

15.3. Parameters of Radar Test Waveform

This section provides the parameters for required test waveforms, minimum percentage of successful detection, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B			
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 Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

For 5600-5650MHz:

Table D.3: Parameters of the reference DFS test signal

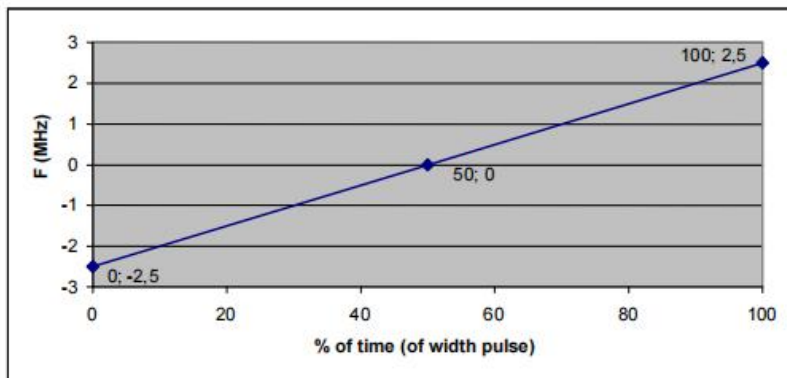
Pulse width W (μs)	PRF (PPS)	Pulses Per Burst (PPB)
1	700	18

Table D.4: Parameters of radar test signals

Radar test signal (see note 1 to note 3)	Pulse width W (μs)		PRF (PPS)		Number of different PRFs	PPB for each PRF (see note 5)
	Min	Max	Min	Max		
1	0,5	5	200	1 000	1	10 (see note 6)
2	0,5	15	200	1 600	1	15 (see note 6)
3	0,5	15	2 300	4 000	1	25
4	20	30	2 000	4 000	1	20
5	0,5	2	300	400	2/3	10 (see note 6)
6	0,5	2	400	1 200	2/3	15 (see note 6)

NOTE 1: Radar test signal 1 to signal 4 are signals with constant PRF (see figure D.1). These radar test signals are intended to simulate also radars using a packet-based staggered PRF (see figure D.2).

NOTE 2: Radar test signal 4 is a modulated radar test signal. The modulation is a chirp modulation with a $\pm 2,5$ MHz frequency deviation as shown in the following graph.



NOTE 3: Radar test signal 5 and radar test signal 6 are signals with single pulse-based staggered PRF using 2 or 3 different PRF values. For radar test signal 5, the difference between the PRF values chosen shall be between 20 PPS and 50 PPS. For radar test signal 6, the difference between the PRF values chosen shall be between 80 PPS and 400 PPS (see figure D.3).

NOTE 4: Apart from off-channel CAC testing, the radar test signals shall only contain a single burst of pulses (see figure D.1, figure D.3 and figure D.4). For off-channel CAC testing, repetitive bursts shall be used for the total duration of the test (see figure D.2 and figure D.5 (see also clause 4.2.6.2.3, clause 5.4.8.2.1.4.2 and clause 5.4.8.2.1.4.3)).

NOTE 5: The total number of pulses in a burst is equal to the number of pulses for a single PRF multiplied by the number of different PRFs used.

NOTE 6: For the CAC and off-channel CAC requirements, the minimum number of pulses (for each PRF) for any of the radar test signals to be detected in the band 5 600 MHz to 5 650 MHz shall be 18.

15.4. Calibration of Radar Waveform

Radar Waveform Calibration Procedure:

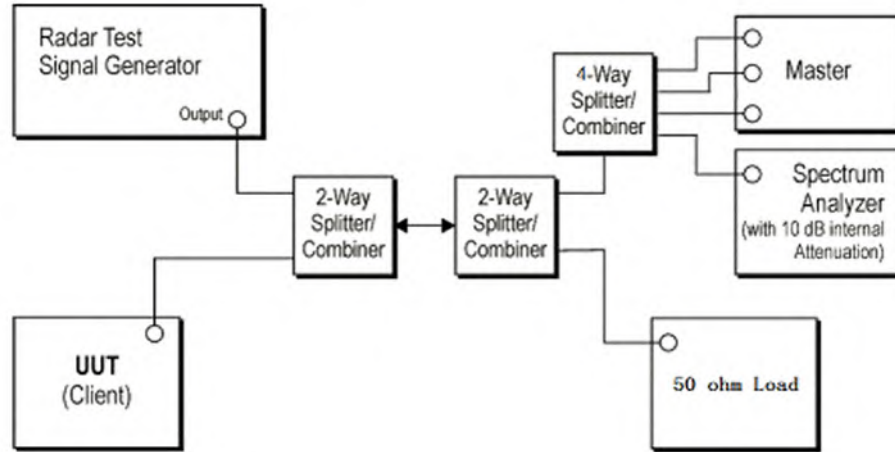
A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master

The interference Radar Detection Threshold Level is $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ that had been taken into account the output power range and antenna gain.

The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.

The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup:

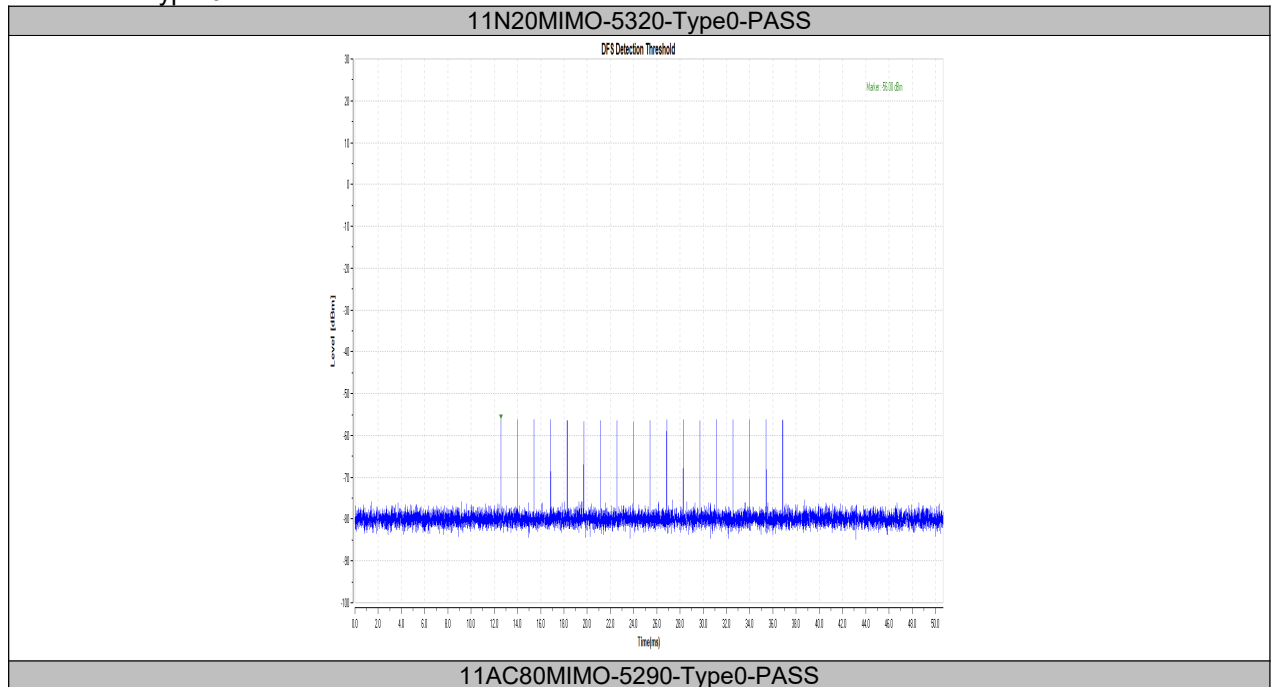


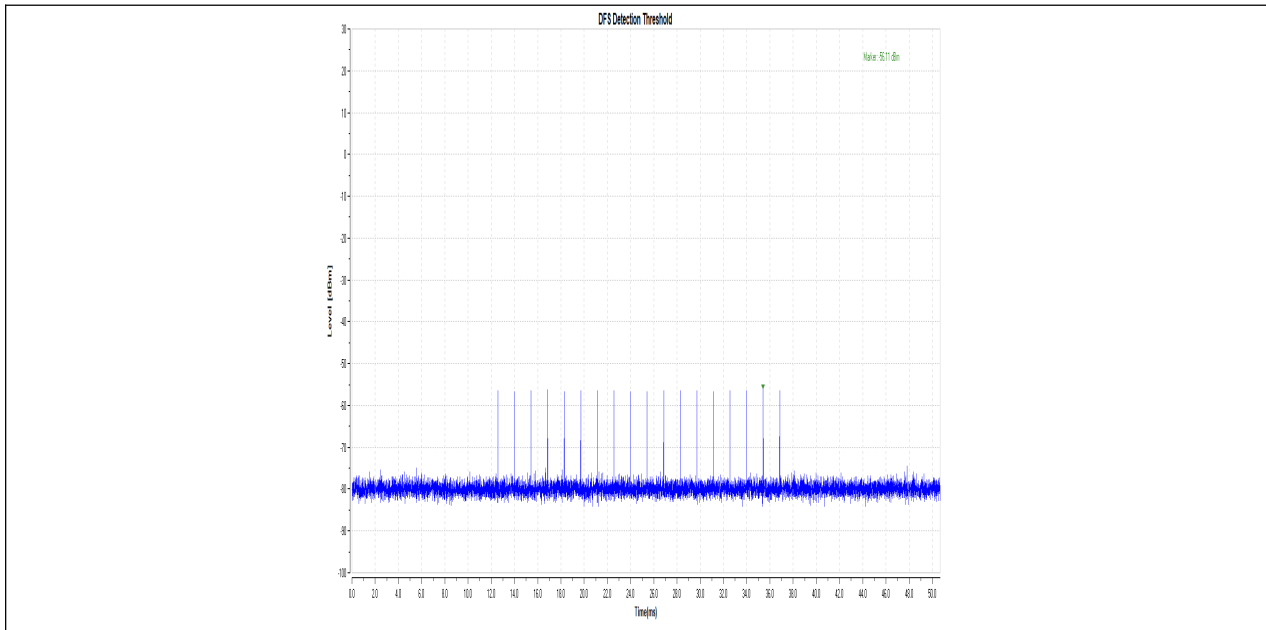
Note: 1. Use the software "Web" to set the frequency channel.

2. EUT is not support TPC and not with Radar detection.

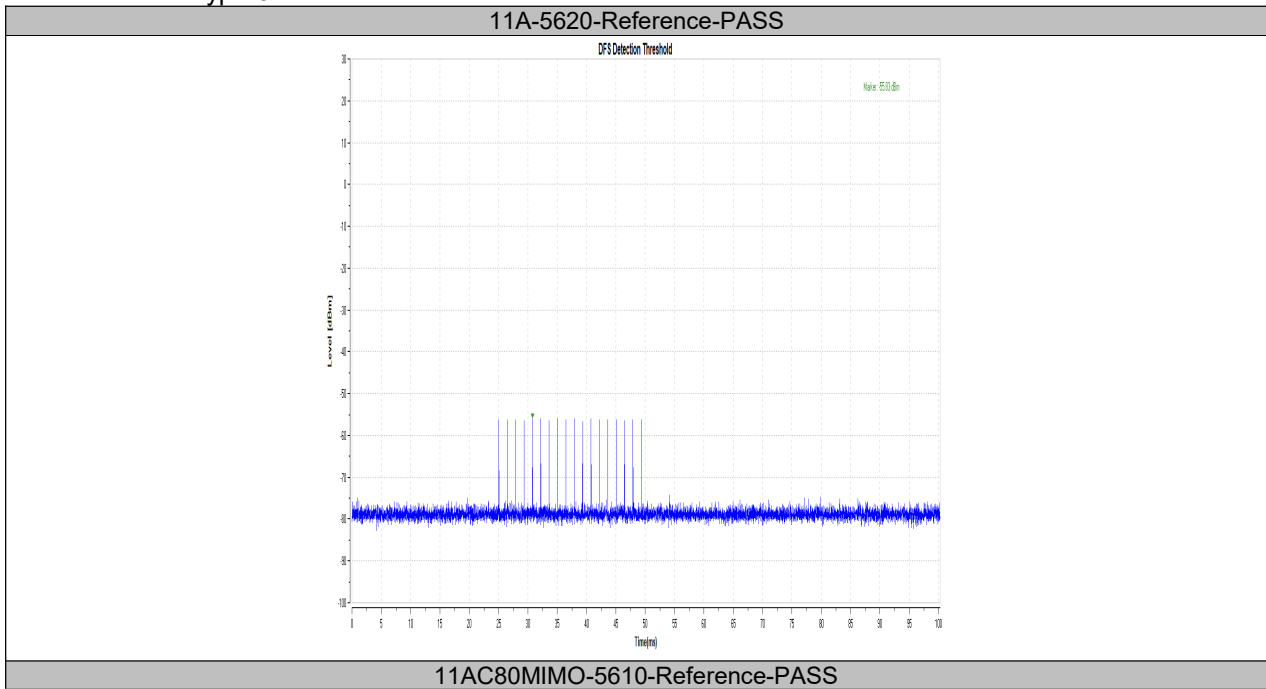
Radar Waveform Calibration Result:

