Appendix A. Test Result

DUT Information

Frequencies

11ax20 (5560 MHz)	11ax40 (5550 MHz)	11ax80 (5530 MHz)

Bandwidths

20 MHz (20 MHz)	40 MHz (40 MHz)	80 MHz (80 MHz)

DUT Settings

No. of transmission chains	1
DFS capability	Yes
DFS Mode	Primary
Startup time (incl. CAC)	120.00 seconds
Startup time delay	0.00 seconds
Conf. occ. bandwidth for :	nom. Bandwidth '20000000' = 17.715 MHz
Conf. occ. bandwidth for :	nom. Bandwidth '40000000' = 37.975 MHz
Conf. occ. bandwidth for :	nom. Bandwidth '80000000' = 78.253 MHz

Hardware Setup: WMS Measurements\TS8997

Spectrum Analyzer:	SA FSV3044 (SA FSV3044) @ VISA (ADR TCPIP::192.168.48.148::inst0::instr), SN 1330.5000K43/101255, FW 1.60SP1
Vector Generator:	VG SMM100A (VG SMM100A) @ VISA (ADR TCPIP::192.168.48.152::inst0::instr), SN 101740, FW 5.00.044.34
Generator:	SMB100A (SMB100A) @ VISA (ADR TCPIP::192.168.48.150::inst0::instr), SN 183027, FW 4.20.028.58 / Drv:5.8.0
OSP:	OSP-B157W8PLUS (OSP-B157W8PLUS) @ VISA (ADR TCPIP::192.168.48.157::inst0::instr), SN 1527.1144.05 / 100850, FW 2.10.0.23

Summary

Test	Frequency (MHz)	Nominal Bandwidth (MHz)	Result
DFS Channel Availability Check	5530.000	80.000000	PASS

Test	Frequency (MHz)	Nominal Bandwidth (MHz)	Result
DFS In-Service Monitoring	5530.000	80.000000	PASS

Test	Frequency (MHz)	Nominal Bandwidth (MHz)	Result
DFS U-NII Detection Bandwidth	5560.000	20.000000	PASS
DFS U-NII Detection Bandwidth	5550.000	40.000000	PASS
DFS U-NII Detection Bandwidth	5530.000	80.000000	PASS

Test	Frequency (MHz)	Nominal Bandwidth (MHz)	Result
DFS Statistical Performance Check	5560.000	20.000000	PASS
DFS Statistical Performance Check	5550.000	40.000000	PASS
DFS Statistical Performance Check	5530.000	80.000000	PASS

DFS Channel Availability Check (5530 MHz;80 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Waveform Filename used	CAC Type	Overall Result	Overall Comment
5530.000000	FCC15407_2014-Type0-18.wv	Begin of CAC Phase	PASS	
5530.000000	FCC15407_2014-Type0-18.wv	End of CAC Phase	PASS	

Measurement Detailed Results

DUT Frequency (MHz)	Radar Type No.	CAC Type	Measured Startup time (s)	Configured Startup time (s)	Kind of Measurement
5530.000000	0	Begin of CAC Phase	171.836	---	Before Radar Injection
5530.000000	0	Begin of CAC Phase	171.836	---	After Radar Injection
5530.000000	0	End of CAC Phase	171.836	---	Before Radar Injection
5530.000000	0	End of CAC Phase	171.836	---	After Radar Injection

(continuation of the "Measurement Detailed Results" table from column 6 ...)

DUT Frequency (MHz)	Time of Tx Start (s)	Limit (s)	Result	Comment
5530.000000	0.000	0.00	PASS	No emissions detected; OK
5530.000000	>150.0	>150.0	PASS	Limit is acquisition time after radar burst. See Note 1.
5530.000000	0.000	0.00	PASS	No emissions detected; OK
5530.000000	>150.0	>150.0	PASS	Limit is acquisition time after radar burst. See Note 1.

Radar Pulse verification Summary

Radar Type No.	No. of Pulses	Required No. of Pulses	Min. Pulsewidth (µs)	Max. Pulsewidth (µs)	Required Pulsewidth (µs)	Measured Min. PRI (µs)
0	18	18	1.000	1.100	1.000	1427.900
0	18	18	1.000	1.100	1.000	1427.900

(continuation of the "Radar Pulse verification Summary" table from column 7 ...)

Radar Type No.	Measured Max. PRI (µs)	Required PRI (µs)	Result	Comment
0	1428.000	1428	PASS	See Note 3.
0	1428.000	1428	PASS	See Note 3.

Radar Pulse verification detail (Begin of CAC Phase)

Radar Type No.	Pulse No.	Pulsewidth (µs)	Required Pulsewidth (µs)
0	1	1.000	1.000
0	2	1.000	1.000
0	3	1.100	1.000
0	4	1.000	1.000
0	5	1.000	1.000
0	6	1.100	1.000
0	7	1.000	1.000
0	8	1.000	1.000
0	9	1.000	1.000
0	10	1.000	1.000
0	11	1.000	1.000
0	12	1.100	1.000
0	13	1.000	1.000
0	14	1.000	1.000
0	15	1.000	1.000
0	16	1.000	1.000
0	17	1.000	1.000
0	18	1.000	1.000

Radar Pulse verification detail (End of CAC Phase)

Radar Type No.	Pulse No.	Pulsewidth (µs)	Required Pulsewidth (µs)
0	1	1.000	1.000
0	2	1.100	1.000
0	3	1.100	1.000
0	4	1.000	1.000
0	5	1.000	1.000
0	6	1.100	1.000
0	7	1.000	1.000
0	8	1.000	1.000
0	9	1.100	1.000
0	10	1.000	1.000
0	11	1.000	1.000
0	12	1.000	1.000
0	13	1.100	1.000
0	14	1.000	1.000
0	15	1.000	1.000
0	16	1.100	1.000
0	17	1.000	1.000
0	18	1.000	1.000

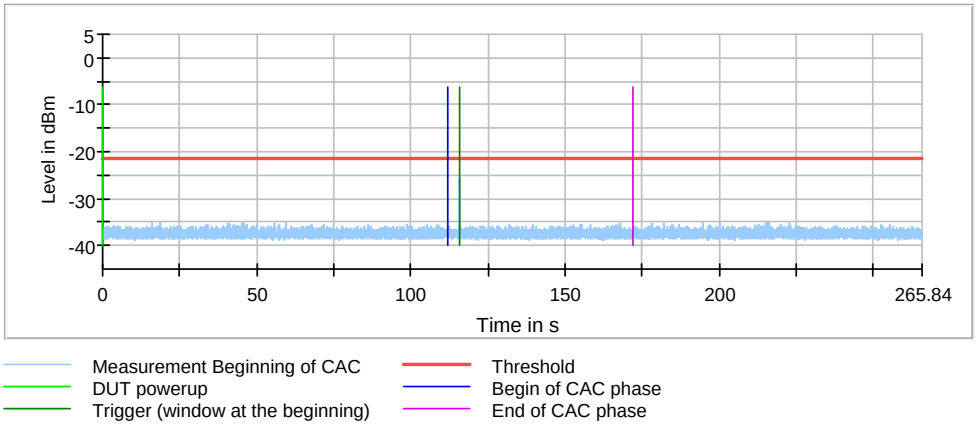
Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Configured DUT EIRP:	251.19	mW
Configured DUT PSD:	9.00	dBm/MHz
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-64	dBm
Vector Generator level setting	-26.98	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.02	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-63.00	dBm

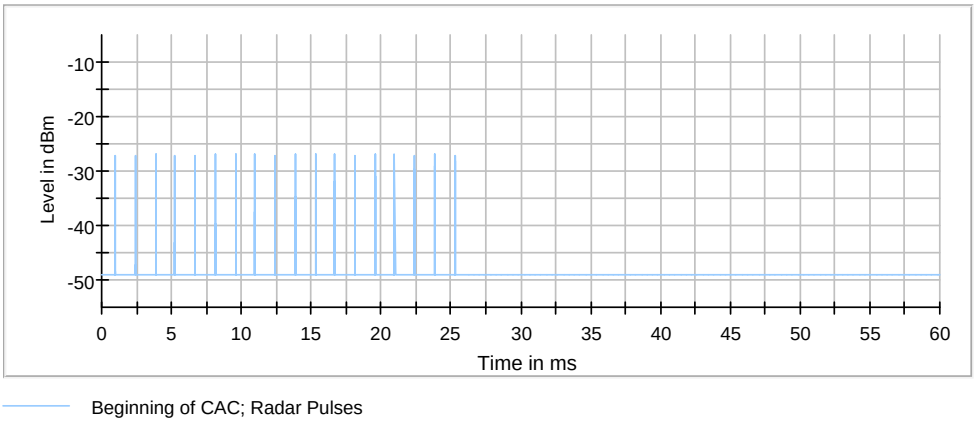
Additional Information

Note	Description
Note 1:	**Sweep of Analyser and Radar pulse waveform are triggered at the same time. Therefore, the radar pulses maybe can be seen at the trigger point of the trace. Analysis of the Sweeps excludes the covered time for the radar pulses.**
Note 2:	**The radar signal is simultaneously evaluated as the analyser sweep after radar injection.**
Note 3:	**Measurement uncertainty due to sampling rate of 10MHz is 300ns (3 samples)**
Note 4:	**If user defined waveform is configured (myARB.wv) then no additional limits are available and measured values can not be checked.**

