	1	1428	YES	0.6
Trial_6	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_7	5491000	-9.0	1	18	1	1428	YES	0.6
Trial_8	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_9	5491000	-9.0	1	18	1	1428	YES	0.6
Trial_10	5491000	-9.0	1	18	1	1428	YES	0.7
Trial_1	5492000	-8.0	1	18	1	1428	YES	0.6

Trial_2	5492000	-8.0	1	18	1	1428	YES	0.9
Trial_3	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_4	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_5	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_6	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_7	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_8	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_9	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_10	5492000	-8.0	1	18	1	1428	YES	0.7
Trial_1	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_2	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_3	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_4	5493000	-7.0	1	18	1	1428	YES	0.8
Trial_5	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_6	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_7	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_8	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_9	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_10	5493000	-7.0	1	18	1	1428	YES	0.7
Trial_1	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_2	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_3	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_4	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_5	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_6	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_7	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_8	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_9	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_10	5494000	-6.0	1	18	1	1428	YES	0.7
Trial_1	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_2	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_3	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_4	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_5	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_6	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_7	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_8	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_9	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_10	5495000	-5.0	1	18	1	1428	YES	0.7
Trial_1	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_2	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_3	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_4	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_5	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_6	5496000	-4.0	1	18	1	1428	YES	1.0
Trial_7	5496000	-4.0	1	18	1	1428	YES	0.7

Trial_8	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_9	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_10	5496000	-4.0	1	18	1	1428	YES	0.7
Trial_1	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_2	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_3	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_4	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_5	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_6	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_7	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_8	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_9	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_10	5497000	-3.0	1	18	1	1428	YES	0.7
Trial_1	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_2	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_3	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_4	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_5	5498000	-2.0	1	18	1	1428	YES	0.8
Trial_6	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_7	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_8	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_9	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_10	5498000	-2.0	1	18	1	1428	YES	0.7
Trial_1	5499000	-1.0	1	18	1	1428	YES	0.7
Trial_2	5499000	-1.0	1	18	1	1428	YES	0.7
Trial_3	5499000	-1.0	1	18	1	1428	YES	0.6
Trial_4	5499000	-1.0	1	18	1	1428	YES	0.7
Trial_5	5499000	-1.0	1	18	1	1428	YES	0.6
Trial_6	5499000	-1.0	1	18	1	1428	YES	0.7
Trial_7	5499000	-1.0	1	18	1	1428	YES	0.6
Trial_8	5499000	-1.0	1	18	1	1428	YES	0.7
Trial_9	5499000	-1.0	1	18	1	1428	YES	0.7
Trial_10	5499000	-1.0	1	18	1	1428	YES	0.6
Trial_1	5500000	0.0	1	18	1	1428	YES	0.6
Trial_2	5500000	0.0	1	18	1	1428	YES	0.7
Trial_3	5500000	0.0	1	18	1	1428	YES	0.7
Trial_4	5500000	0.0	1	18	1	1428	YES	0.7
Trial_5	5500000	0.0	1	18	1	1428	YES	0.7
Trial_6	5500000	0.0	1	18	1	1428	YES	0.7
Trial_7	5500000	0.0	1	18	1	1428	YES	0.7
Trial_8	5500000	0.0	1	18	1	1428	YES	0.7
Trial_9	5500000	0.0	1	18	1	1428	YES	0.7
Trial_10	5500000	0.0	1	18	1	1428	YES	0.7
Trial_1	5501000	1.0	1	18	1	1428	YES	0.7
Trial_2	5501000	1.0	1	18	1	1428	YES	0.7
Trial_3	5501000	1.0	1	18	1	1428	YES	0.7

Trial_4	5501000	1.0	1	18	1	1428	YES	0.7
Trial_5	5501000	1.0	1	18	1	1428	YES	0.8
Trial_6	5501000	1.0	1	18	1	1428	YES	0.9
Trial_7	5501000	1.0	1	18	1	1428	YES	0.7
Trial_8	5501000	1.0	1	18	1	1428	YES	0.7
Trial_9	5501000	1.0	1	18	1	1428	YES	0.7
Trial_10	5501000	1.0	1	18	1	1428	YES	0.7
Trial_1	5502000	2.0	1	18	1	1428	YES	0.7
Trial_2	5502000	2.0	1	18	1	1428	YES	0.7
Trial_3	5502000	2.0	1	18	1	1428	YES	0.7
Trial_4	5502000	2.0	1	18	1	1428	YES	0.7
Trial_5	5502000	2.0	1	18	1	1428	YES	0.7
Trial_6	5502000	2.0	1	18	1	1428	YES	0.7
Trial_7	5502000	2.0	1	18	1	1428	YES	0.7
Trial_8	5502000	2.0	1	18	1	1428	YES	0.7
Trial_9	5502000	2.0	1	18	1	1428	YES	0.7
Trial_10	5502000	2.0	1	18	1	1428	YES	0.7
Trial_1	5503000	3.0	1	18	1	1428	YES	0.7
Trial_2	5503000	3.0	1	18	1	1428	YES	0.7
Trial_3	5503000	3.0	1	18	1	1428	YES	0.7
Trial_4	5503000	3.0	1	18	1	1428	YES	0.7
Trial_5	5503000	3.0	1	18	1	1428	YES	0.7
Trial_6	5503000	3.0	1	18	1	1428	YES	0.7
Trial_7	5503000	3.0	1	18	1	1428	YES	0.7
Trial_8	5503000	3.0	1	18	1	1428	YES	0.7
Trial_9	5503000	3.0	1	18	1	1428	YES	0.7
Trial_10	5503000	3.0	1	18	1	1428	YES	0.7
Trial_1	5504000	4.0	1	18	1	1428	YES	0.7
Trial_2	5504000	4.0	1	18	1	1428	YES	0.7
Trial_3	5504000	4.0	1	18	1	1428	YES	0.7
Trial_4	5504000	4.0	1	18	1	1428	YES	0.7
Trial_5	5504000	4.0	1	18	1	1428	YES	0.7
Trial_6	5504000	4.0	1	18	1	1428	YES	0.7
Trial_7	5504000	4.0	1	18	1	1428	YES	0.7
Trial_8	5504000	4.0	1	18	1	1428	YES	0.7
Trial_9	5504000	4.0	1	18	1	1428	YES	0.7
Trial_10	5504000	4.0	1	18	1	1428	YES	0.7
Trial_1	5505000	5.0	1	18	1	1428	YES	0.7
Trial_2	5505000	5.0	1	18	1	1428	YES	0.7
Trial_3	5505000	5.0	1	18	1	1428	YES	0.7
Trial_4	5505000	5.0	1	18	1	1428	YES	0.7
Trial_5	5505000	5.0	1	18	1	1428	YES	0.6
Trial_6	5505000	5.0	1	18	1	1428	YES	0.7
Trial_7	5505000	5.0	1	18	1	1428	YES	0.7
Trial_8	5505000	5.0	1	18	1	1428	YES	0.7
Trial_9	5505000	5.0	1	18	1	1428	YES	0.7