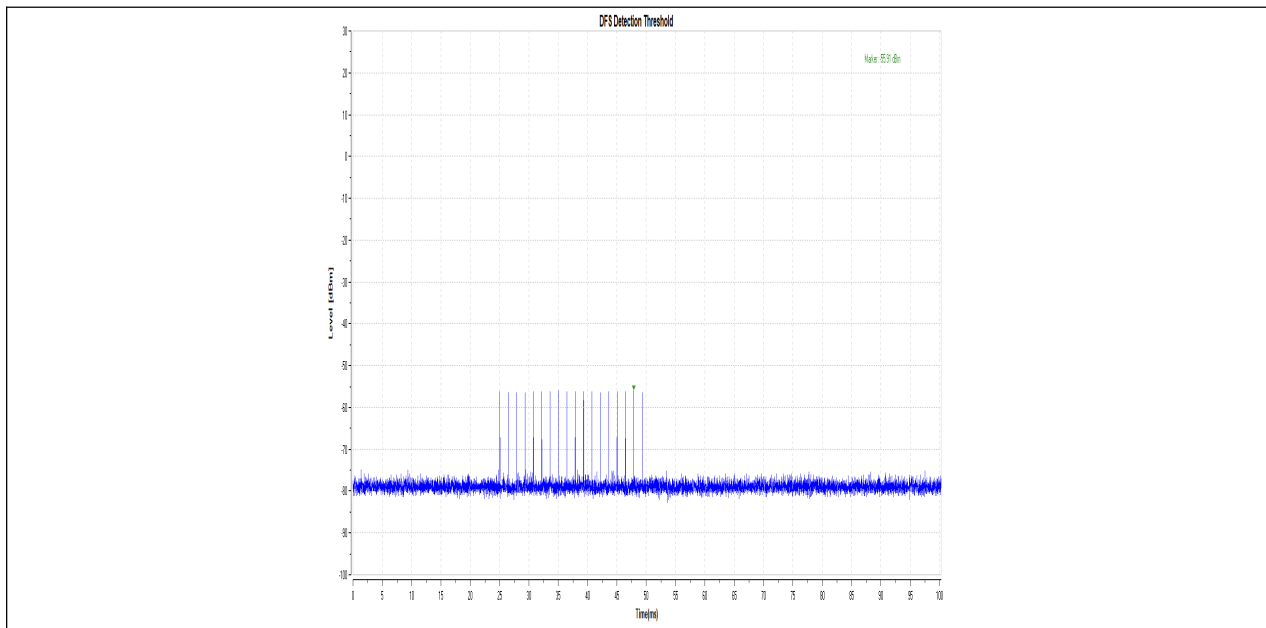
Radar Type 0





For 5600-5650MHz:
Reference Type 0





15.5. Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period

Block diagram of test setup Test Procedure:

The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.

When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

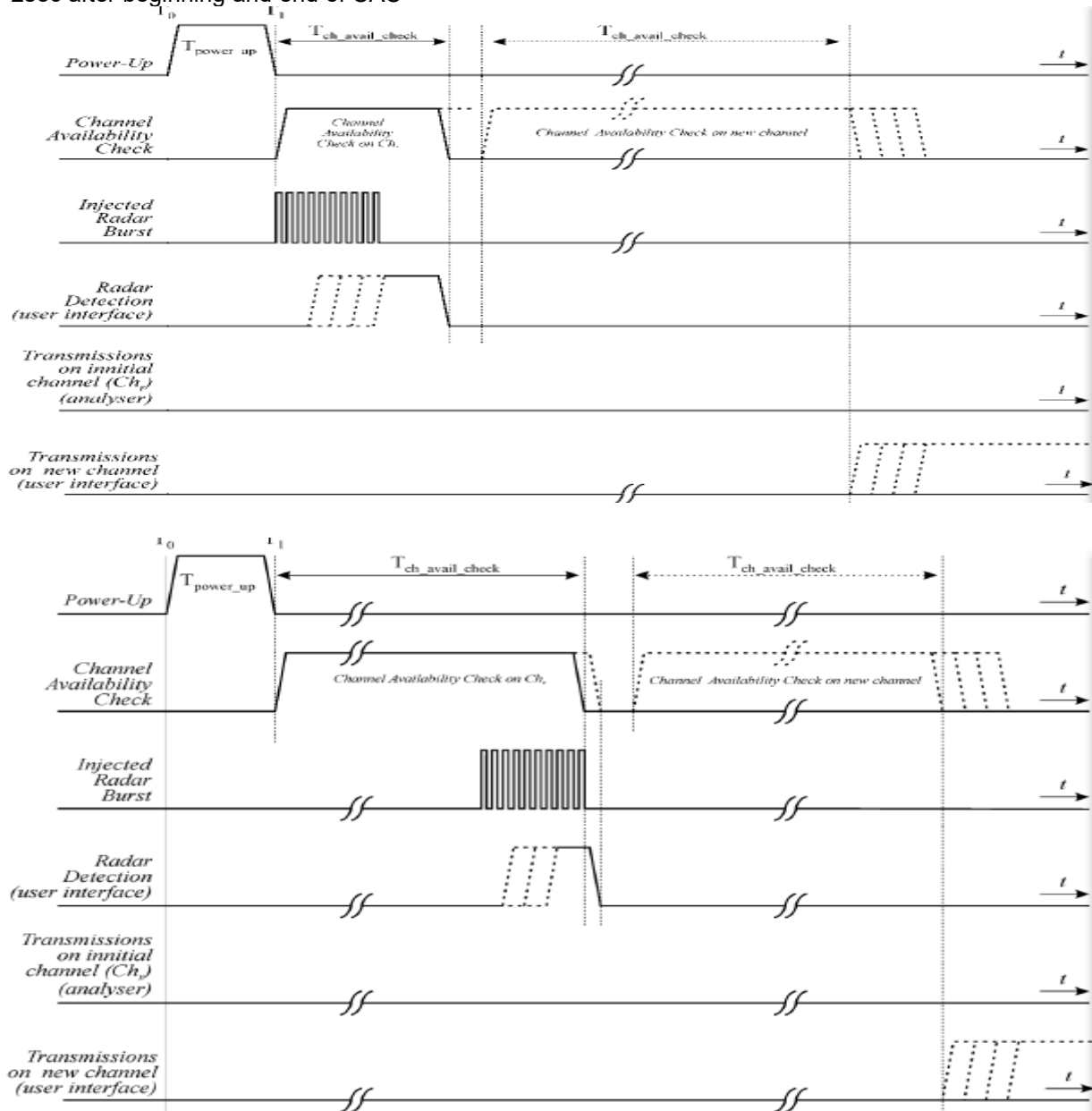
For 5600-5650MHz:

Channel Availability Check (CAC)

The Channel Availability Check (CAC) is defined as a mechanism by which an RLAN device checks channels for the presence of radar signals.

This mechanism is used for identifying Available Channels.

There shall be no transmissions by the device within the channels being checked during this process.
 If no radars have been detected on a channel, then that channel becomes an Available Channel.
 Radar detection at the beginning and end of CAC (load reference radar waveform), radar injected within 2sec after beginning and end of CAC

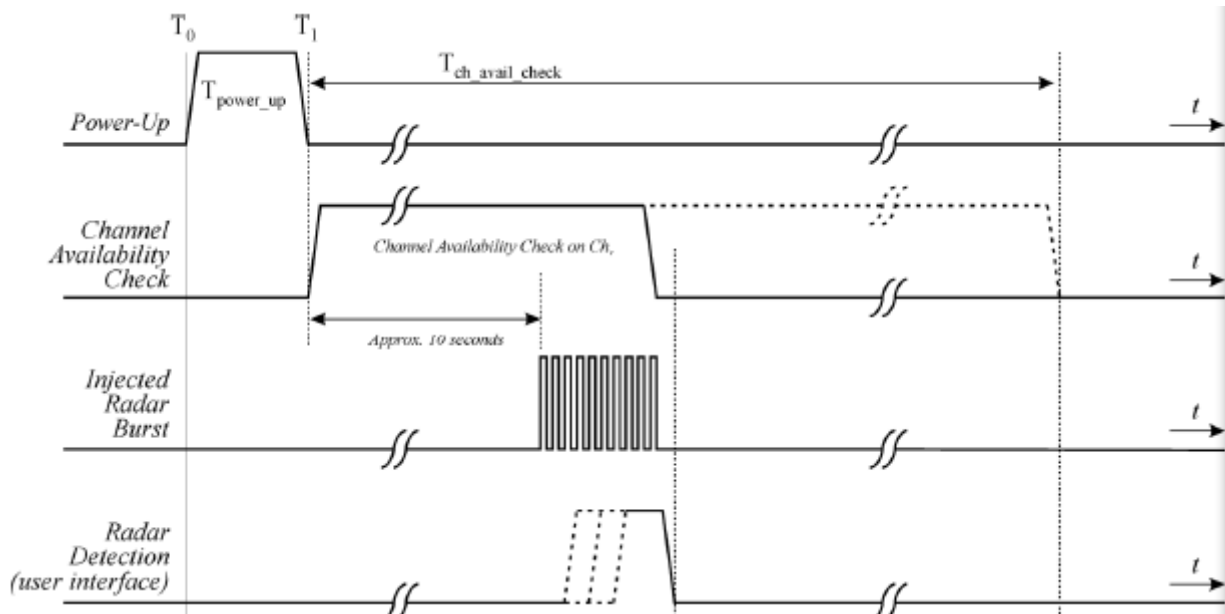


Radar Detection Threshold (during the Channel Availability Check)

The test shall be performed 20 times and each time a different radar test signal shall be generated.

The radar test signal shall be detected at least 12 times out of the 20 trials in order to comply with the detection probability specified for this frequency range.

For the purpose of reducing test time, it is recommended that the single-burst radar test signal starts approximately 10 s after T_1 .



Off-Channel CAC

Off-Channel CAC is defined as an optional mechanism by which an RLAN monitors channel(s), different from the Operating Channel(s), for the presence of radar signals.

The Off-Channel CAC may be used in addition to the Channel Availability Check defined in clause 4.7.2.1, for identifying Available Channels.

Off-Channel CAC is performed by a number of non-continuous checks spread over a period in time. This time, which is required to determine the presence of radar signals, is defined as the Off-Channel CAC Time.

If no radars have been detected in a channel, then that channel becomes an Available Channel.

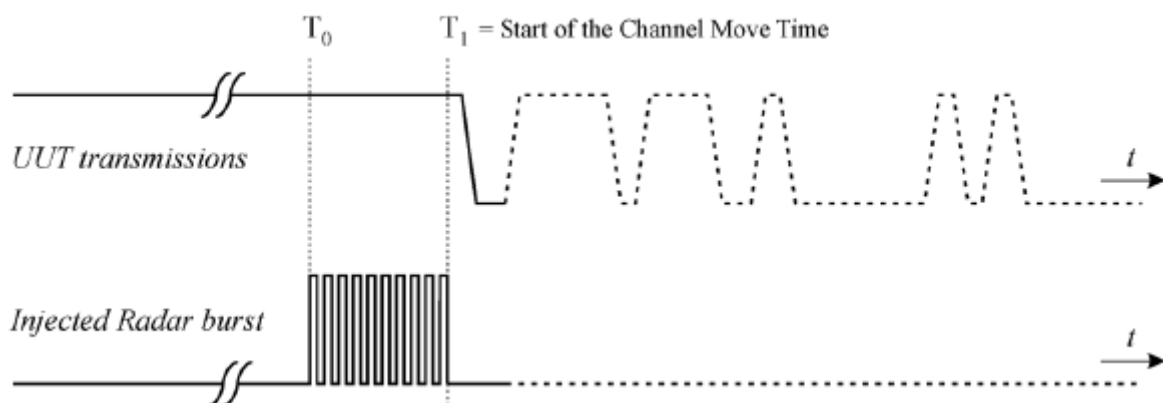
In-Service Monitoring

The In-Service Monitoring is defined as the process by which an RLAN monitors each Operating Channel for the presence of radar signals. The In-Service Monitoring shall be used to monitor each Operating Channel.

The In-Service-Monitoring shall start immediately after the RLAN has started transmissions on a channel.

Single burst radar test signal is generated and it shall be recorded if the radar test signal was detected.

Test shall be performed 20 times. The radar test signal shall be detected at least 12 times out of the 20 trials. This shall be repeated for each of the radar test signals.