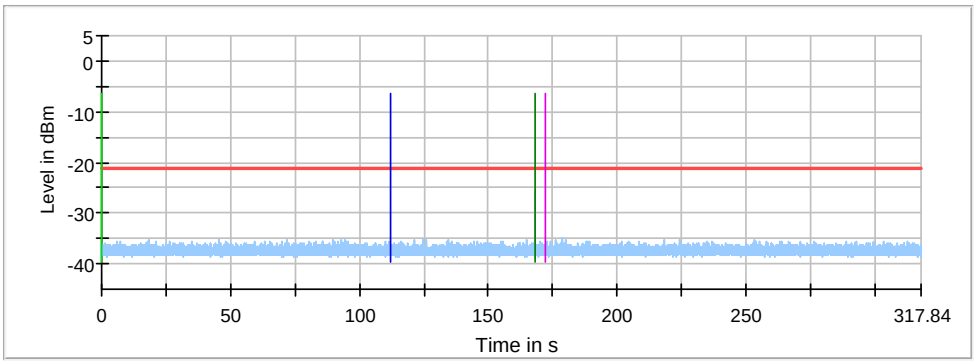
Measurement Beginning of CAC



Beginning of CAC; Radar Pulses

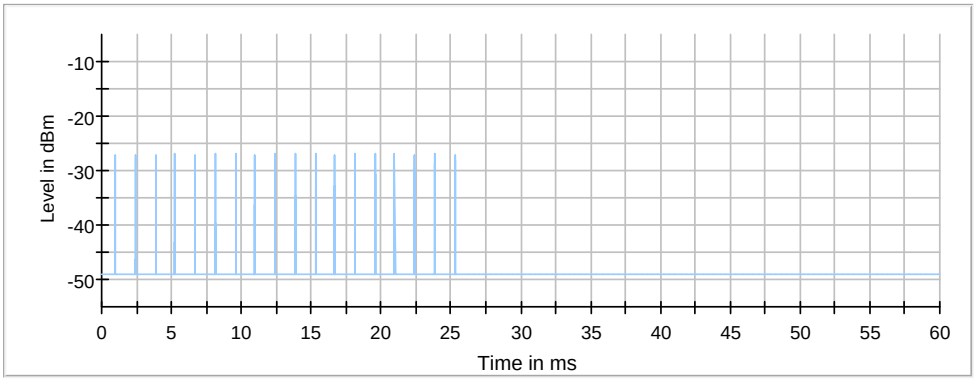


Measurement End of CAC



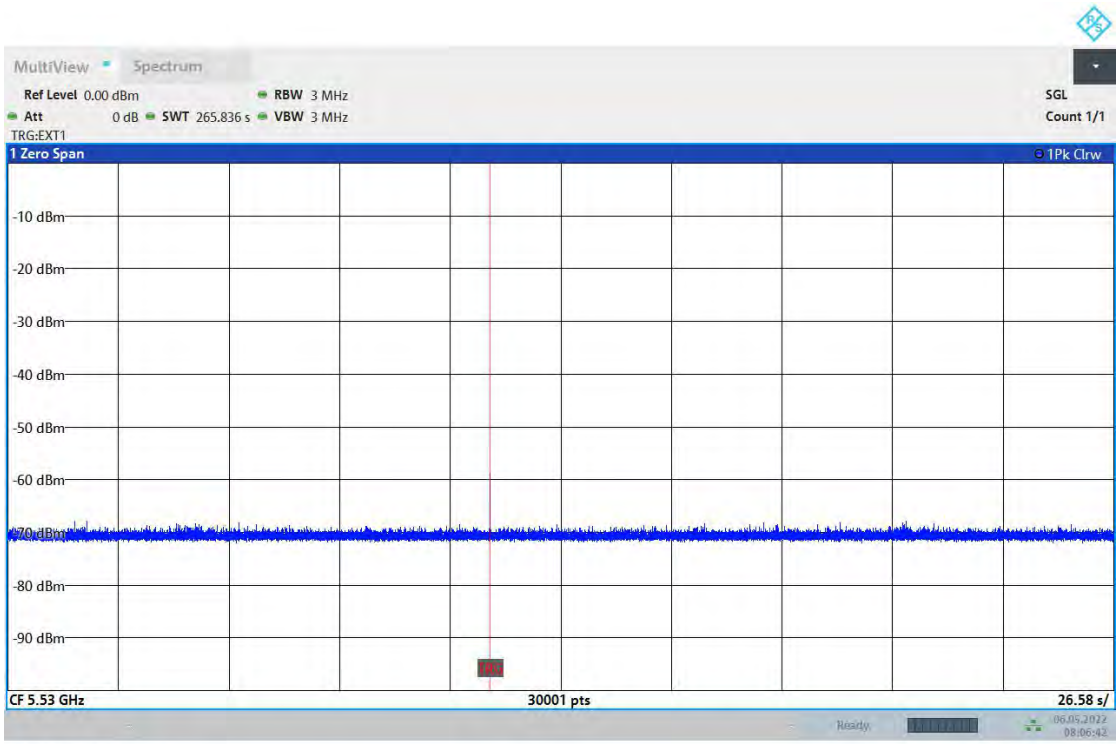
Measurement End of CAC
Begin of CAC phase
Threshold
Trigger (window at the end)
DUT powerup
End of CAC phase

End of CAC; Radar Pulses



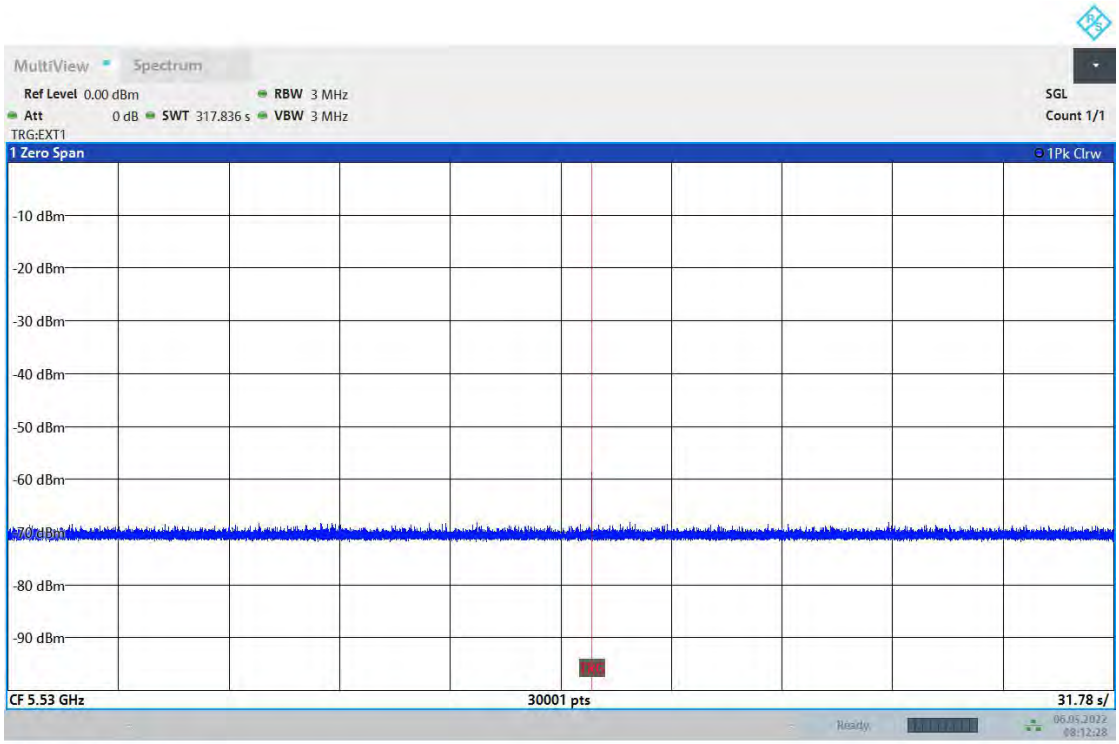
End of CAC; Radar Pulses

Measurement Beginning of CAC



08:06:42 06.05.2022

Measurement End of CAC



08:12:29 06.05.2022

Startup time

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1001	~ 1001
Sweeptime	20.000 ms	20.000 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	Video	Video
Trigger Mode	constant	constant
Trigger Level	45.500 %	45.536 %
Trigger Offset	0.000 s	0.000 s

Begin of CAC Phase

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	265.836 s	265.836 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	115.836 s	115.836 s

End of CAC Phase

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	317.836 s	317.836 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	167.836 s	167.836 s

OSP Radar Pulse Detector

Setting	Instrument Value	Target Value
Measurement Time	100.000 ms	100.000 ms
Samplerate	10000 kHz	10000 kHz
Tracepoints	1000000	1000000
Time resolution	0.100 µs	0.100 µs
Detector	Peak	Peak

DFS In-Service Monitoring (5530 MHz;80 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Type of Measurement value	Overall Result
5530.000000	0	First of all Transmitt Test	---
5530.000000	0	Channel Move Time	PASS
5530.000000	0	Channel Closing Transmission Time	PASS
5530.000000	0	Non-occupancy period	PASS

(continuation of the "Measurement Summary" table from column 4 ...)

DUT Frequency (MHz)	Overall Comment
5530.000000	not performed / not finished
5530.000000	
5530.000000	
5530.000000	

Channel Move Time Detailed Result

DUT Frequency (MHz)	Radar Type No.	CMT Tx Time (s)	CMT Limit (s)	CMT Result	CMT Comment
5530.000000	0	0.000	10.000	PASS	Tx Time value is last trailing edge found within sweep. See Note 1.

Channel Closing Transmission Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CCTT Type of Value	CCTT No. of Pulses found	CCTT Tx Time (ms)
5530.000000	0	first 200 ms	80	21.220
5530.000000	0	remaining 10.0 second(s) period	0	0.000

(continuation of the "Channel Closing Transmission Time Detailed Results" table from column 5 ...)

DUT Frequency (MHz)	CCTT Tx Time Limit (ms)	CCTT Result	CCTT Comment
5530.000000	200.000	PASS	See Note 1.
5530.000000	60.000	PASS	See Note 1.