Trial_10	5505000	5.0	1	18	1	1428	YES	0.7
Trial_1	5506000	6.0	1	18	1	1428	YES	0.7
Trial_2	5506000	6.0	1	18	1	1428	YES	0.7
Trial_3	5506000	6.0	1	18	1	1428	YES	0.7
Trial_4	5506000	6.0	1	18	1	1428	YES	0.7
Trial_5	5506000	6.0	1	18	1	1428	YES	0.7
Trial_6	5506000	6.0	1	18	1	1428	YES	0.7
Trial_7	5506000	6.0	1	18	1	1428	YES	0.7
Trial_8	5506000	6.0	1	18	1	1428	YES	0.7
Trial_9	5506000	6.0	1	18	1	1428	YES	0.7
Trial_10	5506000	6.0	1	18	1	1428	YES	0.7
Trial_1	5507000	7.0	1	18	1	1428	YES	0.7
Trial_2	5507000	7.0	1	18	1	1428	YES	0.7
Trial_3	5507000	7.0	1	18	1	1428	YES	0.7
Trial_4	5507000	7.0	1	18	1	1428	YES	0.8
Trial_5	5507000	7.0	1	18	1	1428	YES	0.7
Trial_6	5507000	7.0	1	18	1	1428	YES	0.7
Trial_7	5507000	7.0	1	18	1	1428	YES	0.6
Trial_8	5507000	7.0	1	18	1	1428	YES	0.7
Trial_9	5507000	7.0	1	18	1	1428	YES	0.7
Trial_10	5507000	7.0	1	18	1	1428	YES	0.7
Trial_1	5508000	8.0	1	18	1	1428	YES	0.7
Trial_2	5508000	8.0	1	18	1	1428	YES	0.7
Trial_3	5508000	8.0	1	18	1	1428	YES	0.7
Trial_4	5508000	8.0	1	18	1	1428	YES	0.7
Trial_5	5508000	8.0	1	18	1	1428	YES	0.7
Trial_6	5508000	8.0	1	18	1	1428	YES	0.7
Trial_7	5508000	8.0	1	18	1	1428	YES	0.7
Trial_8	5508000	8.0	1	18	1	1428	YES	0.7
Trial_9	5508000	8.0	1	18	1	1428	YES	0.7
Trial_10	5508000	8.0	1	18	1	1428	YES	0.7
Trial_1	5509000	9.0	1	18	1	1428	YES	0.7
Trial_2	5509000	9.0	1	18	1	1428	YES	0.7
Trial_3	5509000	9.0	1	18	1	1428	YES	0.7
Trial_4	5509000	9.0	1	18	1	1428	YES	0.7
Trial_5	5509000	9.0	1	18	1	1428	YES	0.7
Trial_6	5509000	9.0	1	18	1	1428	YES	0.7
Trial_7	5509000	9.0	1	18	1	1428	YES	0.7
Trial_8	5509000	9.0	1	18	1	1428	YES	0.7
Trial_9	5509000	9.0	1	18	1	1428	YES	0.7
Trial_10	5509000	9.0	1	18	1	1428	YES	0.7
Trial_1	5510000	10.0	1	18	1	1428	YES	0.7
Trial_2	5510000	10.0	1	18	1	1428	YES	0.7
Trial_3	5510000	10.0	1	18	1	1428	YES	0.7
Trial_4	5510000	10.0	1	18	1	1428	YES	0.7
Trial_5	5510000	10.0	1	18	1	1428	YES	0.7

Trial_6	5510000	10.0	1	18	1	1428	YES	0.7
Trial_7	5510000	10.0	1	18	1	1428	YES	0.7
Trial_8	5510000	10.0	1	18	1	1428	YES	0.7
Trial_9	5510000	10.0	1	18	1	1428	YES	0.7
Trial_10	5510000	10.0	1	18	1	1428	YES	0.7

Test basic Information

Information	Parameters	Values
	LANforge ip	192.168.100.221
	LANforge port	8080
	Radar Types	['FCC0']
	Radar Hardware	ct712
	Freq Channel Number	100
	Band Width	20
	Desired Pass Percentage	90%
	Time interval between Trials (secs)	2
	Run Traffic	False
	Contact	<a href="mailto:support@candelatech.com">support@candelatech.com</a>