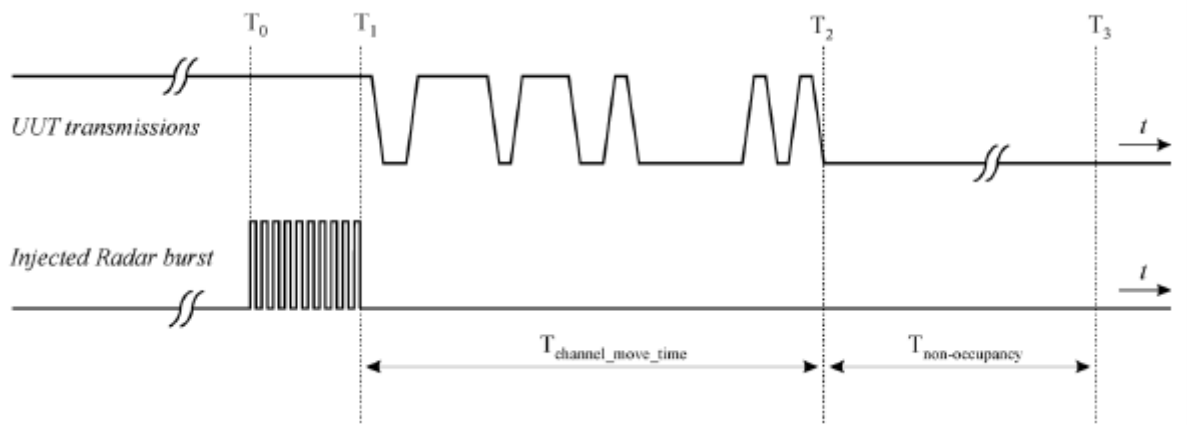


Channel Shutdown and Non-Occupancy Period

The Channel Shutdown is defined as the process initiated by the RLAN device on an Operating Channel after a radar signal has been detected during the In-Service Monitoring on that channel.

Master device shall instruct all associated slave devices to stop transmitting on this channel, which they shall do within the Channel Move Time. This is limited to the Channel Closing Transmission Time, defined as 1 sec.

The Non-Occupancy Period is defined as the time (30mins) during which the RLAN device shall not make any transmissions on a channel after a radar signal was detected on that channel.



Uniform Spreading

The Uniform Spreading is a mechanism to be used by the RLAN to provide, on aggregate, a uniform loading of the spectrum across all devices.

The Uniform Spreading is limited to the channels being declared as part of the channel plan.

Each of the declared Channel Plans (see clause 3.1) shall make use of at least 60 % of the spectrum available in the applicable sub-band(s).

Each of the Usable Channels shall be used with approximately equal probability.

RLAN equipment for which the declared channel plan includes channels whose nominal bandwidth falls completely or partly within the band 5 600 MHz to 5 650 MHz may omit these channels from the list of Usable Channels at initial power up or at initial installation.

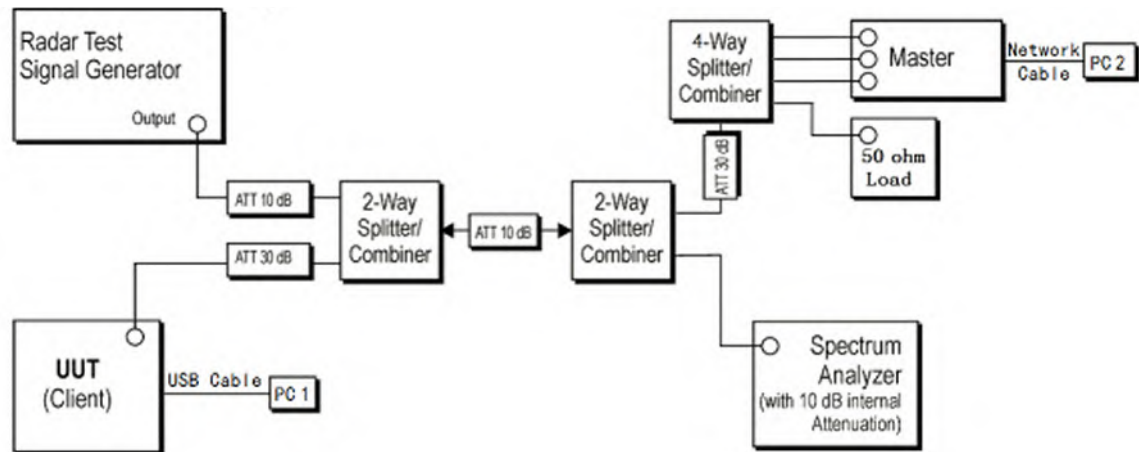
Channels being used by other RLAN equipment may be omitted from the list of Usable Channels

Please refer to ETSI EN 301 893 V2.2.1 (2024-11) Clause 5.4.8.2

15.6. Test Setup

Setup for Client with injection at the Master

Master Name	Brand Name	Model Name	FCC ID	Run-up Time(s)
ROG Rapture Tri-band Gaming Router	ASUS	GT-AXE11000	MSQ-RTAXJF00	90



15.7. Test Result

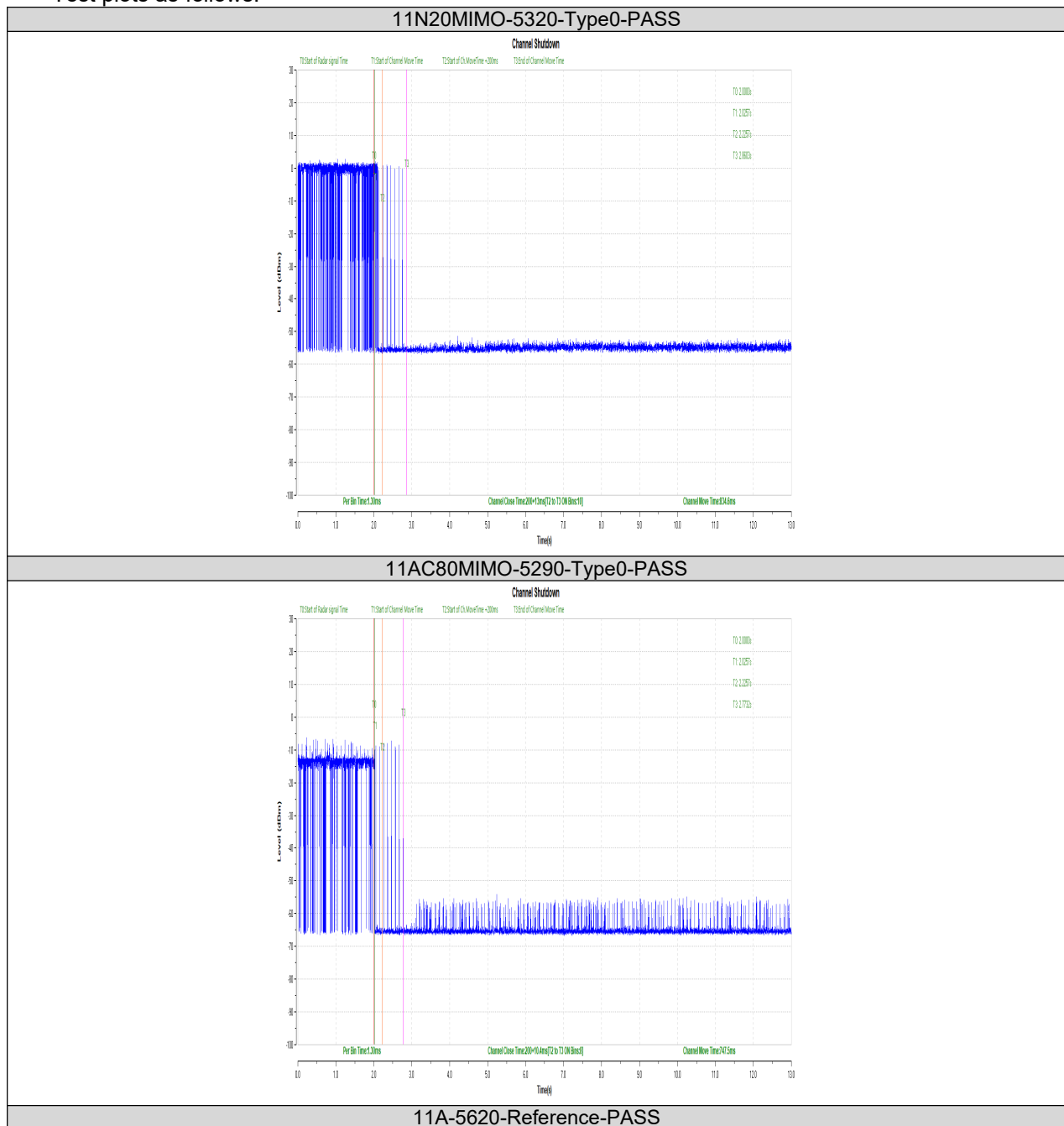
BW/Channel	Test Item	Test Result	Limit	Results
20M/5320MHz	Channel Move Time	0.835s	< 10s	pass
	Channel Closing Transmission Time	0.213s	< 0.26s	pass

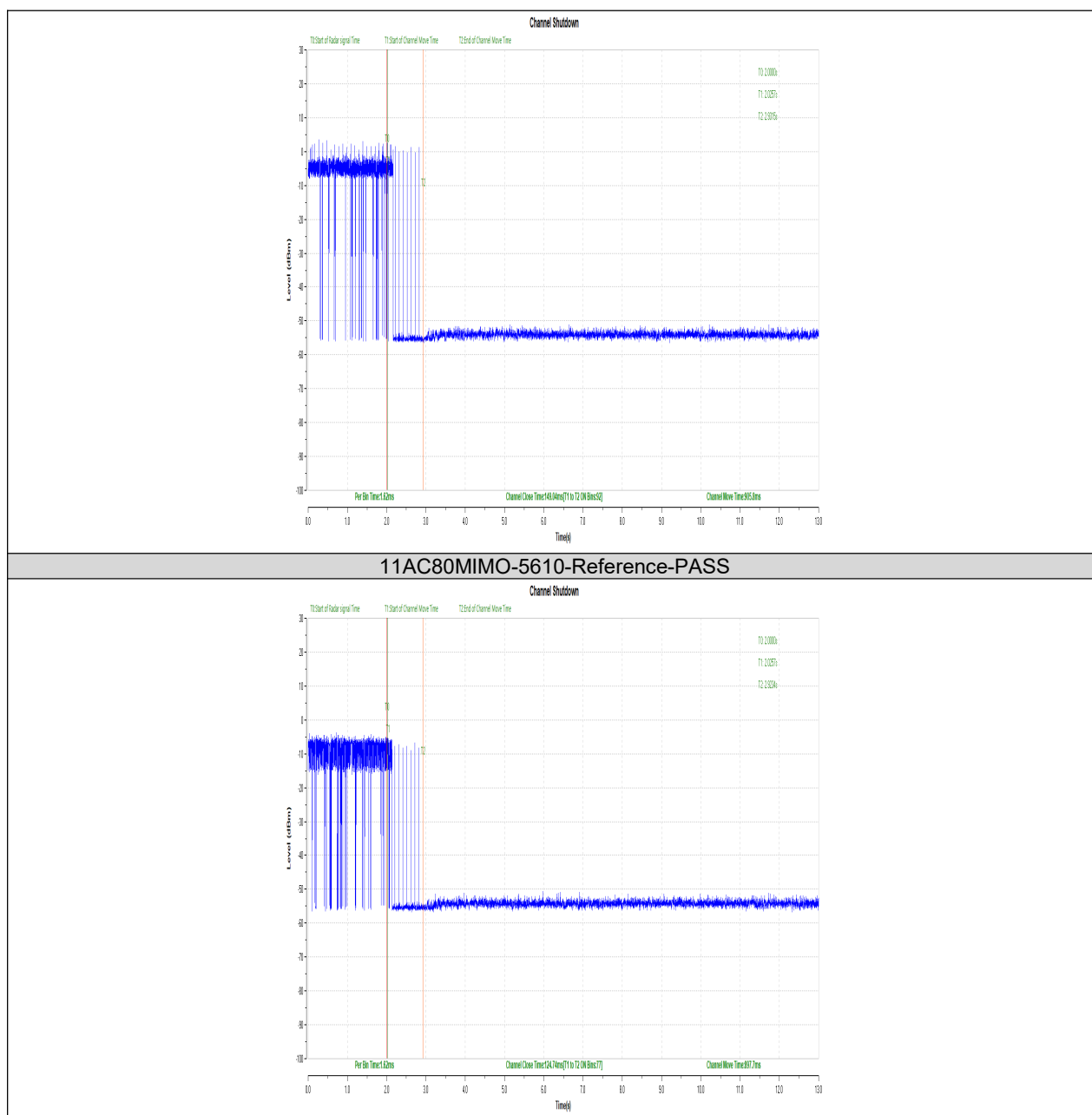
80M/5290MHz	Channel Move Time	0.748s	<10s	pass
	Channel Closing Transmission Time	0.210s	<0.26s	pass

For 5600-5650MHz:

BW/Channel	Test Item	Test Result	Limit	Results
20M/5620MHz	Channel Move Time	0.906s	<10s	pass
	Channel Closing Transmission Time	0.149s	<0.26s	pass
80M/5610MHz	Channel Move Time	0.898s	<10s	pass
	Channel Closing Transmission Time	0.125s	<0.26s	pass

Test plots as follows:





Note 1: We test all channels that need to be tested for DFS, reporting only part of the test pattern and data. In this report, we have identified other parts that are compliant with FCC regulations.

Note 2: The method of establishing a connection between the master device and the slave device. After inserting the EUT USB port into the PC, the laptop opens the router control interface to connect to the EUT and control its corresponding signal transmission.