Non-occupancy period Detailed Results

DUT Frequency (MHz)	Radar Type No.	NOP No. of Pulses found	NOP No. of Pulses Limit	NOP Tx Time (s)	NOP Tx Time Limit (s)	NOP Result
5530.000000	0	0	0	0	0.000	PASS

Transmitting Test Detailed Results

DUT Frequency (MHz)	Tx-Test Result	Tx-Test Comment
5530.000000	---	not performed / not finished

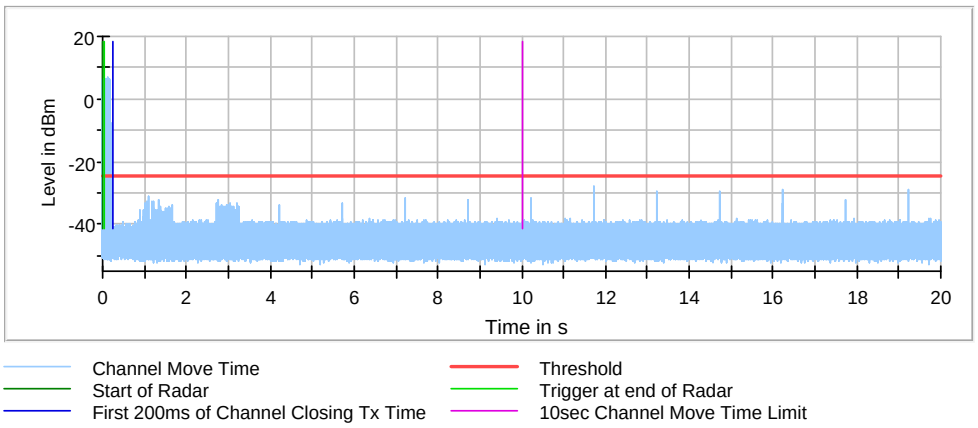
Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-64	dBm
Vector Generator level setting	-26.98	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.02	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-63.00	dBm

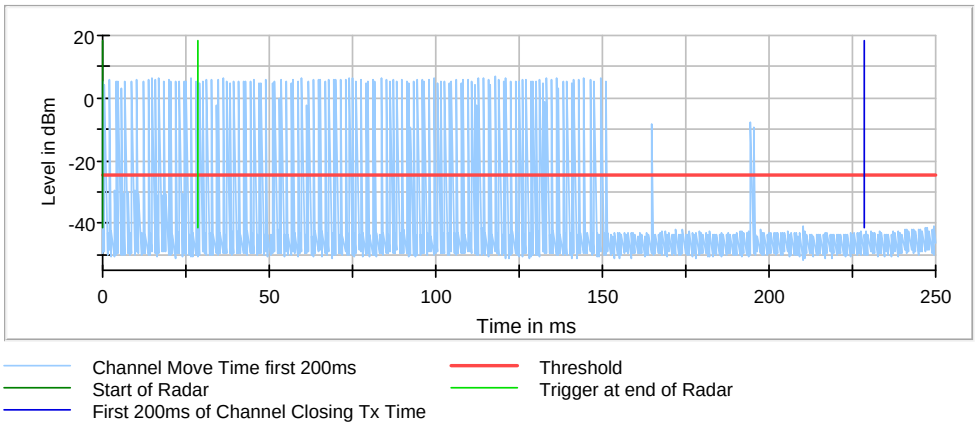
Additional Information

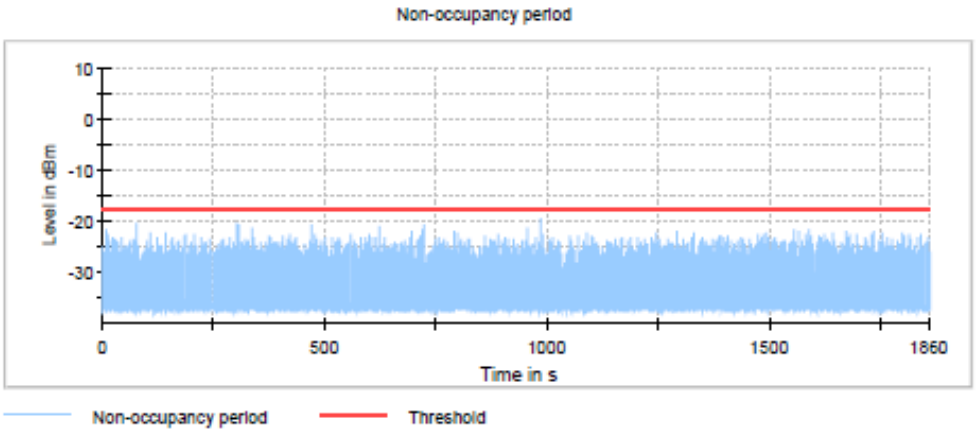
Note	Description
Note 1:	**Because of the radar pulse event at the beginning, the investigation of the trace begins with an offset of 28.7 ms conforming to the end of the Radar burst.**
Note 2:	**Channel move time (CMT) / channel closing transmission time (CCTT) measurement was made with hi resolution video sweep using OSP DAQ channel**
Note 3:	**Because of the substantially higher sampling rate of the video signal the results for CCTT and CMT are more accurate than in the graphics visible. Reached timing accuracy of the video trace: approx 4 µs**
Note 4:	**The Non-Occupancy Period trace starts at the end of the Channel move time trace (20.000 secs.) Labeling of the x-axis (time) is relative to its beginning (0 secs.)**

Channel Move Time

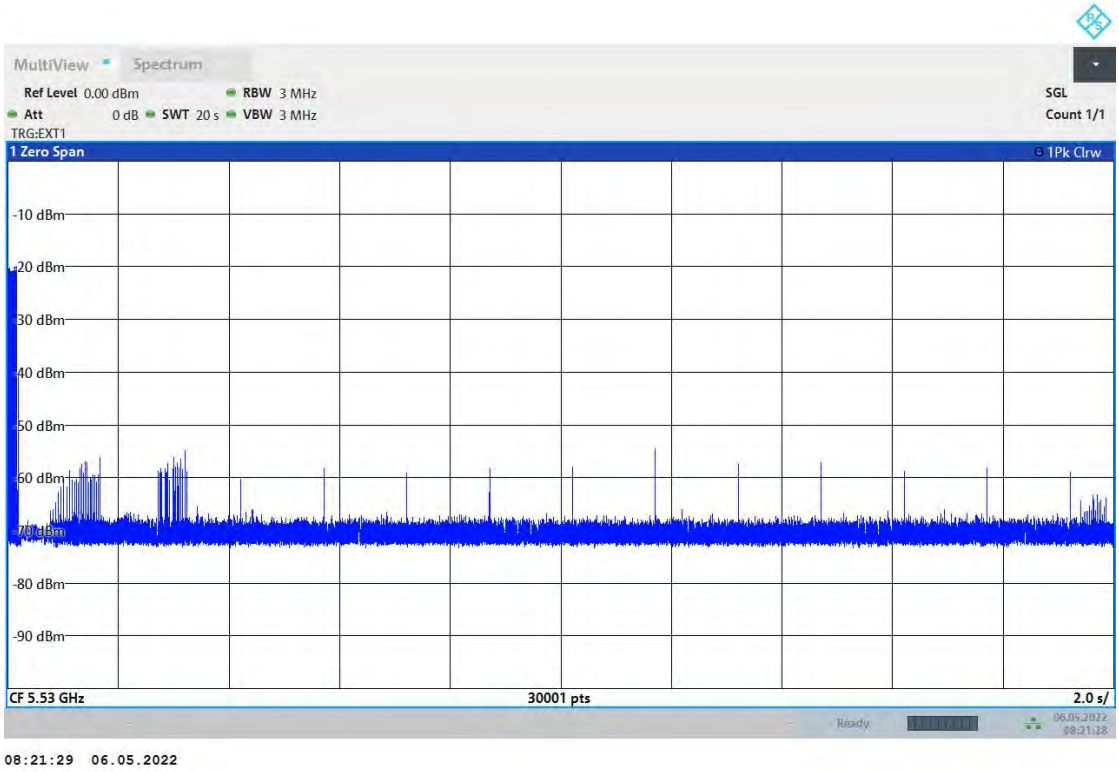


Channel Move Time first 200ms

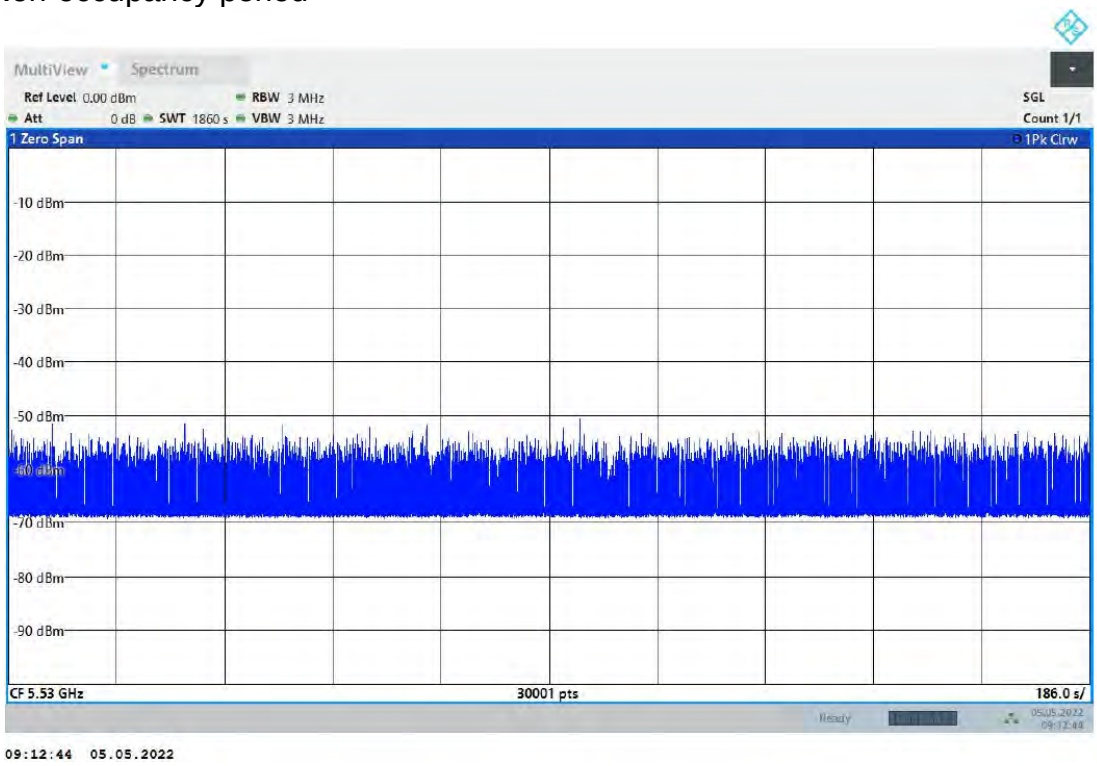




Channel Move Time



Non-occupancy period



Channel Move Time; Channel Closing Transmission Time

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	20.000 s	20.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

Non-occupancy period

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.860 ks	1.860 ks
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	20.000 s	20.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	50000000	50000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak

DFS U-NII Detection Bandwidth (5560 MHz; 20 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5560.000000	0	25.000000	17.715000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5540.000000	0 of 10	0 %	90%	FAIL	
5544.000000	0 of 10	0 %	90%	FAIL	
5545.000000	10 of 10	100 %	90%	PASS	Lower Limit
5550.000000	9 of 10	90 %	90%	PASS	
5555.000000	10 of 10	100 %	90%	PASS	
5560.000000	10 of 10	100 %	90%	PASS	
5565.000000	10 of 10	100 %	90%	PASS	
5570.000000	10 of 10	100 %	90%	PASS	Upper Limit
5571.000000	0 of 10	0 %	90%	FAIL	
5575.000000	0 of 10	0 %	90%	FAIL	

Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-62	dBm
Vector Generator level setting	-24.94	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.06	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-61.00	dBm

U-NII Detection Bandwidth Sweep

Setting	Instrument Value	Target Value
Center Frequency	5.56000 GHz	5.56000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	12.000 s	12.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	12.000 s	12.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	30000000	30000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak

DFS U-NII Detection Bandwidth (5550 MHz; 40 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5550.000000	0	40.000000	37.975000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5525.000000	0 of 10	0 %	90%	FAIL	
5529.000000	0 of 10	0 %	90%	FAIL	
5530.000000	10 of 10	100 %	90%	PASS	Lower Limit
5535.000000	10 of 10	100 %	90%	PASS	
5540.000000	10 of 10	100 %	90%	PASS	
5545.000000	10 of 10	100 %	90%	PASS	
5550.000000	10 of 10	100 %	90%	PASS	
5555.000000	10 of 10	100 %	90%	PASS	
5560.000000	10 of 10	100 %	90%	PASS	
5565.000000	10 of 10	100 %	90%	PASS	
5570.000000	10 of 10	100 %	90%	PASS	Upper Limit
5571.000000	0 of 10	0 %	90%	FAIL	
5575.000000	0 of 10	0 %	90%	FAIL	

Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-62	dBm
Vector Generator level setting	-24.94	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.06	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-61.00	dBm

U-NII Detection Bandwidth Sweep

Setting	Instrument Value	Target Value
Center Frequency	5.55000 GHz	5.55000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	12.000 s	12.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	12.000 s	12.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	30000000	30000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak

DFS U-NII Detection Bandwidth (5530 MHz; 80 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5530.000000	0	80.000000	78.253000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5485.000000	0 of 10	0 %%	90%	FAIL	
5489.000000	0 of 10	0 %	90%	FAIL	
5490.000000	10 of 10	100 %	90%	PASS	Lower Limit
5495.000000	10 of 10	100 %	90%	PASS	
5500.000000	10 of 10	100 %	90%	PASS	
5505.000000	10 of 10	100 %	90%	PASS	
5510.000000	10 of 10	100 %	90%	PASS	
5515.000000	9 of 10	90 %	90%	PASS	
5520.000000	10 of 10	100 %	90%	PASS	
5525.000000	10 of 10	100 %	90%	PASS	
5530.000000	10 of 10	100 %	90%	PASS	
5535.000000	10 of 10	100 %	90%	PASS	
5540.000000	10 of 10	100 %	90%	PASS	
5545.000000	10 of 10	100 %	90%	PASS	
5550.000000	10 of 10	100 %	90%	PASS	
5555.000000	10 of 10	100 %	90%	PASS	
5560.000000	10 of 10	100 %	90%	PASS	
5565.000000	10 of 10	100 %	90%	PASS	
5570.000000	10 of 10	100 %	90%	PASS	Upper Limit
5571.000000	0 of 10	0 %	90%	FAIL	
5575.000000	0 of 10	0 %	90%	FAIL	

Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-62	dBm
Vector Generator level setting	-24.98	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.02	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-61.00	dBm

U-NII Detection Bandwidth Sweep

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	12.000 s	12.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	12.000 s	12.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	30000000	30000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak

DFS Statistical Performance Check (5560 MHz; 20 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Detection count	Percentage of Detection Px	Detection Limit	Overall Result	Overall Comment
5560.000000	1	30 of 30	100.00%	60.0 %	PASS	
5560.000000	2	25 of 30	83.33%	60.0 %	PASS	
5560.000000	3	24 of 30	80.00%	60.0 %	PASS	
5560.000000	4	20 of 30	66.67%	60.0 %	PASS	
5560.000000	5	23 of 30	83.33%	80.0 %	PASS	
5560.000000	6	30 of 30	100.00%	70.0 %	PASS	

Aggregate Results for Short Pulse Radar Type 1-4

Aggregate Calculation as follows	Aggregate Percentage	Aggregate Limit	Aggregate Result	Aggregate Comment
(P1 + P2 + P3 + P4) / 4	82.50%	80.0 %	PASS	

Detailed Results for Radar Type 1

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	24	1.000	522.000	102	YES	
2	19	1.000	878.000	61	YES	
3	33	1.000	1400.000	38	YES	
4	44	1.000	2474.000	22	YES	
5	9	1.000	678.000	78	YES	
6	31	1.000	1205.000	44	YES	
7	14	1.000	778.000	68	YES	
8	13	1.000	758.000	70	YES	
9	30	1.000	1108.000	48	YES	
10	7	1.000	638.000	83	YES	
11	1	1.000	518.000	102	YES	
12	40	1.000	2084.000	26	YES	
13	32	1.000	1303.000	41	YES	
14	11	1.000	718.000	74	YES	
15	2	1.000	538.000	99	YES	
16	47	1.000	2767.000	20	YES	
17	43	1.000	2376.000	23	YES	
18	16	1.000	818.000	65	YES	
19	38	1.000	1888.000	28	YES	
20	28	1.000	912.000	58	YES	
21	42	1.000	2279.000	24	YES	
22	3	1.000	558.000	95	YES	
23	10	1.000	698.000	76	YES	
24	15	1.000	798.000	67	YES	
25	39	1.000	1986.000	27	YES	
26	41	1.000	2181.000	25	YES	
27	46	1.000	2669.000	20	YES	
28	8	1.000	658.000	81	YES	
29	34	1.000	1498.000	36	YES	
30	35	1.000	1596.000	34	YES	

Detailed Results for Radar Type 2

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	14	4.800	175.000	24	No	
2	8	2.600	175.000	26	YES	
3	32	3.700	222.000	26	YES	
4	20	1.200	185.000	25	YES	
5	7	1.400	185.000	27	YES	
6	12	3.100	182.000	28	YES	
7	40	3.600	230.000	27	YES	
8	21	3.600	193.000	28	YES	
9	37	3.400	191.000	24	No	
10	42	2.500	215.000	28	YES	
11	50	4.100	158.000	25	YES	
12	48	4.200	227.000	24	YES	
13	34	2.200	197.000	28	YES	
14	47	3.400	213.000	27	YES	
15	13	2.200	193.000	24	YES	
16	35	1.200	206.000	24	YES	
17	19	2.000	200.000	25	YES	
18	31	4.000	154.000	28	YES	
19	11	1.700	224.000	23	YES	
20	28	1.700	216.000	27	YES	
21	2	4.500	191.000	23	YES	
22	15	2.200	180.000	29	No	
23	3	5.000	192.000	23	YES	
24	1	3.400	168.000	25	YES	
25	18	2.000	153.000	24	YES	
26	46	3.000	191.000	28	No	
27	38	2.000	180.000	25	YES	
28	45	3.200	227.000	29	YES	
29	16	3.600	194.000	26	No	
30	33	2.100	228.000	28	YES	

Detailed Results for Radar Type 3

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	11	9.000	500.000	16	YES	
2	6	7.500	429.000	17	YES	
3	38	6.300	476.000	17	No	
4	40	7.400	271.000	17	No	
5	12	8.000	463.000	17	YES	
6	41	7.700	467.000	16	YES	
7	39	7.200	358.000	18	YES	
8	46	8.500	349.000	17	YES	
9	45	6.700	426.000	17	No	
10	4	8.300	462.000	17	YES	
11	29	9.900	446.000	17	YES	
12	1	8.000	494.000	18	YES	
13	36	9.800	494.000	17	YES	
14	8	7.000	358.000	17	YES	
15	21	8.100	204.000	17	No	
16	32	8.700	356.000	18	No	
17	35	7.300	200.000	18	YES	
18	37	7.500	217.000	17	YES	
19	33	9.000	430.000	18	YES	
20	15	8.100	436.000	17	YES	
21	49	6.500	288.000	18	YES	
22	47	9.800	250.000	17	YES	
23	30	8.400	309.000	17	YES	
24	23	9.700	256.000	16	No	
25	7	6.500	466.000	17	YES	
26	13	8.400	343.000	17	YES	
27	44	7.100	457.000	16	YES	
28	14	6.600	455.000	16	YES	
29	26	9.200	497.000	17	YES	
30	16	8.900	340.000	16	YES	

Detailed Results for Radar Type 4

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	9	13.300	254.000	14	YES	
2	26	18.900	299.000	16	No	
3	16	19.900	366.000	14	YES	
4	50	14.400	286.000	12	YES	
5	47	17.700	416.000	12	YES	
6	43	15.800	410.000	15	No	
7	5	14.100	478.000	15	YES	
8	18	15.600	420.000	15	YES	
9	33	19.500	384.000	13	YES	
10	32	12.600	293.000	15	No	
11	2	19.900	428.000	12	YES	
12	20	12.300	438.000	13	No	
13	22	17.800	420.000	13	No	
14	28	13.000	309.000	14	YES	
15	48	14.500	433.000	12	YES	
16	37	18.100	200.000	15	YES	
17	41	13.300	439.000	14	YES	
18	29	17.300	287.000	16	YES	
19	44	17.900	458.000	14	No	
20	35	12.600	268.000	13	YES	
21	40	13.600	237.000	15	No	
22	24	18.100	397.000	14	YES	
23	10	14.200	351.000	12	YES	
24	6	18.500	499.000	13	YES	
25	11	14.900	223.000	12	YES	
26	17	17.100	308.000	15	YES	
27	23	18.300	265.000	14	No	
28	1	15.900	410.000	13	YES	
29	12	16.000	461.000	13	No	
30	25	16.600	282.000	16	No	

