

Detection Probability Test Report

2023-06-19-16:55:27



Test Setup Information

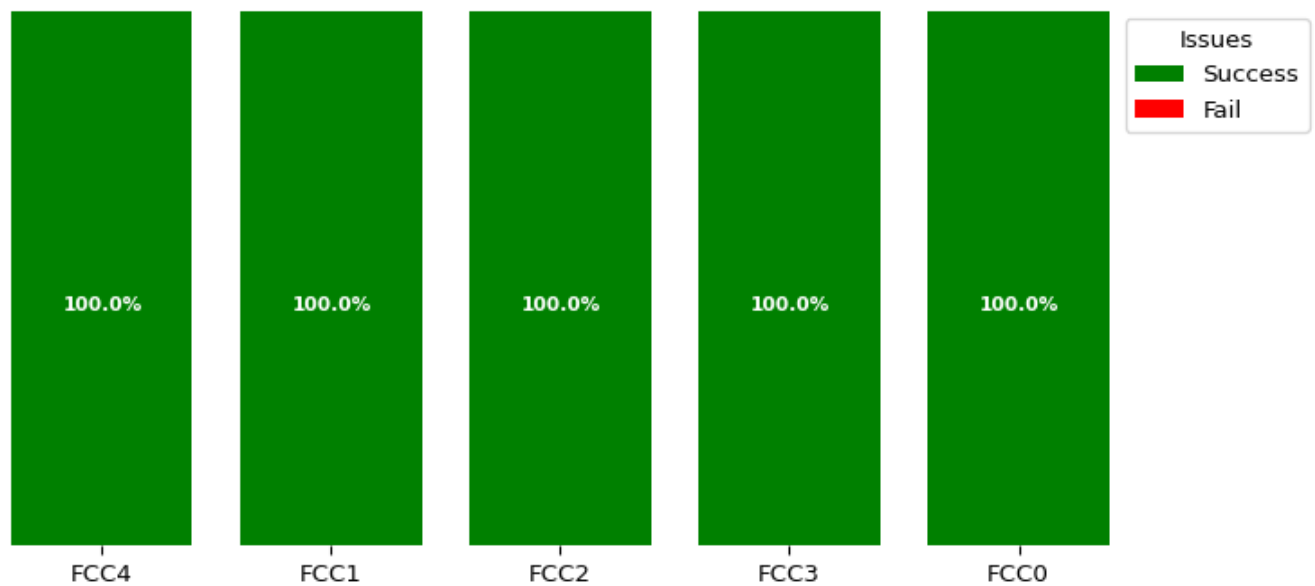
Device under test	DUT Name	Test_AP
	SSID	MFG-5GTEST
	Test Duration	0:04:41

Objective

Detection Probability Test is compliance to the Dynamic Frequency Selection (DFS) Regulation, it creates regulatory specified radar pulses to the DUT repeatedly to measure the probability of detection.

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	Pd %	Desired Percentage %	Pd Required Percentage %	Num Trials	Average Detect Time (secs)	Result
FCC4	100.0	80	80%	1	4.0	PASSED
FCC1	100.0	80	60%	1	3.0	PASSED
FCC2	100.0	80	60%	1	4.0	PASSED
FCC3	100.0	80	60%	1	4.0	PASSED
FCC0	100.0	80	60%	1	4.0	PASSED

Aggregate of short pulse type 1-4

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how the aggregate of percentage of successful detections is computed. For the current run aggregate is equal to 100.0 %

Radar Type	No. of Trials	Number of Successful Detections %	Minimum Percentage of Successful Detection
FCC1	1	1	100.0
FCC2	1	1	100.0
FCC3	1	1	100.0
FCC4	1	1	100.0

Detailed Result Table

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

Detailed Result Table for FCC4

The below table provides detailed information for per trials run for FCC4RADAR Type

Trials	Num Bursts	Num Pulses	Pulse Width (us)	PRI(us)	Detected	Frequency (KHz)	Detection Time(secs)
Trial_1	1	12	16	201	YES	5500000	4

Detailed Result Table for FCC1

The below table provides detailed information for per trials run for FCC1RADAR Type

Trials	Num Bursts	Num Pulses	Pulse Width (us)	PRI(us)	Detected	Frequency (KHz)	Detection Time(secs)
Trial_1	1	55	1	976	YES	5500000	3

Detailed Result Table for FCC2

The below table provides detailed information for per trials run for FCC2RADAR Type

Trials	Num Bursts	Num Pulses	Pulse Width (us)	PRI(us)	Detected	Frequency (KHz)	Detection Time(secs)
Trial_1	1	23	1	171	YES	5500000	4

Detailed Result Table for FCC3

The below table provides detailed information for per trials run for FCC3RADAR Type

Trials	Num Bursts	Num Pulses	Pulse Width (us)	PRI(us)	Detected	Frequency (KHz)	Detection Time(secs)
Trial_1	1	18	10	268	YES	5500000	4

Detailed Result Table for FCC0

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

Trials	Num Bursts	Num Pulses	Pulse Width (us)	PRI(us)	Detected	Frequency (KHz)	Detection Time(secs)
Trial_1	1	18	1	1428	YES	5500000	4

Test basic Information

Information	Parameters	Values
	LANforge ip	192.168.100.221
	LANforge port	8080
	Radar Types	['FCC4', 'FCC1', 'FCC2', 'FCC3', 'FCC0']
	Radar Hardware	ct1712
	Freq Channel Number	100
	Tx Power of radar in dbm	-38.61
	Desired Pass Percentage	80%
	Max Number of extra trials	0
	Time interval between Trials (secs)	0
	Run Traffic	False
	Frequency step option	Stay at centre freq for all Trials
	Contact	support@candelatech.com

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