1. The frequency range of equipment operation is: UNII-1: 5180 MHz to 5240 MHz, U-NII-2A: 5260 MHz to 5320 MHz, U-NII-2C: 5500 MHz to 5700 MHz, U-NII-3: 5745 MHz to 5825 MHz
2. The operating mode is Client, Equipped with radar detection capability, the main U-NII device FCC ID used for DFS testing is MSQ-RTAXJF00.
3. (Equivalent Isotropic Radiated Power (EIRP)) of the equipment, The antenna gain is 6.18 dBi.
4. Test sequences or messages that should be used for communication between Master and Client Devices, which are used for Channel loading. Stream the test file from the master Device to the Client Device for IP based systems or frame based systems which dynamically allocate the talk/listen ratio.
5. The time required for the master and slave devices to fully start is 120 seconds.
6. The product belongs to Slave without radar detection.
7. Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.
8. Manufacturers can manually select the first channel 5510 MHz.

16. Antenna Requirements

16.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

16.2. Result

The device support 2T2R MIMO, the antennas both used for this product are dedicated External C antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 6.18 dBi for antenna 1, 6.18 dBi for antenna 2, Only the N20, N40, AC20, AC40, AC80, AX20, AX40, and AX80 modes support MIMO technology.

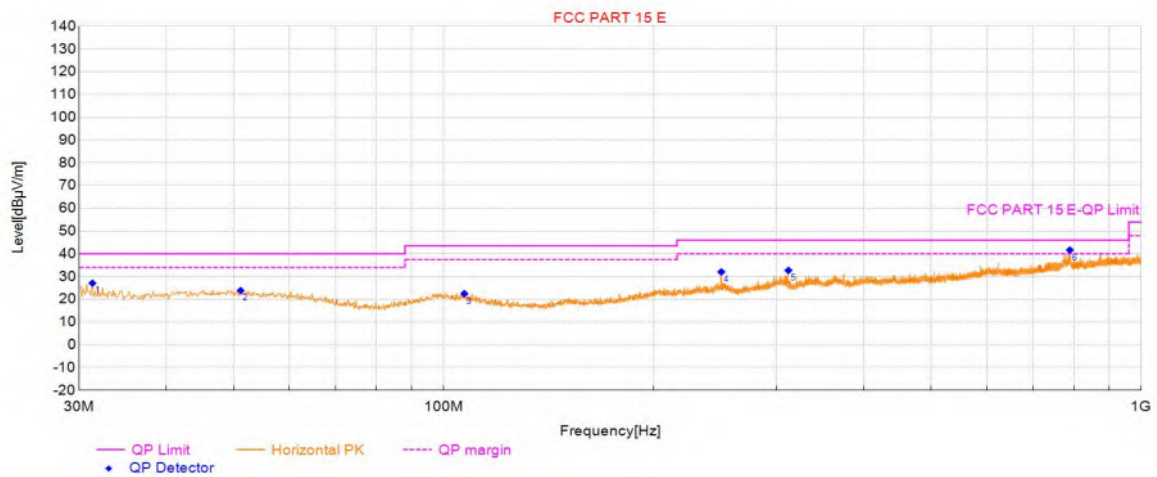
APPENDIX A - Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5745	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:47:51

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	31.36	9.53	17.57	27.10	40.00	12.90	100	2	Horizontal	PASS
2	51.15	2.7	21.17	23.87	40.00	16.13	100	18	Horizontal	PASS
3	107.03	2.85	19.65	22.50	43.50	21.00	100	322	Horizontal	PASS
4	250.02	10.34	21.71	32.05	46.00	13.95	100	215	Horizontal	PASS
5	312.01	10	22.73	32.73	46.00	13.27	100	358	Horizontal	PASS
6	789.88	9.57	32.09	41.66	46.00	4.34	100	322	Horizontal	PASS

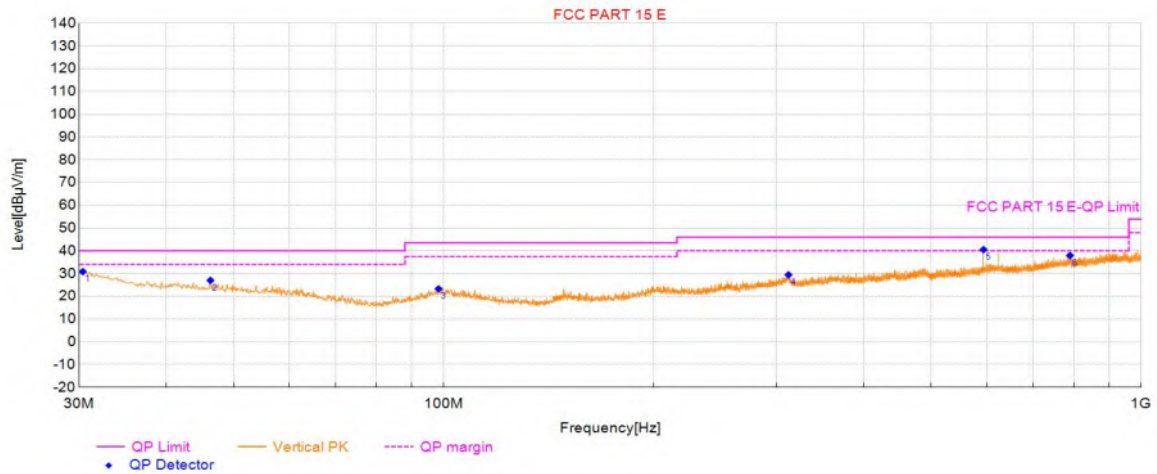
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5180	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:	Power Set:5		

Start of Test:2026-07-18 11:48:32

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.39	13.38	17.47	30.85	40.00	9.15	100	159	Vertical	PASS
2	46.30	6.11	20.90	27.01	40.00	12.99	100	9	Vertical	PASS
3	98.29	3.74	19.57	23.31	43.50	20.19	100	62	Vertical	PASS
4	312.01	6.73	22.73	29.46	46.00	16.54	100	358	Vertical	PASS
5	594.01	11.02	29.53	40.55	46.00	5.45	100	219	Vertical	PASS
6	790.27	5.87	32.09	37.96	46.00	8.04	100	206	Vertical	PASS

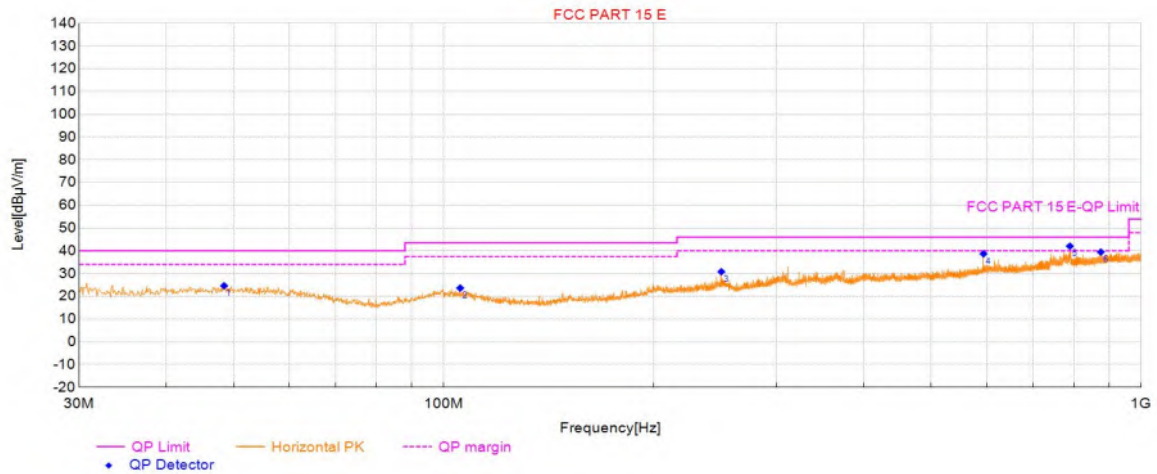
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5320	Voltage:	DC 24V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:50:15

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	48.43	3.53	21.12	24.65	40.00	15.35	100	324	Horizontal	PASS
2	105.57	3.92	19.72	23.64	43.50	19.86	100	26	Horizontal	PASS
3	250.02	9.11	21.71	30.82	46.00	15.18	100	177	Horizontal	PASS
4	594.01	9.15	29.53	38.68	46.00	7.32	100	293	Horizontal	PASS
5	789.97	9.96	32.09	42.05	46.00	3.95	100	334	Horizontal	PASS
6	874.95	6.23	33.24	39.47	46.00	6.53	100	120	Horizontal	PASS

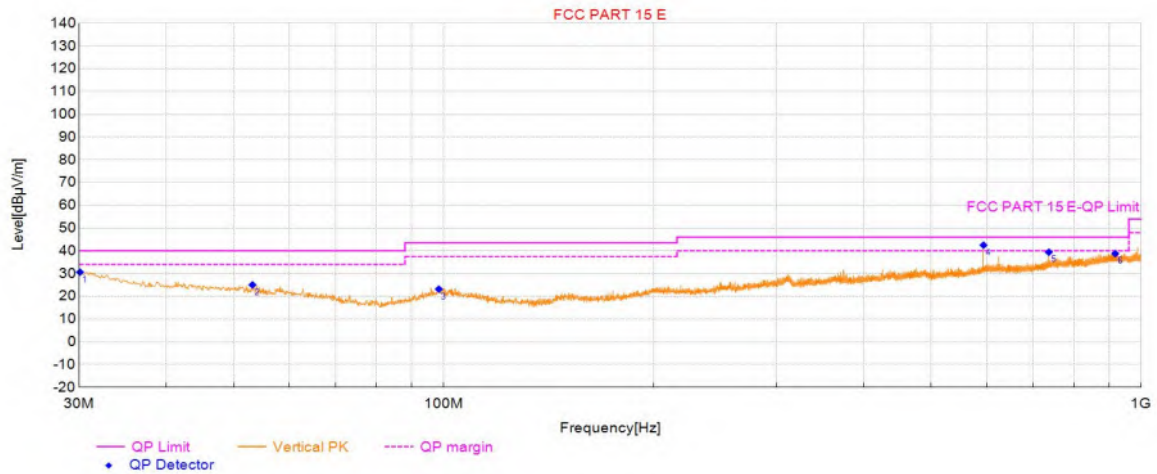
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5320	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:50:57

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.10	13.2	17.44	30.64	40.00	9.36	100	159	Vertical	PASS
2	53.19	4.07	20.97	25.04	40.00	14.96	100	20	Vertical	PASS
3	98.39	3.57	19.60	23.17	43.50	20.33	100	249	Vertical	PASS
4	594.01	12.96	29.53	42.49	46.00	3.51	100	59	Vertical	PASS
5	737.01	7.73	31.69	39.42	46.00	6.58	100	64	Vertical	PASS
6	917.54	4.89	33.88	38.77	46.00	7.23	100	315	Vertical	PASS

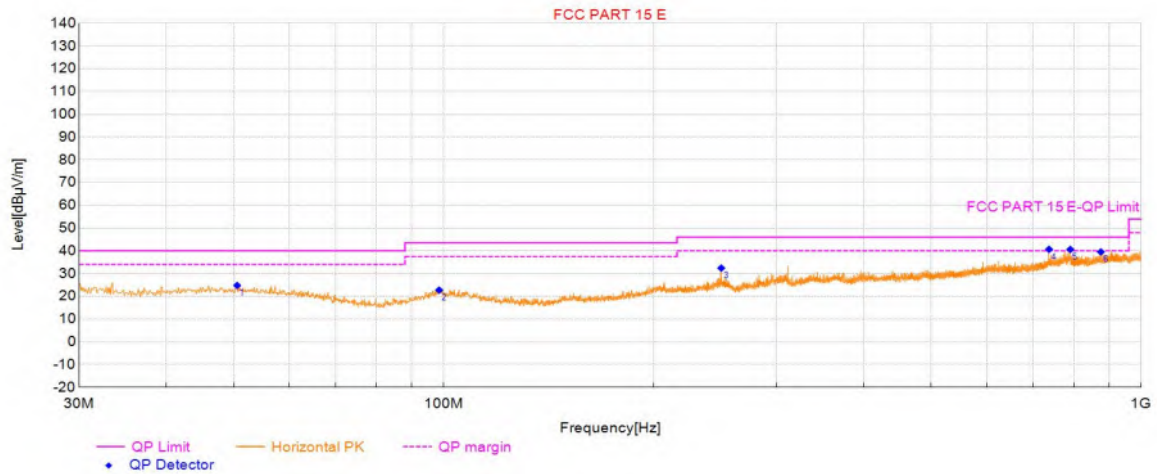
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5580	Voltage:	DC 24V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:53:11

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	50.57	3.55	21.23	24.78	40.00	15.22	100	187	Horizontal	PASS
2	98.49	3.13	19.62	22.75	43.50	20.75	100	226	Horizontal	PASS
3	249.92	10.71	21.71	32.42	46.00	13.58	100	167	Horizontal	PASS
4	737.49	8.97	31.70	40.67	46.00	5.33	100	326	Horizontal	PASS
5	791.04	8.51	32.10	40.61	46.00	5.39	100	124	Horizontal	PASS
6	875.05	6.28	33.25	39.53	46.00	6.47	100	120	Horizontal	PASS