Detailed Results for Radar Type 5

Trial Number	Random Trial used	Pulses Detected	Comment
1	9	YES	For detailed burst Data see separate table Type5_Trial1
2	32	YES	For detailed burst Data see separate table Type5_Trial2
3	18	YES	For detailed burst Data see separate table Type5_Trial3
4	15	YES	For detailed burst Data see separate table Type5_Trial4
5	35	No	For detailed burst Data see separate table Type5_Trial5
6	36	YES	For detailed burst Data see separate table Type5_Trial6
7	22	No	For detailed burst Data see separate table Type5_Trial7
8	17	YES	For detailed burst Data see separate table Type5_Trial8
9	26	YES	For detailed burst Data see separate table Type5_Trial9
10	4	YES	For detailed burst Data see separate table Type5_Trial10
11	21	No	For detailed burst Data see separate table Type5_Trial11
12	5	YES	For detailed burst Data see separate table Type5_Trial12
13	11	YES	For detailed burst Data see separate table Type5_Trial13
14	44	YES	For detailed burst Data see separate table Type5_Trial14
15	27	YES	For detailed burst Data see separate table Type5_Trial15
16	25	YES	For detailed burst Data see separate table Type5_Trial16
17	8	YES	For detailed burst Data see separate table Type5_Trial17
18	31	No	For detailed burst Data see separate table Type5_Trial18
19	6	YES	For detailed burst Data see separate table Type5_Trial19
20	19	YES	For detailed burst Data see separate table Type5_Trial20
21	37	YES	For detailed burst Data see separate table Type5_Trial21
22	23	YES	For detailed burst Data see separate table Type5_Trial22
23	10	YES	For detailed burst Data see separate table Type5_Trial23
24	40	YES	For detailed burst Data see separate table Type5_Trial24
25	29	No	For detailed burst Data see separate table Type5_Trial25
26	42	YES	For detailed burst Data see separate table Type5_Trial26
27	7	YES	For detailed burst Data see separate table Type5_Trial27
28	41	YES	For detailed burst Data see separate table Type5_Trial28
29	45	YES	For detailed burst Data see separate table Type5_Trial29
30	30	YES	For detailed burst Data see separate table Type5_Trial30

Detailed Results for Radar Type 5_Trial 1

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	70.500	17.000000	956.000	---	247.000
2	3	85.800	17.000000	1726.000	1051.000	659.000
3	2	67.600	17.000000	1910.000	---	383.000
4	2	97.900	17.000000	1794.000	---	123.000
5	3	55.000	17.000000	1798.000	1000.000	48.000
6	2	55.900	17.000000	1322.000	---	464.000
7	3	53.400	17.000000	1270.000	1431.000	347.000
8	2	88.300	17.000000	1417.000	---	544.000
9	2	95.600	17.000000	1228.000	---	453.000
10	2	70.400	17.000000	1039.000	---	291.000
11	2	53.000	17.000000	1860.000	---	689.000
12	1	80.600	17.000000	---	---	628.000
13	3	67.000	17.000000	1382.000	1724.000	487.000
14	2	67.300	17.000000	1895.000	---	682.000
15	2	63.100	17.000000	1171.000	---	343.000
16	2	79.400	17.000000	1369.000	---	186.000

Detailed Results for Radar Type 5_Trial 2

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	80.900	6.000000	---	---	565.000
2	3	55.800	6.000000	1708.000	1448.000	439.000
3	2	93.400	6.000000	985.000	---	706.000
4	2	83.200	6.000000	1912.000	---	758.000
5	3	59.100	6.000000	1594.000	1591.000	79.000
6	2	74.400	6.000000	939.000	---	107.000
7	3	85.400	6.000000	1733.000	1253.000	238.000
8	3	98.000	6.000000	1896.000	1606.000	373.000
9	1	92.100	6.000000	---	---	363.000
10	1	84.400	6.000000	---	---	227.000
11	2	67.400	6.000000	1272.000	---	646.000
12	3	92.000	6.000000	1831.000	1066.000	457.000
13	3	87.500	6.000000	1763.000	1055.000	22.000

Detailed Results for Radar Type 5_Trial 3

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	93.600	5.000000	---	---	12.000
2	3	75.700	5.000000	1082.000	1831.000	391.000
3	1	78.600	5.000000	---	---	945.000
4	3	97.800	5.000000	1410.000	1227.000	166.000
5	2	90.700	5.000000	1124.000	---	67.000
6	2	98.300	5.000000	1313.000	---	512.000
7	3	72.800	5.000000	1011.000	1020.000	645.000
8	3	73.700	5.000000	1726.000	1553.000	442.000
9	1	90.200	5.000000	---	---	22.000
10	1	62.700	5.000000	---	---	746.000
11	3	83.300	5.000000	1501.000	1874.000	837.000
12	3	80.000	5.000000	1591.000	1770.000	458.000

Detailed Results for Radar Type 5_Trial 4

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	50.800	18.000000	1595.000	---	21.000
2	2	52.000	18.000000	1563.000	---	729.000
3	2	58.800	18.000000	1384.000	---	15.000
4	2	79.700	18.000000	979.000	---	261.000
5	1	69.500	18.000000	---	---	533.000
6	2	98.900	18.000000	1015.000	---	493.000
7	2	82.800	18.000000	1634.000	---	218.000
8	1	70.100	18.000000	---	---	1102.000
9	2	89.200	18.000000	1357.000	---	524.000

Detailed Results for Radar Type 5_Trial 5

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	52.100	18.000000	1215.000	---	17.000
2	3	99.800	18.000000	1736.000	1673.000	148.000
3	2	53.200	18.000000	1233.000	---	12.000
4	1	87.200	18.000000	---	---	540.000
5	2	75.200	18.000000	975.000	---	618.000
6	3	63.600	18.000000	1614.000	1448.000	732.000
7	2	61.200	18.000000	1118.000	---	137.000
8	2	86.400	18.000000	1014.000	---	331.000
9	2	79.400	18.000000	1910.000	---	737.000
10	2	84.300	18.000000	1126.000	---	48.000
11	2	81.500	18.000000	1345.000	---	288.000
12	3	81.300	18.000000	1810.000	952.000	529.000
13	2	94.900	18.000000	1306.000	---	612.000
14	3	69.600	18.000000	1632.000	1730.000	692.000
15	3	73.300	18.000000	1015.000	1552.000	317.000
16	3	93.100	18.000000	1179.000	1533.000	7.000

Detailed Results for Radar Type 5_Trial 6

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	74.800	8.000000	1894.000	---	41.000
2	2	95.100	8.000000	1815.000	---	443.000
3	1	95.500	8.000000	---	---	663.000
4	2	87.500	8.000000	1259.000	---	156.000
5	3	86.300	8.000000	947.000	1761.000	185.000
6	1	90.900	8.000000	---	---	246.000
7	2	51.800	8.000000	1879.000	---	166.000
8	1	92.100	8.000000	---	---	203.000
9	3	83.800	8.000000	1477.000	1851.000	570.000
10	1	51.500	8.000000	---	---	48.000
11	1	60.400	8.000000	---	---	1.000
12	3	95.800	8.000000	934.000	1424.000	382.000
13	2	79.200	8.000000	1808.000	---	537.000
14	3	79.500	8.000000	1300.000	1192.000	323.000
15	1	83.200	8.000000	---	---	343.000
16	2	98.800	8.000000	1791.000	---	560.000
17	2	50.800	8.000000	1866.000	---	659.000

Detailed Results for Radar Type 5_Trial 7

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	66.600	20.000000	---	---	330.000
2	1	74.500	20.000000	---	---	248.000
3	2	68.200	20.000000	1149.000	---	80.000
4	2	70.100	20.000000	1849.000	---	536.000
5	3	65.800	20.000000	1316.000	1180.000	623.000
6	3	82.100	20.000000	1690.000	1661.000	503.000
7	2	95.900	20.000000	1840.000	---	687.000
8	1	51.100	20.000000	---	---	107.000
9	2	99.600	20.000000	1035.000	---	389.000
10	1	59.600	20.000000	---	---	424.000
11	3	96.000	20.000000	1733.000	1820.000	427.000
12	3	64.400	20.000000	1553.000	1679.000	204.000
13	2	82.800	20.000000	1451.000	---	69.000
14	2	86.800	20.000000	1508.000	---	573.000
15	2	76.300	20.000000	1738.000	---	361.000
16	2	83.800	20.000000	1152.000	---	683.000

Detailed Results for Radar Type 5_Trial 8

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	93.100	11.000000	---	---	422.000
2	3	61.300	11.000000	1194.000	1086.000	738.000
3	3	57.000	11.000000	1918.000	1102.000	523.000
4	3	91.800	11.000000	1588.000	1798.000	874.000
5	3	88.600	11.000000	1491.000	1061.000	748.000
6	3	62.400	11.000000	1019.000	1144.000	525.000
7	3	88.000	11.000000	1259.000	1713.000	641.000
8	2	77.700	11.000000	1025.000	---	383.000
9	1	51.800	11.000000	---	---	554.000
10	1	55.900	11.000000	---	---	939.000
11	3	63.700	11.000000	1503.000	1789.000	182.000

Detailed Results for Radar Type 5_Trial 9

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	56.900	7.000000	1444.000	967.000	453.000
2	3	59.600	7.000000	1787.000	1144.000	206.000
3	3	95.100	7.000000	1708.000	1109.000	579.000
4	1	90.100	7.000000	---	---	554.000
5	1	81.600	7.000000	---	---	140.000
6	2	78.100	7.000000	1096.000	---	407.000
7	1	99.000	7.000000	---	---	350.000
8	3	81.300	7.000000	1461.000	1547.000	552.000
9	2	54.900	7.000000	1737.000	---	501.000
10	2	54.200	7.000000	1388.000	---	121.000
11	2	86.200	7.000000	971.000	---	397.000
12	2	79.100	7.000000	1117.000	---	318.000
13	2	55.200	7.000000	1399.000	---	427.000
14	1	57.800	7.000000	---	---	441.000
15	2	56.500	7.000000	1323.000	---	397.000
16	1	57.200	7.000000	---	---	435.000
17	2	71.400	7.000000	989.000	---	500.000
18	2	75.000	7.000000	1489.000	---	16.000
19	1	94.000	7.000000	---	---	44.000
20	3	72.700	7.000000	1153.000	1688.000	262.000

Detailed Results for Radar Type 5_Trial 10

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	64.600	15.000000	---	---	373.000
2	2	95.900	15.000000	1430.000	---	66.000
3	2	54.800	15.000000	1287.000	---	696.000
4	2	63.800	15.000000	1654.000	---	597.000
5	2	55.100	15.000000	1400.000	---	517.000
6	2	92.900	15.000000	1849.000	---	259.000
7	3	56.500	15.000000	1000.000	1682.000	660.000
8	1	61.700	15.000000	---	---	591.000
9	1	58.100	15.000000	---	---	474.000
10	2	95.400	15.000000	1214.000	---	1077.000
11	2	96.700	15.000000	1667.000	---	917.000

Detailed Results for Radar Type 5_Trial 11

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	66.400	15.000000	1599.000	1875.000	190.000
2	1	73.600	15.000000	---	---	165.000
3	2	55.200	15.000000	1726.000	---	332.000
4	2	62.700	15.000000	1752.000	---	117.000
5	3	50.600	15.000000	1523.000	1052.000	572.000
6	2	57.800	15.000000	944.000	---	746.000
7	3	98.000	15.000000	1343.000	1215.000	147.000
8	2	82.800	15.000000	1182.000	---	30.000
9	2	62.900	15.000000	1549.000	---	395.000
10	2	50.700	15.000000	1196.000	---	333.000
11	3	69.200	15.000000	1106.000	1036.000	388.000
12	3	60.900	15.000000	1175.000	1183.000	612.000
13	2	78.500	15.000000	1908.000	---	125.000
14	2	67.800	15.000000	1667.000	---	502.000
15	2	58.000	15.000000	1869.000	---	224.000

Detailed Results for Radar Type 5_Trial 12

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	58.200	10.000000	1320.000	---	122.000
2	2	66.300	10.000000	1849.000	---	244.000
3	3	62.100	10.000000	1589.000	1390.000	229.000
4	2	74.300	10.000000	1184.000	---	976.000
5	1	58.600	10.000000	---	---	730.000
6	3	82.600	10.000000	1633.000	1513.000	669.000
7	1	73.100	10.000000	---	---	735.000
8	1	90.900	10.000000	---	---	645.000
9	3	66.300	10.000000	1563.000	1348.000	380.000
10	2	54.800	10.000000	1384.000	---	556.000
11	3	65.600	10.000000	1218.000	937.000	801.000
12	3	74.500	10.000000	958.000	1010.000	493.000

Detailed Results for Radar Type 5_Trial 13

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	61.700	11.000000	1264.000	1572.000	640.000
2	3	82.600	11.000000	923.000	1387.000	439.000
3	2	74.800	11.000000	1230.000	---	16.000
4	2	77.700	11.000000	1544.000	---	613.000
5	1	80.400	11.000000	---	---	213.000
6	3	88.700	11.000000	1316.000	1461.000	568.000
7	3	78.100	11.000000	1065.000	1167.000	387.000
8	2	56.600	11.000000	1454.000	---	647.000
9	1	63.600	11.000000	---	---	285.000
10	2	73.100	11.000000	1369.000	---	189.000
11	2	67.900	11.000000	994.000	---	165.000
12	2	76.500	11.000000	1164.000	---	480.000
13	1	63.700	11.000000	---	---	28.000
14	2	70.100	11.000000	1823.000	---	516.000
15	2	90.400	11.000000	1694.000	---	561.000
16	2	87.700	11.000000	1528.000	---	420.000
17	3	77.700	11.000000	1339.000	1407.000	61.000
18	1	81.300	11.000000	---	---	67.000

Detailed Results for Radar Type 5_Trial 14

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	75.600	14.000000	1717.000	1819.000	814.000
2	2	87.500	14.000000	1850.000	---	108.000
3	1	69.100	14.000000	---	---	310.000
4	2	55.800	14.000000	972.000	---	0.000
5	1	90.600	14.000000	---	---	277.000
6	2	87.800	14.000000	1808.000	---	20.000
7	1	74.000	14.000000	---	---	35.000
8	3	94.800	14.000000	1120.000	938.000	554.000
9	2	57.200	14.000000	1619.000	---	141.000
10	1	56.000	14.000000	---	---	595.000
11	2	99.500	14.000000	1143.000	---	262.000
12	2	66.500	14.000000	1675.000	---	557.000

Detailed Results for Radar Type 5_Trial 15

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	55.900	14.000000	1883.000	---	1025.000
2	2	64.100	14.000000	1710.000	---	849.000
3	2	77.200	14.000000	1650.000	---	136.000
4	2	96.600	14.000000	1520.000	---	468.000
5	2	98.000	14.000000	923.000	---	376.000
6	2	66.700	14.000000	1462.000	---	705.000
7	3	66.400	14.000000	1003.000	1192.000	1416.000
8	2	57.000	14.000000	1038.000	---	240.000

Detailed Results for Radar Type 5_Trial 16

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	97.100	19.000000	1539.000	---	378.000
2	2	62.500	19.000000	1931.000	---	586.000
3	3	85.200	19.000000	1860.000	942.000	473.000
4	2	57.800	19.000000	1401.000	---	394.000
5	1	72.100	19.000000	---	---	254.000
6	1	92.700	19.000000	---	---	242.000
7	2	56.200	19.000000	1405.000	---	411.000
8	3	54.300	19.000000	1382.000	1712.000	591.000
9	3	88.200	19.000000	1026.000	1680.000	17.000
10	3	68.200	19.000000	1051.000	1804.000	269.000
11	2	91.600	19.000000	1080.000	---	315.000
12	2	94.700	19.000000	1056.000	---	501.000
13	2	60.900	19.000000	1566.000	---	227.000
14	2	57.700	19.000000	1345.000	---	332.000
15	2	80.500	19.000000	1002.000	---	131.000
16	1	78.700	19.000000	---	---	51.000
17	2	95.800	19.000000	1851.000	---	346.000
18	3	74.500	19.000000	1430.000	1097.000	108.000
19	3	65.700	19.000000	1155.000	1430.000	508.000

Detailed Results for Radar Type 5_Trial 17

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	93.000	5.000000	1554.000	1785.000	287.000
2	1	83.900	5.000000	---	---	719.000
3	1	58.600	5.000000	---	---	22.000
4	2	51.600	5.000000	1301.000	---	508.000
5	2	86.000	5.000000	971.000	---	394.000
6	2	52.400	5.000000	1014.000	---	126.000
7	2	81.600	5.000000	1650.000	---	756.000
8	2	73.500	5.000000	1428.000	---	653.000
9	1	58.900	5.000000	---	---	761.000
10	1	93.500	5.000000	---	---	118.000
11	2	90.600	5.000000	1774.000	---	108.000
12	2	58.400	5.000000	1448.000	---	740.000
13	2	89.100	5.000000	1406.000	---	689.000
14	2	73.900	5.000000	1071.000	---	160.000
15	1	61.700	5.000000	---	---	172.000

Detailed Results for Radar Type 5_Trial 18

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	78.100	10.000000	1102.000	---	160.000
2	2	51.400	10.000000	957.000	---	633.000
3	3	85.200	10.000000	1076.000	1386.000	363.000
4	1	96.300	10.000000	---	---	992.000
5	1	67.200	10.000000	---	---	751.000
6	3	68.900	10.000000	1284.000	1725.000	149.000
7	2	75.900	10.000000	958.000	---	690.000
8	2	87.000	10.000000	1715.000	---	512.000
9	1	88.500	10.000000	---	---	611.000
10	3	61.000	10.000000	1333.000	1179.000	361.000
11	1	57.000	10.000000	---	---	214.000
12	2	55.900	10.000000	1656.000	---	643.000

Detailed Results for Radar Type 5_Trial 19

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	85.200	14.000000	---	---	99.000
2	3	59.000	14.000000	1887.000	1086.000	687.000
3	1	51.000	14.000000	---	---	381.000
4	2	84.800	14.000000	1906.000	---	520.000
5	3	83.200	14.000000	1466.000	1170.000	910.000
6	3	92.300	14.000000	977.000	1255.000	1.000
7	2	59.400	14.000000	1674.000	---	732.000
8	2	90.700	14.000000	1058.000	---	642.000
9	3	93.100	14.000000	961.000	934.000	359.000
10	3	74.900	14.000000	1673.000	1639.000	602.000
11	2	90.800	14.000000	1227.000	---	430.000
12	3	58.500	14.000000	1625.000	1374.000	10.000
13	1	57.700	14.000000	---	---	804.000

Detailed Results for Radar Type 5_Trial 20

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	80.100	9.000000	---	---	183.000
2	2	59.600	9.000000	946.000	---	473.000
3	2	89.000	9.000000	1573.000	---	426.000
4	2	68.300	9.000000	1801.000	---	366.000
5	1	89.400	9.000000	---	---	250.000
6	2	64.000	9.000000	958.000	---	447.000
7	2	82.200	9.000000	1272.000	---	585.000
8	2	67.300	9.000000	1688.000	---	134.000
9	2	52.500	9.000000	1696.000	---	264.000
10	2	84.100	9.000000	1133.000	---	335.000
11	2	53.000	9.000000	1374.000	---	890.000
12	2	62.000	9.000000	1636.000	---	526.000
13	3	96.100	9.000000	1660.000	1103.000	493.000

Detailed Results for Radar Type 5_Trial 21

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	84.500	5.000000	---	---	77.000
2	2	85.100	5.000000	1049.000	---	561.000
3	2	77.500	5.000000	1012.000	---	322.000
4	2	95.300	5.000000	1524.000	---	591.000
5	2	69.000	5.000000	1447.000	---	479.000
6	2	65.200	5.000000	1574.000	---	177.000
7	3	77.400	5.000000	1446.000	1628.000	4.000
8	2	58.000	5.000000	1737.000	---	631.000
9	3	58.500	5.000000	1714.000	1626.000	330.000
10	1	98.600	5.000000	---	---	508.000
11	1	73.900	5.000000	---	---	27.000
12	1	67.700	5.000000	---	---	157.000
13	1	99.000	5.000000	---	---	313.000
14	2	76.800	5.000000	1232.000	---	429.000
15	2	89.900	5.000000	1618.000	---	574.000
16	3	88.000	5.000000	1587.000	1221.000	326.000
17	1	55.100	5.000000	---	---	550.000
18	3	93.900	5.000000	930.000	1084.000	275.000

Detailed Results for Radar Type 5_Trial 22

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	51.000	9.000000	1731.000	---	259.000
2	2	69.300	9.000000	1762.000	---	617.000
3	1	94.600	9.000000	---	---	379.000
4	2	65.100	9.000000	1536.000	---	103.000
5	3	51.100	9.000000	1546.000	1400.000	650.000
6	2	86.100	9.000000	1619.000	---	221.000
7	1	80.000	9.000000	---	---	44.000
8	1	60.800	9.000000	---	---	384.000
9	3	56.200	9.000000	1627.000	1397.000	126.000
10	1	99.700	9.000000	---	---	20.000
11	1	84.000	9.000000	---	---	411.000
12	3	83.100	9.000000	1223.000	1586.000	232.000
13	1	50.900	9.000000	---	---	179.000
14	1	53.200	9.000000	---	---	48.000
15	2	71.800	9.000000	1079.000	---	692.000
16	2	66.300	9.000000	1893.000	---	503.000
17	2	51.200	9.000000	1362.000	---	455.000