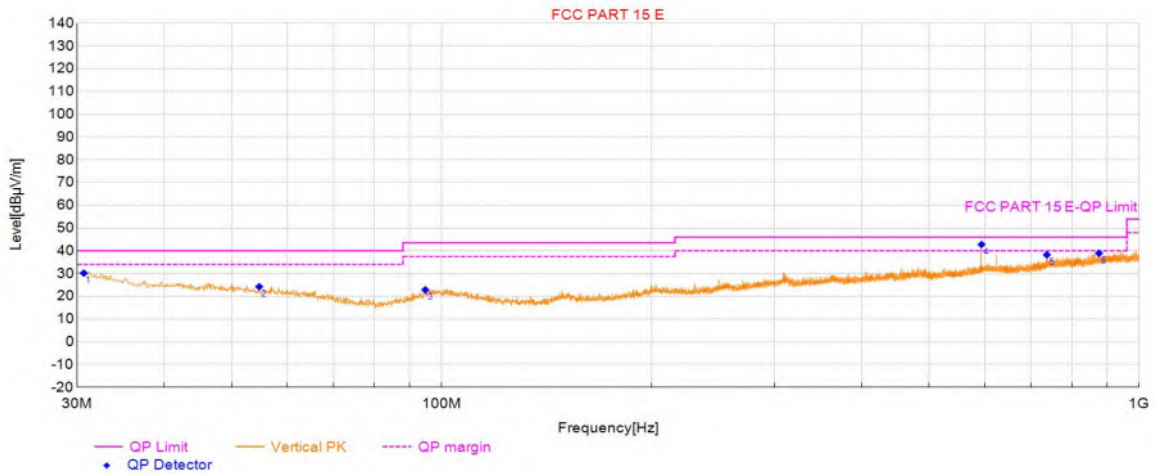
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5580	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:53:53

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.68	12.73	17.49	30.22	40.00	9.78	100	0	Vertical	PASS
2	54.74	3.43	20.81	24.24	40.00	15.76	100	180	Vertical	PASS
3	94.71	4.15	18.71	22.86	43.50	20.64	100	4	Vertical	PASS
4	594.01	13.25	29.53	42.78	46.00	3.22	100	224	Vertical	PASS
5	737.01	6.58	31.69	38.27	46.00	7.73	100	60	Vertical	PASS
6	875.54	5.66	33.26	38.92	46.00	7.08	100	332	Vertical	PASS

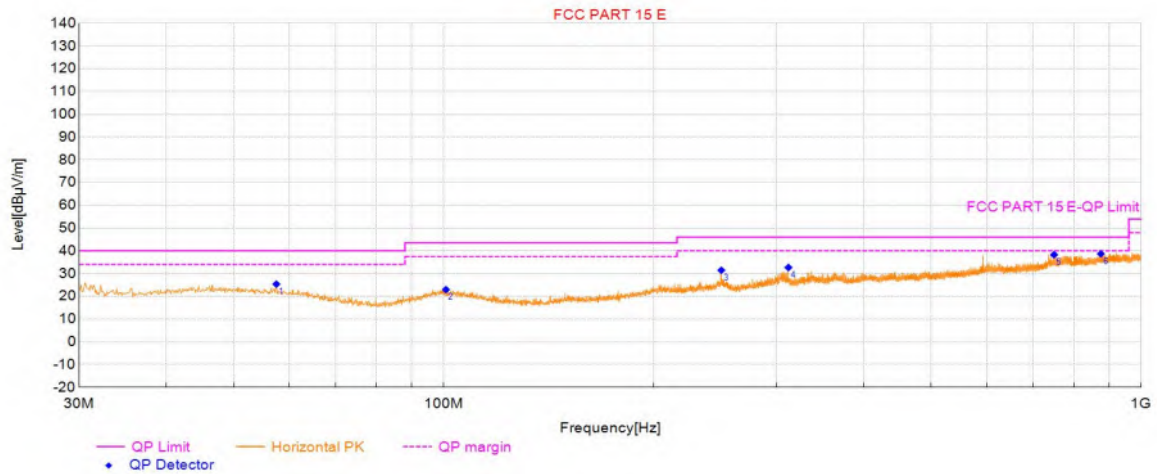
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5745	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:55:15

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	57.55	4.85	20.52	25.37	40.00	14.63	100	266	Horizontal	PASS
2	100.72	3.02	19.95	22.97	43.50	20.53	100	2	Horizontal	PASS
3	250.02	9.77	21.71	31.48	46.00	14.52	100	210	Horizontal	PASS
4	312.01	9.96	22.73	32.69	46.00	13.31	100	104	Horizontal	PASS
5	750.01	6.25	32.04	38.29	46.00	7.71	100	334	Horizontal	PASS
6	875.05	5.42	33.25	38.67	46.00	7.33	100	61	Horizontal	PASS

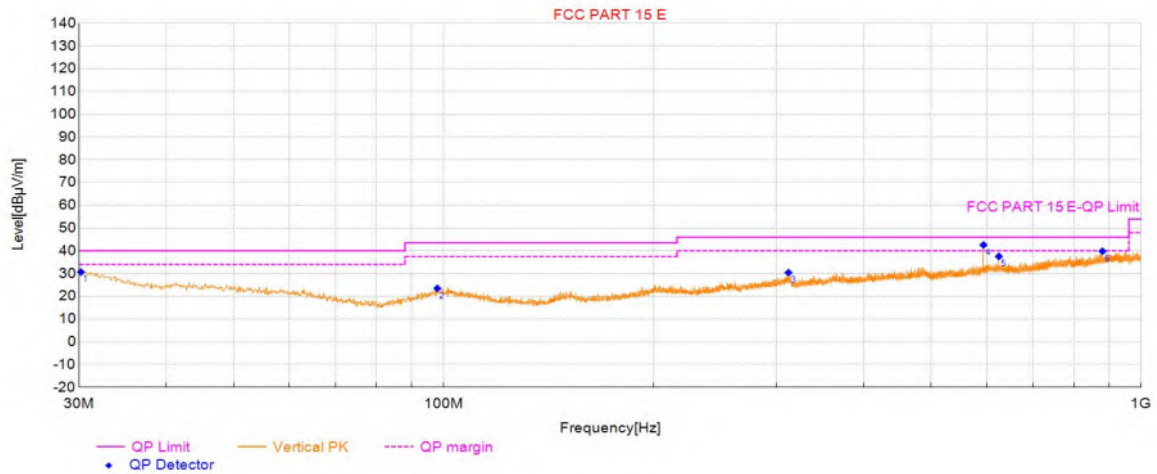
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:	Portable Capture Host		
Customer:			
Model:	CSP50	SN:	
Mode:	11A_MCS0_5745	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-18 11:55:57

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Level (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.19	13.25	17.45	30.70	40.00	9.30	100	194	Vertical	PASS
2	97.91	4.02	19.48	23.50	43.50	20.00	100	255	Vertical	PASS
3	312.01	7.68	22.73	30.41	46.00	15.59	100	358	Vertical	PASS
4	594.01	13.06	29.53	42.59	46.00	3.41	100	58	Vertical	PASS
5	625.06	7.61	29.93	37.54	46.00	8.46	100	8	Vertical	PASS
6	879.71	6.5	33.33	39.83	46.00	6.17	100	41	Vertical	PASS

Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

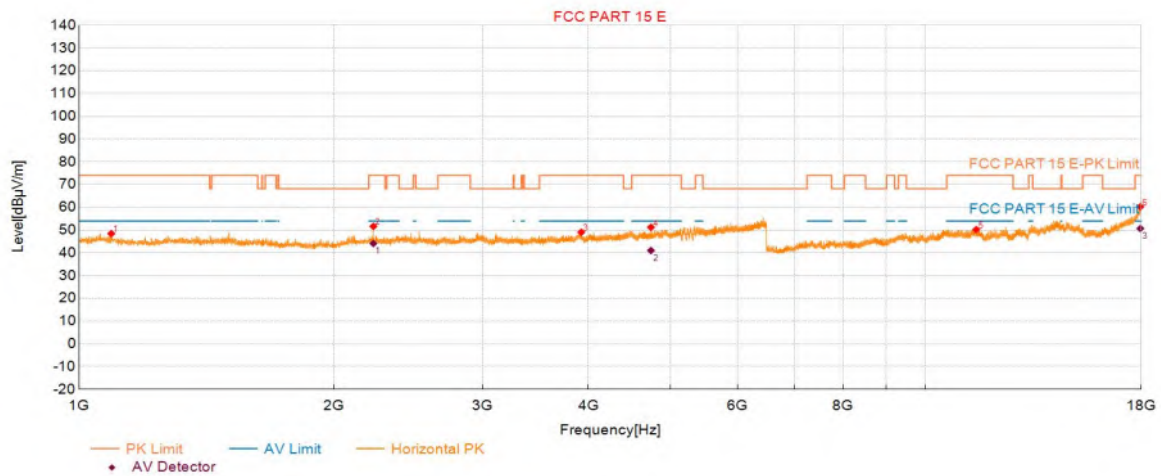
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5180	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:25:53

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1091.86	46.52	48.46	1.94	74.00	25.54	150	207	Horizontal
2	2227.72	43.54	51.65	8.11	74.00	22.35	150	243	Horizontal
3	3921.89	35.94	49.04	13.10	74.00	24.96	150	351	Horizontal
4	4740.92	34.96	51.24	16.28	74.00	22.76	150	190	Horizontal
5	11489.20	42.16	50.24	8.08	74.00	23.76	150	341	Horizontal
6	17952.85	37.27	60.26	22.99	74.00	13.74	150	172	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.72	36.01	8.11	44.12	54.00	9.88	150	243	Horizontal
2	4740.92	24.75	16.28	41.03	54.00	12.97	150	190	Horizontal
3	17952.85	27.71	22.99	50.70	54.00	3.30	150	172	Horizontal

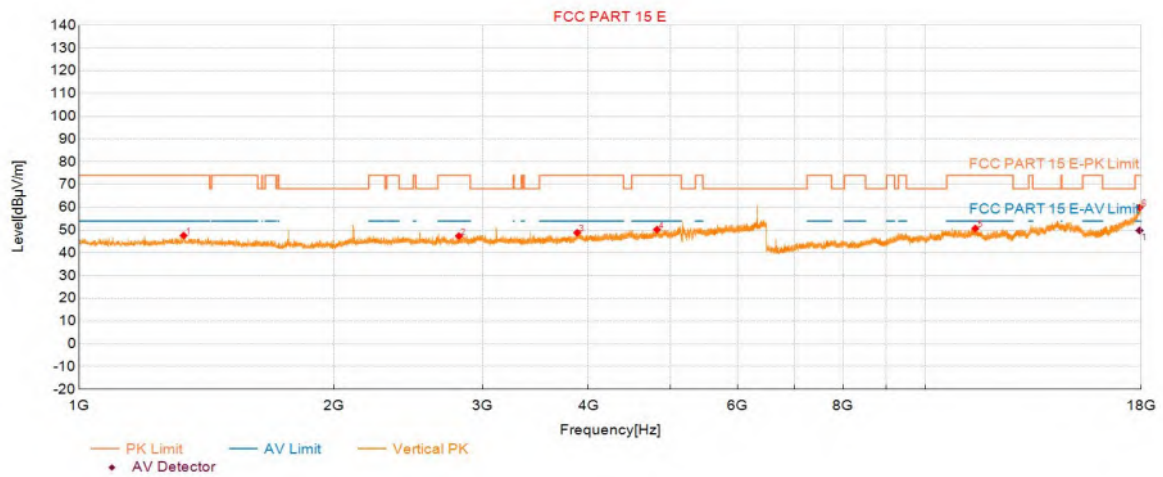
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5180	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:27:14

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1329.48	43.48	47.62	4.14	74.00	26.38	150	269	Vertical
2	2811.33	38.33	47.39	9.06	74.00	26.61	150	122	Vertical
3	3878.44	36.03	48.83	12.80	74.00	25.17	150	214	Vertical
4	4819.03	33.58	50.22	16.64	74.00	23.78	150	360	Vertical
5	11459.30	42.66	50.68	8.02	74.00	23.32	150	122	Vertical
6	17914.89	37.20	59.92	22.72	74.00	14.08	150	74	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17914.89	27.11	22.72	49.83	54.00	4.17	150	74	Vertical

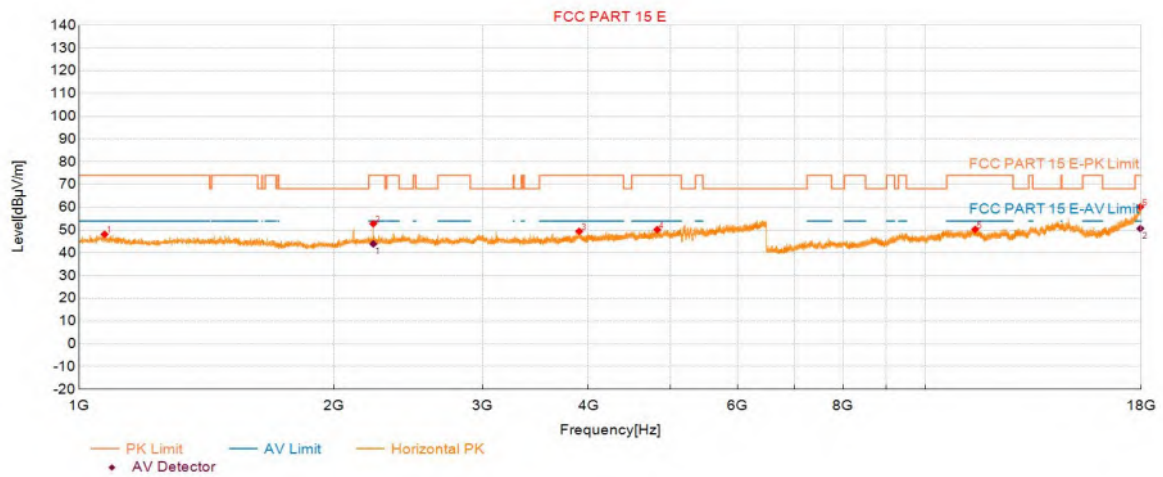
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5200	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:29:20

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1072.06	46.33	48.16	1.83	74.00	25.84	150	208	Horizontal
2	2227.17	44.70	52.82	8.12	74.00	21.18	150	239	Horizontal
3	3899.89	36.39	49.46	13.07	74.00	24.54	150	360	Horizontal
4	4821.78	33.50	50.16	16.66	74.00	23.84	150	274	Horizontal
5	11454.70	42.31	50.32	8.01	74.00	23.68	150	166	Horizontal
6	17955.15	37.18	60.18	23.00	74.00	13.82	150	166	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.17	35.81	8.12	43.93	54.00	10.07	150	239	Horizontal
2	17955.15	27.68	23.00	50.68	54.00	3.32	150	166	Horizontal

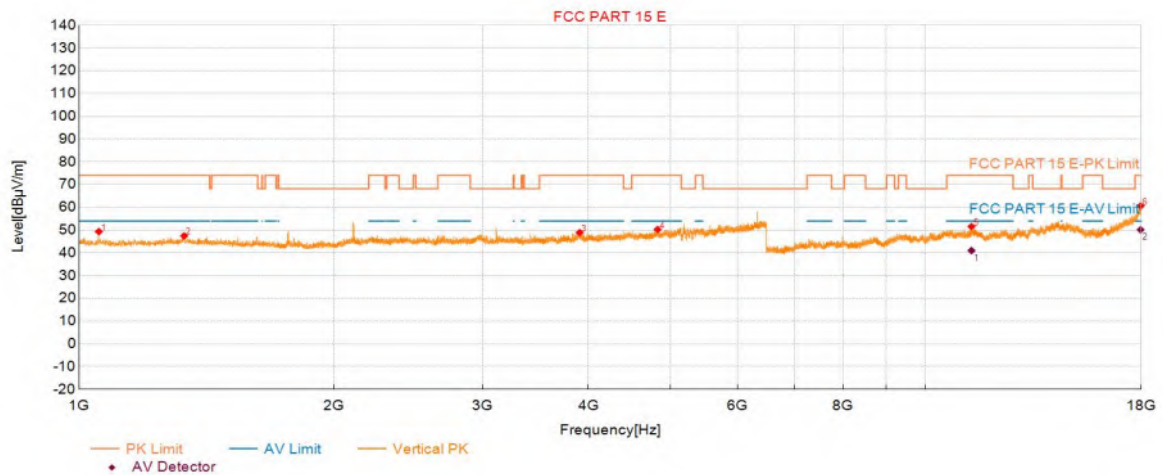
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5200	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:30:40

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1055.56	47.60	49.33	1.73	74.00	24.67	150	311	Vertical
2	1331.13	43.27	47.42	4.15	74.00	26.58	150	268	Vertical
3	3904.29	35.81	48.89	13.08	74.00	25.11	150	360	Vertical
4	4827.83	33.53	50.25	16.72	74.00	23.75	150	43	Vertical
5	11340.83	43.71	51.54	7.83	74.00	22.46	150	4	Vertical
6	17966.65	37.48	60.57	23.09	74.00	13.43	150	285	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	11340.83	33.17	7.83	41.00	54.00	13.00	150	4	Vertical
2	17966.65	27.08	23.09	50.17	54.00	3.83	150	285	Vertical

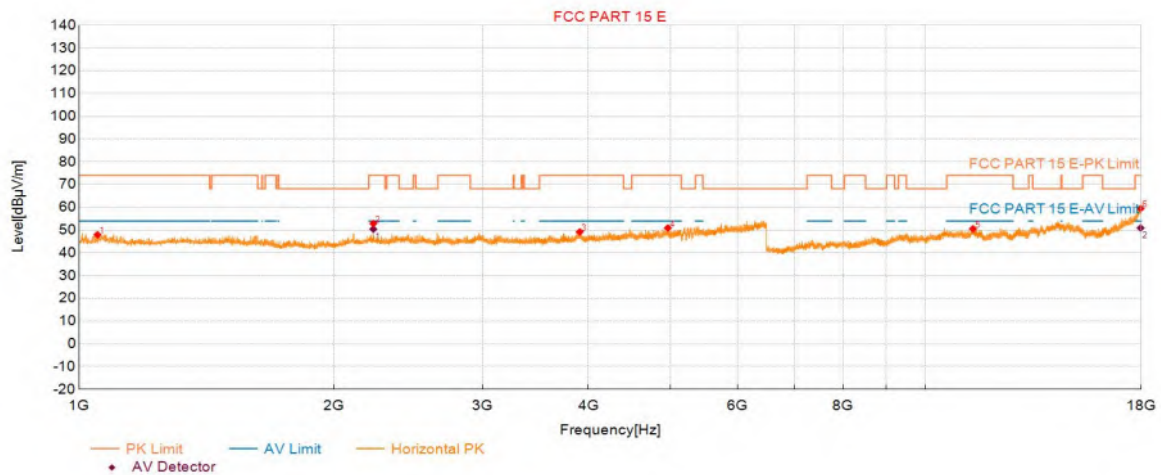
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5240	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:32:25

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1051.71	46.24	47.95	1.71	74.00	26.05	150	222	Horizontal
2	2227.17	44.76	52.88	8.12	74.00	21.12	150	222	Horizontal
3	3905.39	36.11	49.19	13.08	74.00	24.81	150	100	Horizontal
4	4963.70	33.79	50.91	17.12	74.00	23.09	150	360	Horizontal
5	11385.69	42.68	50.57	7.89	74.00	23.43	150	294	Horizontal
6	17967.80	36.38	59.48	23.10	74.00	14.52	150	0	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.17	42.31	8.12	50.43	54.00	3.57	150	222	Horizontal
2	17967.80	27.85	23.10	50.95	54.00	3.05	150	0	Horizontal

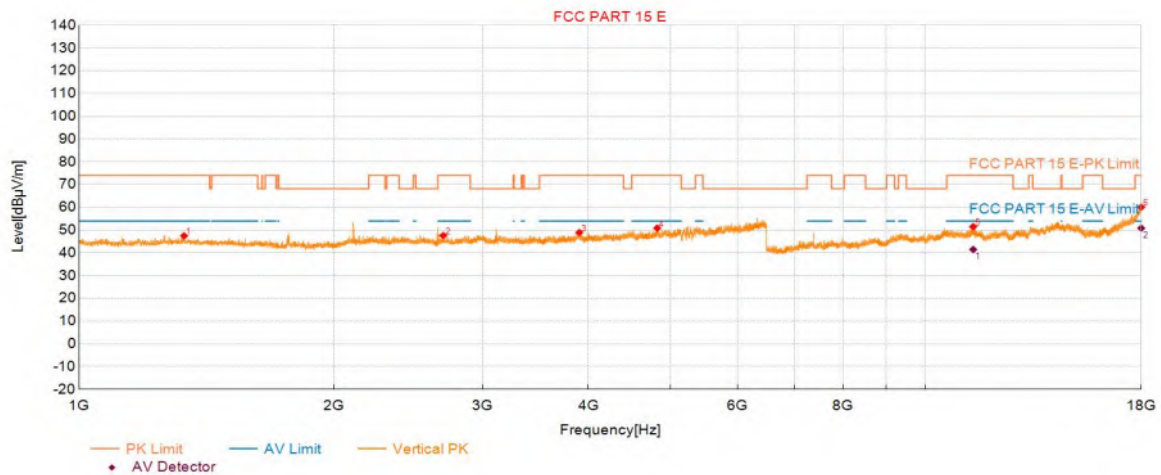
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5240	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:33:45

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1331.13	43.32	47.47	4.15	74.00	26.53	150	269	Vertical
2	2694.17	39.06	47.59	8.53	74.00	26.41	150	227	Vertical
3	3900.44	35.84	48.91	13.07	74.00	25.09	150	360	Vertical
4	4822.33	34.18	50.85	16.67	74.00	23.15	150	277	Vertical
5	11393.74	43.58	51.48	7.90	74.00	22.52	150	122	Vertical
6	17998.85	36.77	60.09	23.32	74.00	13.91	150	208	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	11393.74	33.56	7.90	41.46	54.00	12.54	150	122	Vertical
2	17998.85	27.54	23.32	50.86	54.00	3.14	150	208	Vertical

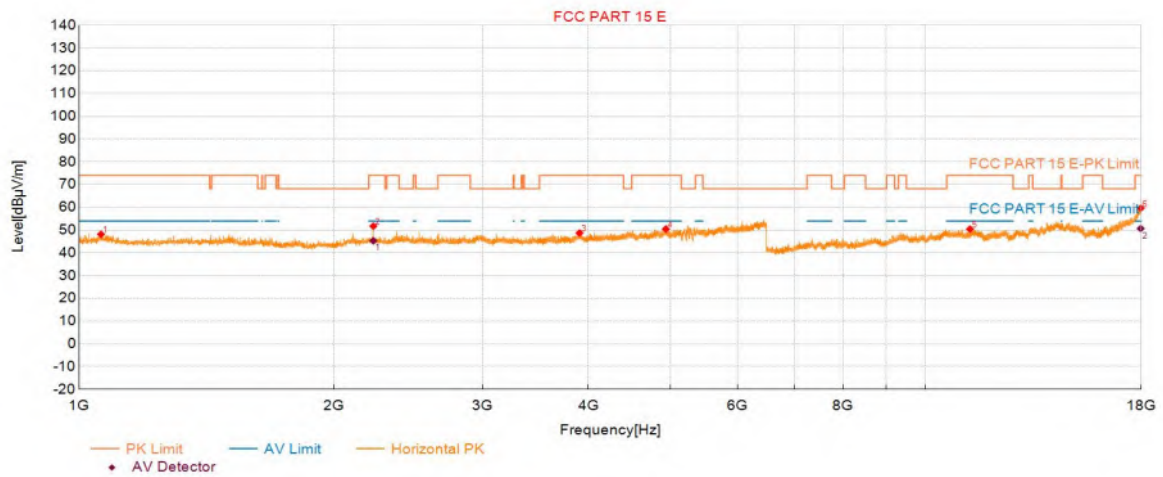
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5260	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:35:34

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1061.61	46.40	48.17	1.77	74.00	25.83	150	207	Horizontal
2	2227.17	43.62	51.74	8.12	74.00	22.26	150	219	Horizontal
3	3903.19	35.64	48.71	13.07	74.00	25.29	150	196	Horizontal
4	4936.74	33.40	50.46	17.06	74.00	23.54	150	21	Horizontal
5	11291.38	42.67	50.44	7.77	74.00	23.56	150	0	Horizontal
6	17970.10	36.48	59.59	23.11	74.00	14.41	150	156	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.17	37.17	8.12	45.29	54.00	8.71	150	219	Horizontal
2	17970.10	27.56	23.11	50.67	54.00	3.33	150	156	Horizontal

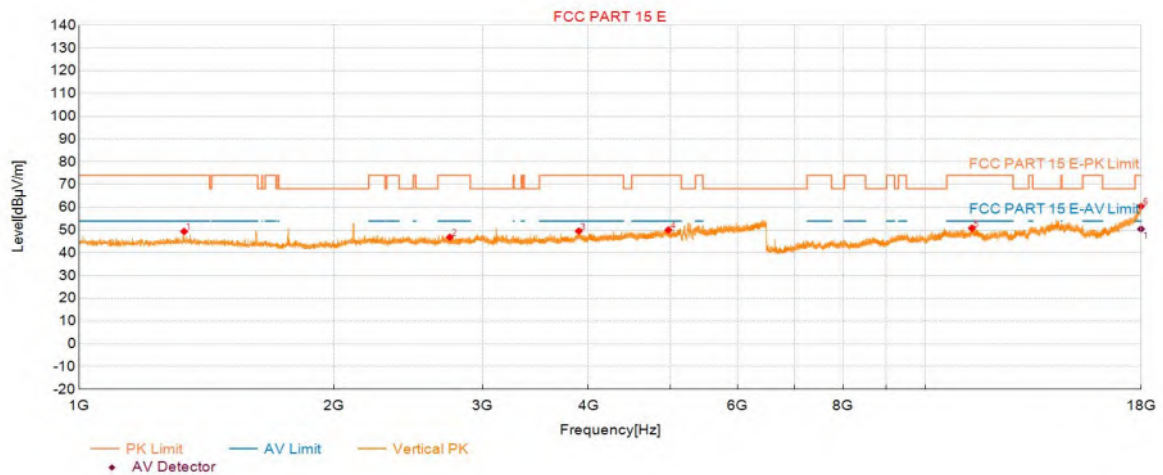
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5260	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:36:54