Detailed Results for Radar Type 5_Trial 23

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	64.900	8.000000	1505.000	942.000	403.000
2	2	74.300	8.000000	1789.000	---	177.000
3	3	70.800	8.000000	1084.000	1077.000	477.000
4	2	89.800	8.000000	1727.000	---	39.000
5	2	93.800	8.000000	1220.000	---	581.000
6	3	71.300	8.000000	1699.000	1079.000	519.000
7	2	73.200	8.000000	1306.000	---	9.000
8	2	78.200	8.000000	1010.000	---	72.000
9	3	65.600	8.000000	1443.000	1201.000	152.000
10	2	80.300	8.000000	1521.000	---	187.000
11	1	53.000	8.000000	---	---	669.000
12	2	97.600	8.000000	1808.000	---	558.000
13	2	69.000	8.000000	1583.000	---	502.000
14	3	98.300	8.000000	1282.000	1548.000	356.000
15	3	58.000	8.000000	1058.000	1448.000	179.000
16	2	53.300	8.000000	993.000	---	253.000
17	2	78.600	8.000000	1265.000	---	413.000

Detailed Results for Radar Type 5_Trial 24

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	57.400	6.000000	963.000	---	180.000
2	2	93.600	6.000000	1584.000	---	459.000
3	2	80.100	6.000000	1493.000	---	435.000
4	1	64.100	6.000000	---	---	1256.000
5	2	67.700	6.000000	1215.000	---	734.000
6	1	96.500	6.000000	---	---	1281.000
7	2	81.500	6.000000	974.000	---	1432.000
8	2	66.800	6.000000	1558.000	---	92.000

Detailed Results for Radar Type 5_Trial 25

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	77.400	20.000000	1666.000	---	613.000
2	3	99.600	20.000000	1128.000	1195.000	1083.000
3	3	95.100	20.000000	1506.000	1563.000	362.000
4	1	84.300	20.000000	---	---	319.000
5	3	88.900	20.000000	1568.000	1152.000	604.000
6	2	69.200	20.000000	995.000	---	451.000
7	2	81.400	20.000000	1689.000	---	791.000
8	2	88.500	20.000000	1286.000	---	359.000
9	3	70.600	20.000000	1189.000	1825.000	241.000
10	3	56.000	20.000000	1217.000	1783.000	317.000

Detailed Results for Radar Type 5_Trial 26

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	68.400	12.000000	1658.000	1189.000	811.000
2	3	79.800	12.000000	1645.000	1732.000	1059.000
3	1	86.100	12.000000	---	---	970.000
4	1	83.200	12.000000	---	---	765.000
5	1	97.500	12.000000	---	---	1117.000
6	2	51.300	12.000000	1708.000	---	559.000
7	3	77.900	12.000000	1276.000	1521.000	253.000
8	3	80.800	12.000000	1804.000	959.000	563.000
9	2	82.100	12.000000	1443.000	---	169.000
10	3	65.000	12.000000	1848.000	1035.000	156.000

Detailed Results for Radar Type 5_Trial 27

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	76.300	6.000000	1673.000	1870.000	757.000
2	1	85.600	6.000000	---	---	712.000
3	2	87.400	6.000000	1495.000	---	427.000
4	2	67.800	6.000000	1430.000	---	153.000
5	1	80.900	6.000000	---	---	197.000
6	1	80.300	6.000000	---	---	160.000
7	3	86.500	6.000000	1329.000	1212.000	509.000
8	1	96.300	6.000000	---	---	828.000
9	1	80.800	6.000000	---	---	306.000
10	2	74.900	6.000000	1636.000	---	609.000
11	3	60.400	6.000000	1278.000	1394.000	269.000
12	3	57.300	6.000000	1719.000	999.000	826.000
13	2	64.800	6.000000	1378.000	---	41.000
14	2	66.600	6.000000	933.000	---	631.000

Detailed Results for Radar Type 5_Trial 28

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	69.200	20.000000	1589.000	---	608.000
2	2	96.300	20.000000	1096.000	---	1107.000
3	2	65.100	20.000000	973.000	---	1251.000
4	3	82.700	20.000000	1229.000	1116.000	442.000
5	1	86.700	20.000000	---	---	528.000
6	1	50.500	20.000000	---	---	261.000
7	2	74.700	20.000000	1296.000	---	317.000
8	1	58.000	20.000000	---	---	131.000
9	3	82.600	20.000000	1463.000	985.000	1132.000

Detailed Results for Radar Type 5_Trial 29

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	52.400	9.000000	974.000	---	609.000
2	2	55.800	9.000000	1319.000	---	738.000
3	2	58.000	9.000000	1056.000	---	899.000
4	2	50.700	9.000000	975.000	---	575.000
5	1	54.600	9.000000	---	---	73.000
6	2	82.900	9.000000	1205.000	---	107.000
7	2	51.100	9.000000	991.000	---	451.000
8	2	94.700	9.000000	1862.000	---	331.000
9	2	65.500	9.000000	1034.000	---	871.000
10	2	62.000	9.000000	1226.000	---	12.000
11	3	65.600	9.000000	1015.000	1040.000	157.000
12	2	54.800	9.000000	1350.000	---	641.000
13	2	68.900	9.000000	1496.000	---	791.000

Detailed Results for Radar Type 5_Trial 30

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	77.900	16.000000	1250.000	---	478.000
2	2	69.500	16.000000	1007.000	---	962.000
3	2	74.500	16.000000	1631.000	---	657.000
4	1	93.900	16.000000	---	---	564.000
5	2	55.400	16.000000	949.000	---	59.000
6	3	50.400	16.000000	1162.000	1396.000	565.000
7	1	68.600	16.000000	---	---	732.000
8	3	88.700	16.000000	1750.000	1835.000	872.000
9	2	54.900	16.000000	1869.000	---	32.000
10	3	51.000	16.000000	970.000	1344.000	750.000
11	3	86.500	16.000000	1599.000	1682.000	364.000

Detailed Results for Radar Type 6

Trial Number	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	1.000	300.000	9	YES	
2	1.000	300.000	9	YES	
3	1.000	300.000	9	YES	
4	1.000	300.000	9	YES	
5	1.000	300.000	9	YES	
6	1.000	300.000	9	YES	
7	1.000	300.000	9	YES	
8	1.000	300.000	9	YES	
9	1.000	300.000	9	YES	
10	1.000	300.000	9	YES	
11	1.000	300.000	9	YES	
12	1.000	300.000	9	YES	
13	1.000	300.000	9	YES	
14	1.000	300.000	9	YES	
15	1.000	300.000	9	YES	
16	1.000	300.000	9	YES	
17	1.000	300.000	9	YES	
18	1.000	300.000	9	YES	
19	1.000	300.000	9	YES	
20	1.000	300.000	9	YES	
21	1.000	300.000	9	YES	
22	1.000	300.000	9	YES	
23	1.000	300.000	9	YES	
24	1.000	300.000	9	YES	
25	1.000	300.000	9	YES	
26	1.000	300.000	9	YES	
27	1.000	300.000	9	YES	
28	1.000	300.000	9	YES	
29	1.000	300.000	9	YES	
30	1.000	300.000	9	YES	

Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-64	dBm
Vector Generator level setting	-26.94	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.06	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-63.00	dBm

Settings for Radar Type 1 to 4

Setting	Instrument Value	Target Value
Center Frequency	5.56000 GHz	5.56000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	12.000 s	12.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	1.000 s	1.000 s

Settings for Long Pulse Radar Type 5 (Simulated)

Setting	Instrument Value	Target Value
Center Frequency	0.00000 Hz	0.00000 Hz
Span	0.000 Hz	0.000 Hz
RBW	0.000 Hz	~ 0.000 Hz
VBW	0.000 Hz	~ 0.000 Hz
SweepPoints	0	~ 0
Sweeptime	0.000 s	0.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	RMS	RMS
SweepCount	0	0
Filter	3 dB	3 dB
Trace Mode		~
Sweeptype	AUTO	AUTO
Preamp	off	off

Settings for Freq. Hopping Radar Type 6 (Simulated)

Setting	Instrument Value	Target Value
Center Frequency	0.00000 Hz	0.00000 Hz
Span	0.000 Hz	0.000 Hz
RBW	0.000 Hz	~ 0.000 Hz
VBW	0.000 Hz	~ 0.000 Hz
SweepPoints	0	~ 0
Sweeptime	0.000 s	0.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	RMS	RMS
SweepCount	0	0
Filter	3 dB	3 dB
Trace Mode		~
Sweeptype	AUTO	AUTO
Preamp	off	off

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	12.000 s	12.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	30000000	30000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak

DFS Statistical Performance Check (5550 MHz; 40 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Detection count	Percentage of Detection Px	Detection Limit	Overall Result	Overall Comment
5550.000000	1	28 of 30	93.33%	60.0 %	PASS	
5550.000000	2	30 of 30	100.00%	60.0 %	PASS	
5550.000000	3	30 of 30	100.00%	60.0 %	PASS	
5550.000000	4	29 of 30	96.67%	60.0 %	PASS	
5550.000000	5	25 of 30	83.33%	80.0 %	PASS	
5550.000000	6	30 of 30	100.00%	70.0 %	PASS	

Aggregate Results for Short Pulse Radar Type 1-4

Aggregate Calculation as follows	Aggregate Percentage	Aggregate Limit	Aggregate Result	Aggregate Comment
(P1 + P2 + P3 + P4) / 4	97.50%	80.0 %	PASS	