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1331.13	45.23	49.38	4.15	74.00	24.62	150	272	Vertical
2	2742.02	38.30	46.84	8.54	74.00	27.16	150	166	Vertical
3	3895.49	36.56	49.57	13.01	74.00	24.43	150	136	Vertical
4	4973.05	32.86	50.04	17.18	74.00	23.96	150	191	Vertical
5	11355.79	42.96	50.81	7.85	74.00	23.19	150	3	Vertical
6	17988.50	37.22	60.46	23.24	74.00	13.54	150	101	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17988.50	27.23	23.24	50.47	54.00	3.53	150	101	Vertical

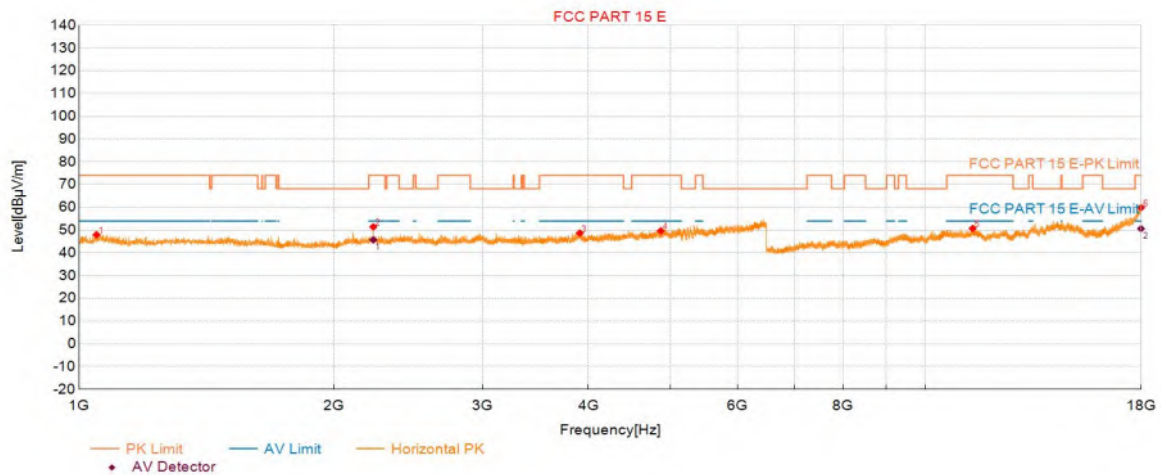
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5280	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:38:51

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1048.95	46.27	47.97	1.70	74.00	26.03	150	211	Horizontal
2	2227.17	43.28	51.40	8.12	74.00	22.60	150	247	Horizontal
3	3904.84	35.56	48.64	13.08	74.00	25.36	150	211	Horizontal
4	4869.64	32.69	49.68	16.99	74.00	24.32	150	345	Horizontal
5	11375.34	42.85	50.73	7.88	74.00	23.27	150	35	Horizontal
6	17988.50	36.63	59.87	23.24	74.00	14.13	150	87	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.17	37.59	8.12	45.71	54.00	8.29	150	247	Horizontal
2	17988.50	27.39	23.24	50.63	54.00	3.37	150	87	Horizontal

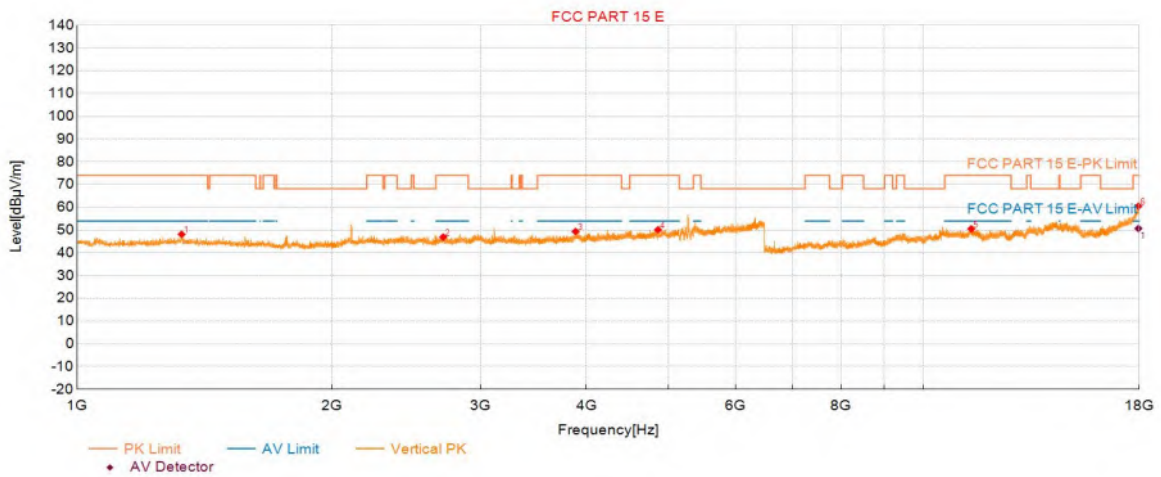
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5280	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:40:11

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1329.48	44.01	48.15	4.14	74.00	25.85	150	270	Vertical
2	2708.47	38.35	46.93	8.58	74.00	27.07	150	316	Vertical
3	3882.84	36.52	49.37	12.85	74.00	24.63	150	304	Vertical
4	4859.74	33.22	50.16	16.94	74.00	23.84	150	8	Vertical
5	11393.74	42.66	50.56	7.90	74.00	23.44	150	221	Vertical
6	17957.45	37.50	60.52	23.02	74.00	13.48	150	56	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17957.45	27.70	23.02	50.72	54.00	3.28	150	56	Vertical

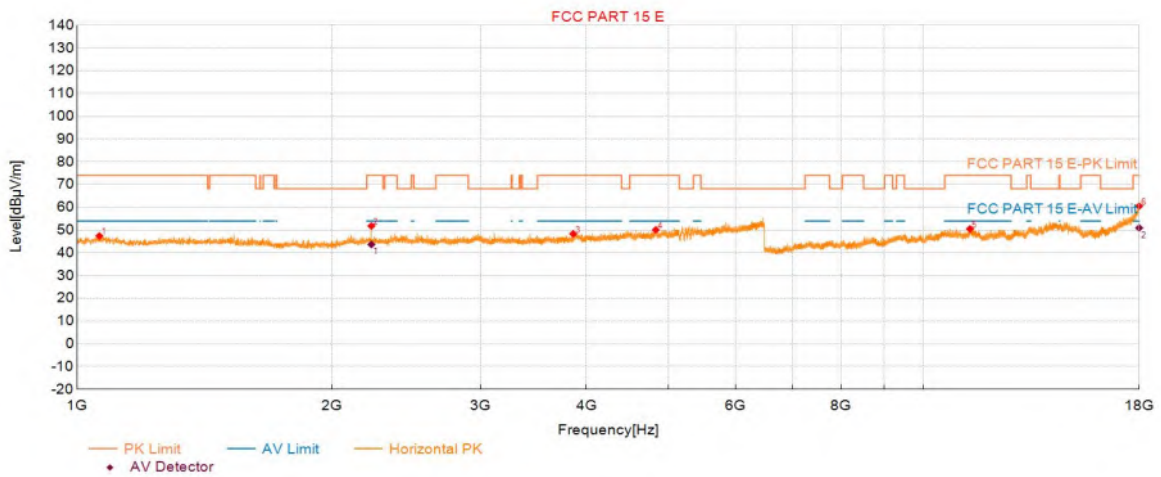
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5320	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:42:19

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1062.71	45.67	47.44	1.77	74.00	26.56	150	116	Horizontal
2	2227.72	43.70	51.81	8.11	74.00	22.19	150	237	Horizontal
3	3856.99	35.82	48.35	12.53	74.00	25.65	150	169	Horizontal
4	4830.03	33.37	50.10	16.73	74.00	23.90	150	150	Horizontal
5	11354.64	42.67	50.52	7.85	74.00	23.48	150	0	Horizontal
6	17994.25	37.22	60.51	23.29	74.00	13.49	150	250	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.72	35.57	8.11	43.68	54.00	10.32	150	237	Horizontal
2	17994.25	27.68	23.29	50.97	54.00	3.03	150	250	Horizontal

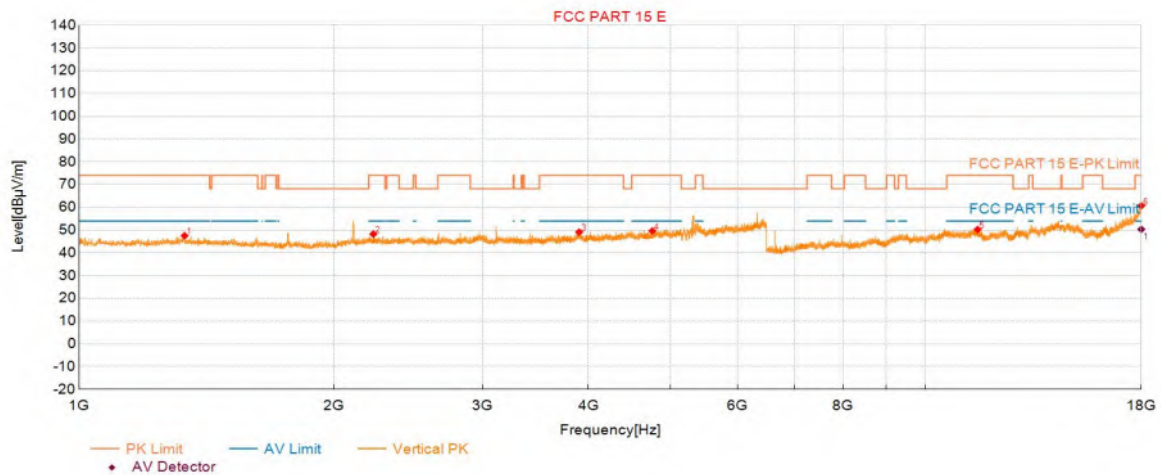
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5320	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:43:40

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1332.78	43.36	47.53	4.17	74.00	26.47	150	264	Vertical
2	2227.17	40.12	48.24	8.12	74.00	25.76	150	354	Vertical
3	3899.34	36.02	49.08	13.06	74.00	24.92	150	210	Vertical
4	4758.53	33.19	49.62	16.43	74.00	24.38	150	331	Vertical
5	11530.60	42.28	50.24	7.96	74.00	23.76	150	73	Vertical
6	18000.00	37.34	60.67	23.33	74.00	13.33	150	162	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18000.00	27.02	23.33	50.35	54.00	3.65	150	162	Vertical

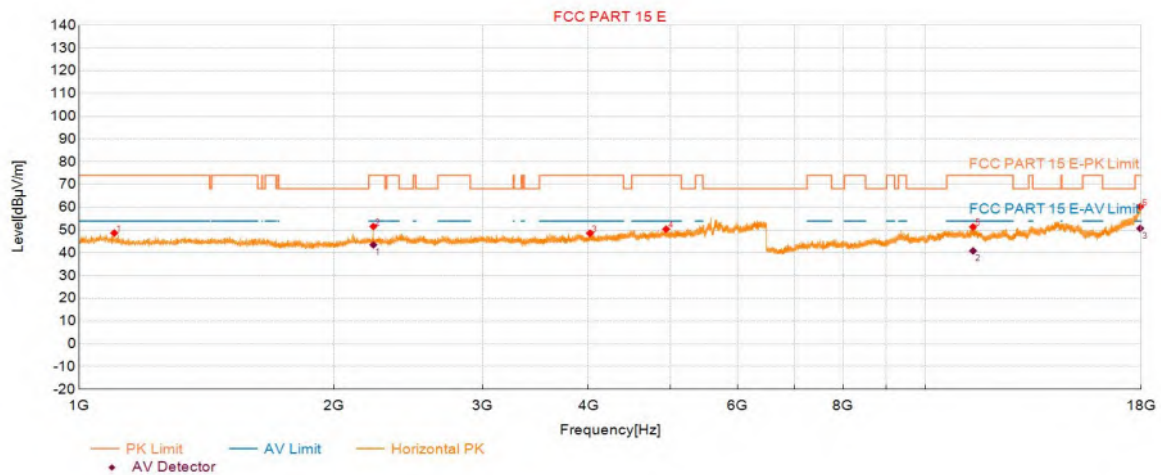
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5500	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:45:34

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1100.66	46.60	48.68	2.08	74.00	25.32	150	213	Horizontal
2	2227.72	43.48	51.58	8.10	74.00	22.42	150	245	Horizontal
3	4015.40	35.31	48.60	13.29	74.00	25.40	150	177	Horizontal
4	4940.59	33.50	50.40	16.90	74.00	23.60	150	357	Horizontal
5	11389.14	43.50	51.39	7.89	74.00	22.61	150	225	Horizontal
6	17947.09	37.31	60.26	22.95	74.00	13.74	150	260	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.72	35.41	8.10	43.51	54.00	10.49	150	245	Horizontal
2	11389.14	32.97	7.89	40.86	54.00	13.14	150	225	Horizontal
3	17947.09	27.81	22.95	50.76	54.00	3.24	150	260	Horizontal

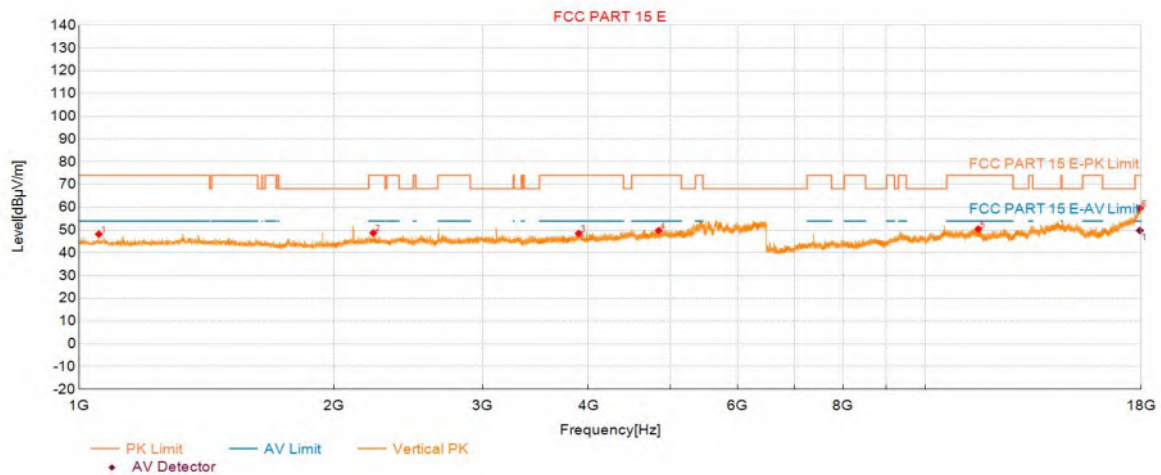
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5500	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:46:54

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1055.56	46.33	48.23	1.90	74.00	25.77	150	194	Vertical
2	2227.17	40.61	48.72	8.11	74.00	25.28	150	116	Vertical
3	3894.94	35.63	48.50	12.87	74.00	25.50	150	360	Vertical
4	4841.58	33.06	49.76	16.70	74.00	24.24	150	16	Vertical
5	11551.31	42.60	50.46	7.86	74.00	23.54	150	288	Vertical
6	17930.99	36.72	59.56	22.84	74.00	14.44	150	15	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17930.99	26.99	22.84	49.83	54.00	4.17	150	15	Vertical

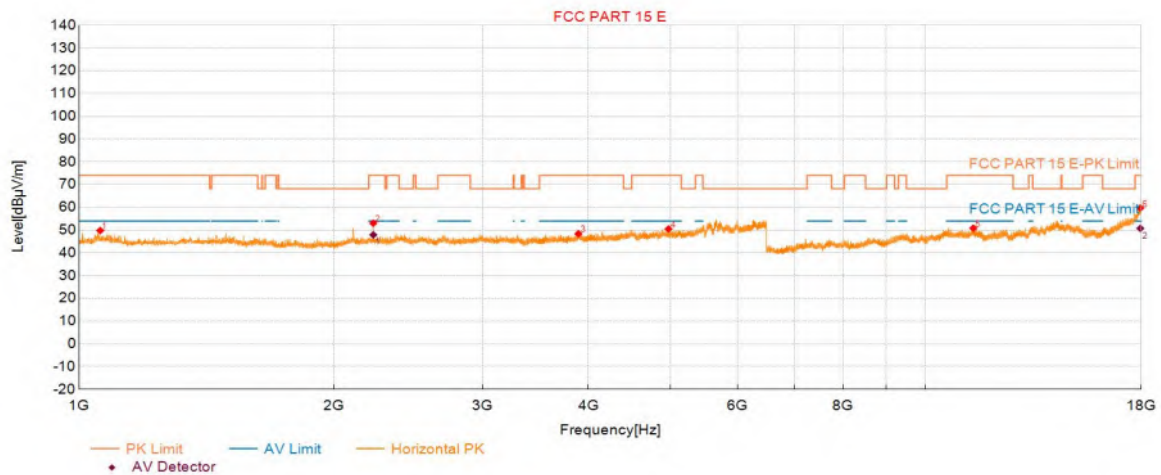
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5580	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:48:35

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1059.41	47.91	49.83	1.92	74.00	24.17	150	202	Horizontal
2	2227.17	44.91	53.02	8.11	74.00	20.98	150	236	Horizontal
3	3891.09	35.54	48.38	12.84	74.00	25.62	150	236	Horizontal
4	4973.60	33.38	50.50	17.12	74.00	23.50	150	101	Horizontal
5	11397.19	42.95	50.86	7.91	74.00	23.14	150	330	Horizontal
6	17954.00	36.68	59.68	23.00	74.00	14.32	150	324	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.17	39.80	8.11	47.91	54.00	6.09	150	236	Horizontal
2	17954.00	27.76	23.00	50.76	54.00	3.24	150	324	Horizontal

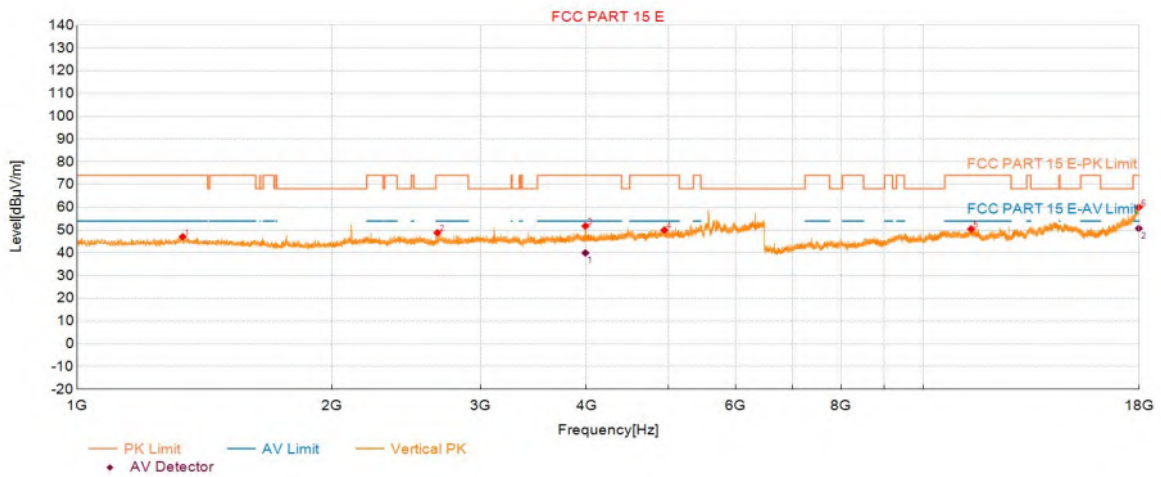
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5580	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:49:56

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1333.33	42.78	47.03	4.25	74.00	26.97	150	357	Vertical
2	2665.57	40.36	48.83	8.47	74.00	25.17	150	267	Vertical
3	3988.45	38.50	51.79	13.29	74.00	22.21	150	212	Vertical
4	4944.99	33.12	50.03	16.91	74.00	23.97	150	139	Vertical
5	11387.99	42.55	50.44	7.89	74.00	23.56	150	51	Vertical
6	17979.30	36.85	60.03	23.18	74.00	13.97	150	82	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	3988.45	26.69	13.29	39.98	54.00	14.02	150	212	Vertical
2	17979.30	27.55	23.18	50.73	54.00	3.27	150	82	Vertical

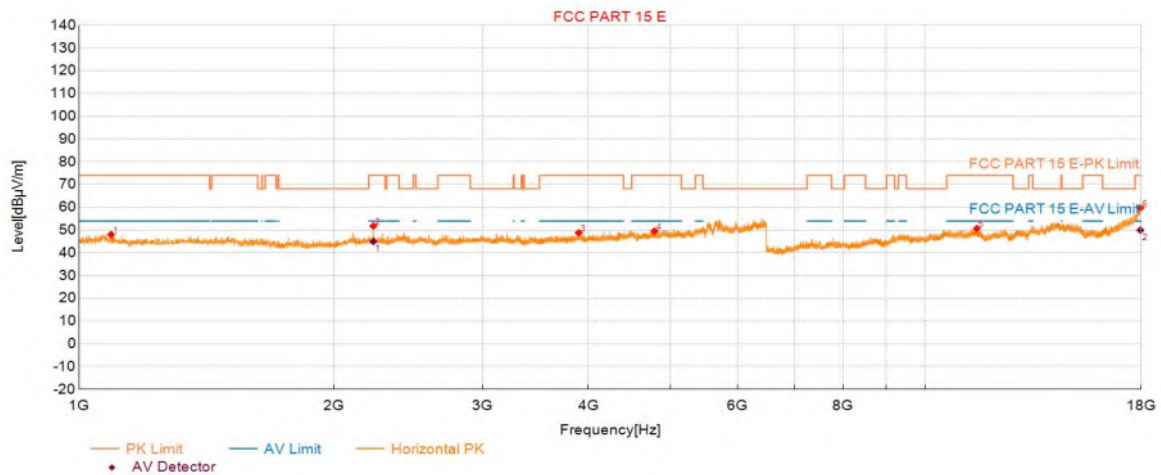
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5700	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:51:52

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1091.31	45.98	48.03	2.05	74.00	25.97	150	207	Horizontal
2	2227.72	43.68	51.78	8.10	74.00	22.22	150	234	Horizontal
3	3894.94	35.93	48.80	12.87	74.00	25.20	150	181	Horizontal
4	4787.13	33.17	49.57	16.40	74.00	24.43	150	46	Horizontal
5	11507.60	42.58	50.65	8.07	74.00	23.35	150	331	Horizontal
6	17955.15	36.71	59.71	23.00	74.00	14.29	150	331	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2227.72	36.87	8.10	44.97	54.00	9.03	150	234	Horizontal
2	17955.15	26.99	23.00	49.99	54.00	4.01	150	331	Horizontal

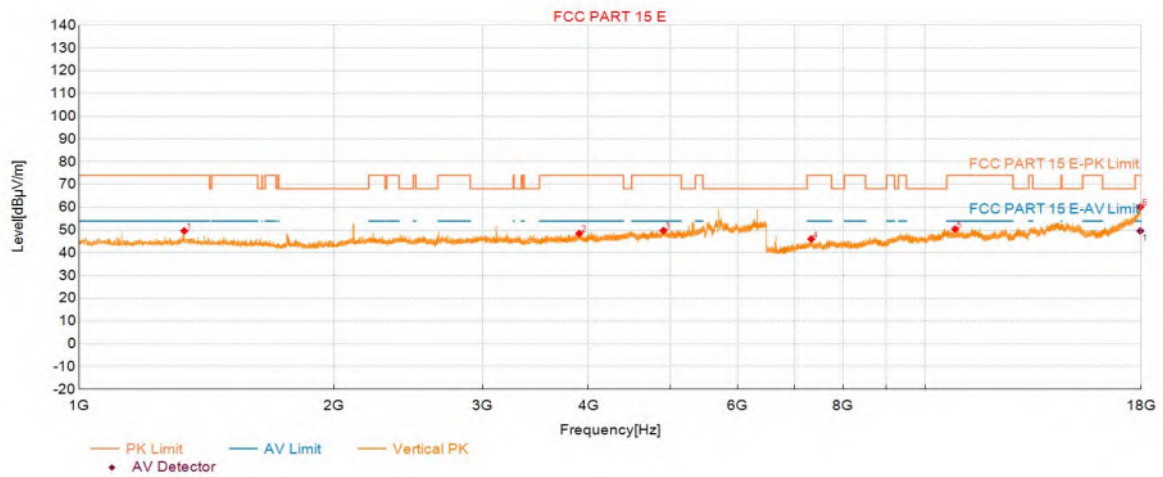
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Portable Capture Host		
EUT:			
Model:	CSP50	SN:	
Mode:	11A_5700	Voltage:	DC 24V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-17 09:53:12

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1331.68	45.41	49.64	4.23	74.00	24.36	150	270	Vertical
2	3900.44	35.54	48.47	12.93	74.00	25.53	150	160	Vertical
3	4903.74	33.00	49.77	16.77	74.00	24.23	150	93	Vertical
4	7332.68	45.89	46.07	0.18	74.00	27.93	150	271	Vertical
5	10843.98	42.46	50.44	7.98	74.00	23.56	150	137	Vertical
6	17956.30	37.15	60.16	23.01	74.00	13.84	150	142	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Level (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17956.30	26.62	23.01	49.63	54.00	4.37	150	142	Vertical

Note1: Level=Reading+Factor, Margin=Limit - Level