Detailed Results for Radar Type 1

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	16	1.000	818.000	65	YES	
2	47	1.000	2767.000	20	YES	
3	48	1.000	2864.000	19	YES	
4	45	1.000	2572.000	21	YES	
5	44	1.000	2474.000	22	YES	
6	35	1.000	1596.000	34	YES	
7	37	1.000	1791.000	30	YES	
8	2	1.000	538.000	99	YES	
9	40	1.000	2084.000	26	YES	
10	28	1.000	912.000	58	YES	
11	8	1.000	658.000	81	YES	
12	1	1.000	518.000	102	No	
13	18	1.000	858.000	62	YES	
14	31	1.000	1205.000	44	YES	
15	10	1.000	698.000	76	YES	
16	42	1.000	2279.000	24	YES	
17	21	1.000	918.000	58	YES	
18	46	1.000	2669.000	20	YES	
19	50	1.000	3060.000	18	YES	
20	9	1.000	678.000	78	YES	
21	4	1.000	578.000	92	YES	
22	49	1.000	2962.000	18	No	
23	26	1.000	717.000	74	YES	
24	11	1.000	718.000	74	YES	
25	43	1.000	2376.000	23	YES	
26	23	1.000	3066.000	18	YES	
27	41	1.000	2181.000	25	YES	
28	17	1.000	838.000	63	YES	
29	25	1.000	620.000	86	YES	
30	24	1.000	522.000	102	YES	

Detailed Results for Radar Type 2

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	45	3.200	227.000	29	YES	
2	18	2.000	153.000	24	YES	
3	31	4.000	154.000	28	YES	
4	12	3.100	182.000	28	YES	
5	50	4.100	158.000	25	YES	
6	39	4.900	163.000	23	YES	
7	16	3.600	194.000	26	YES	
8	38	2.000	180.000	25	YES	
9	48	4.200	227.000	24	YES	
10	34	2.200	197.000	28	YES	
11	33	2.100	228.000	28	YES	
12	19	2.000	200.000	25	YES	
13	10	1.200	175.000	26	YES	
14	43	4.100	153.000	24	YES	
15	44	3.500	167.000	29	YES	
16	36	3.200	200.000	28	YES	
17	26	3.700	217.000	28	YES	
18	6	3.700	161.000	26	YES	
19	46	3.000	191.000	28	YES	
20	42	2.500	215.000	28	YES	
21	40	3.600	230.000	27	YES	
22	22	2.400	209.000	26	YES	
23	15	2.200	180.000	29	YES	
24	37	3.400	191.000	24	YES	
25	27	2.700	199.000	29	YES	
26	2	4.500	191.000	23	YES	
27	7	1.400	185.000	27	YES	
28	9	3.900	212.000	27	YES	
29	17	4.500	213.000	23	YES	
30	47	3.400	213.000	27	YES	

Detailed Results for Radar Type 3

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	15	8.100	436.000	17	YES	
2	26	9.200	497.000	17	YES	
3	13	8.400	343.000	17	YES	
4	32	8.700	356.000	18	YES	
5	41	7.700	467.000	16	YES	
6	21	8.100	204.000	17	YES	
7	5	8.200	464.000	18	YES	
8	40	7.400	271.000	17	YES	
9	29	9.900	446.000	17	YES	
10	47	9.800	250.000	17	YES	
11	42	8.600	493.000	17	YES	
12	17	8.700	413.000	17	YES	
13	20	8.200	272.000	18	YES	
14	37	7.500	217.000	17	YES	
15	12	8.000	463.000	17	YES	
16	10	9.800	206.000	17	YES	
17	3	9.500	297.000	16	YES	
18	18	6.200	263.000	18	YES	
19	16	8.900	340.000	16	YES	
20	44	7.100	457.000	16	YES	
21	31	8.800	487.000	17	YES	
22	25	9.600	458.000	17	YES	
23	27	6.600	301.000	17	YES	
24	9	6.300	454.000	17	YES	
25	33	9.000	430.000	18	YES	
26	8	7.000	358.000	17	YES	
27	39	7.200	358.000	18	YES	
28	6	7.500	429.000	17	YES	
29	35	7.300	200.000	18	YES	
30	34	6.400	477.000	17	YES	

Detailed Results for Radar Type 4

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	49	11.100	396.000	13	YES	
2	45	16.700	419.000	16	YES	
3	8	14.100	283.000	15	YES	
4	43	15.800	410.000	15	YES	
5	20	12.300	438.000	13	YES	
6	9	13.300	254.000	14	YES	
7	16	19.900	366.000	14	YES	
8	48	14.500	433.000	12	YES	
9	17	17.100	308.000	15	YES	
10	19	15.700	403.000	16	YES	
11	28	13.000	309.000	14	YES	
12	47	17.700	416.000	12	YES	
13	35	12.600	268.000	13	YES	
14	12	16.000	461.000	13	YES	
15	1	15.900	410.000	13	YES	
16	24	18.100	397.000	14	YES	
17	6	18.500	499.000	13	YES	
18	31	14.400	266.000	14	YES	
19	27	15.600	303.000	13	YES	
20	25	16.600	282.000	16	YES	
21	30	11.800	384.000	14	YES	
22	50	14.400	286.000	12	No	
23	21	11.700	483.000	16	YES	
24	40	13.600	237.000	15	YES	
25	23	18.300	265.000	14	YES	
26	44	17.900	458.000	14	YES	
27	3	13.600	398.000	15	YES	
28	37	18.100	200.000	15	YES	
29	39	12.400	217.000	14	YES	
30	46	15.300	488.000	14	YES	

Detailed Results for Radar Type 5

Trial Number	Random Trial used	Pulses Detected	Comment
1	1	No	For detailed burst Data see separate table Type5_Trial1
2	23	No	For detailed burst Data see separate table Type5_Trial2
3	42	YES	For detailed burst Data see separate table Type5_Trial3
4	48	YES	For detailed burst Data see separate table Type5_Trial4
5	9	YES	For detailed burst Data see separate table Type5_Trial5
6	38	YES	For detailed burst Data see separate table Type5_Trial6
7	46	YES	For detailed burst Data see separate table Type5_Trial7
8	7	YES	For detailed burst Data see separate table Type5_Trial8
9	12	YES	For detailed burst Data see separate table Type5_Trial9
10	40	YES	For detailed burst Data see separate table Type5_Trial10
11	17	YES	For detailed burst Data see separate table Type5_Trial11
12	11	YES	For detailed burst Data see separate table Type5_Trial12
13	44	YES	For detailed burst Data see separate table Type5_Trial13
14	22	YES	For detailed burst Data see separate table Type5_Trial14
15	24	YES	For detailed burst Data see separate table Type5_Trial15
16	37	YES	For detailed burst Data see separate table Type5_Trial16
17	19	YES	For detailed burst Data see separate table Type5_Trial17
18	27	No	For detailed burst Data see separate table Type5_Trial18
19	18	YES	For detailed burst Data see separate table Type5_Trial19
20	33	YES	For detailed burst Data see separate table Type5_Trial20
21	32	YES	For detailed burst Data see separate table Type5_Trial21
22	25	YES	For detailed burst Data see separate table Type5_Trial22
23	21	YES	For detailed burst Data see separate table Type5_Trial23
24	50	YES	For detailed burst Data see separate table Type5_Trial24
25	36	YES	For detailed burst Data see separate table Type5_Trial25
26	43	YES	For detailed burst Data see separate table Type5_Trial26
27	29	No	For detailed burst Data see separate table Type5_Trial27
28	8	No	For detailed burst Data see separate table Type5_Trial28
29	3	YES	For detailed burst Data see separate table Type5_Trial29
30	13	YES	For detailed burst Data see separate table Type5_Trial30

Detailed Results for Radar Type 5_Trial 1

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	97.300	12.000000	1764.000	1049.000	85.000
2	1	83.400	12.000000	---	---	882.000
3	1	94.700	12.000000	---	---	903.000
4	2	60.100	12.000000	1023.000	---	878.000
5	2	54.600	12.000000	1385.000	---	1271.000
6	3	88.100	12.000000	1088.000	1048.000	932.000
7	3	90.200	12.000000	1799.000	1142.000	226.000
8	3	63.400	12.000000	1149.000	971.000	1426.000

Detailed Results for Radar Type 5_Trial 2

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	51.000	9.000000	1731.000	---	259.000
2	2	69.300	9.000000	1762.000	---	617.000
3	1	94.600	9.000000	---	---	379.000
4	2	65.100	9.000000	1536.000	---	103.000
5	3	51.100	9.000000	1546.000	1400.000	650.000
6	2	86.100	9.000000	1619.000	---	221.000
7	1	80.000	9.000000	---	---	44.000
8	1	60.800	9.000000	---	---	384.000
9	3	56.200	9.000000	1627.000	1397.000	126.000
10	1	99.700	9.000000	---	---	20.000
11	1	84.000	9.000000	---	---	411.000
12	3	83.100	9.000000	1223.000	1586.000	232.000
13	1	50.900	9.000000	---	---	179.000
14	1	53.200	9.000000	---	---	48.000
15	2	71.800	9.000000	1079.000	---	692.000
16	2	66.300	9.000000	1893.000	---	503.000
17	2	51.200	9.000000	1362.000	---	455.000

Detailed Results for Radar Type 5_Trial 3

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	68.400	12.000000	1658.000	1189.000	811.000
2	3	79.800	12.000000	1645.000	1732.000	1059.000
3	1	86.100	12.000000	---	---	970.000
4	1	83.200	12.000000	---	---	765.000
5	1	97.500	12.000000	---	---	1117.000
6	2	51.300	12.000000	1708.000	---	559.000
7	3	77.900	12.000000	1276.000	1521.000	253.000
8	3	80.800	12.000000	1804.000	959.000	563.000
9	2	82.100	12.000000	1443.000	---	169.000
10	3	65.000	12.000000	1848.000	1035.000	156.000

Detailed Results for Radar Type 5_Trial 4

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	97.900	7.000000	1124.000	---	368.000
2	2	94.200	7.000000	1097.000	---	363.000
3	2	95.600	7.000000	1706.000	---	338.000
4	3	60.700	7.000000	1726.000	1788.000	628.000
5	2	79.600	7.000000	921.000	---	352.000
6	2	55.700	7.000000	1463.000	---	71.000
7	2	92.300	7.000000	1486.000	---	208.000
8	3	59.600	7.000000	1550.000	1830.000	605.000
9	2	95.900	7.000000	1529.000	---	727.000
10	2	87.500	7.000000	1521.000	---	637.000
11	3	81.100	7.000000	961.000	1815.000	593.000
12	3	93.000	7.000000	1246.000	1717.000	400.000
13	3	62.500	7.000000	1219.000	1563.000	742.000
14	1	70.400	7.000000	---	---	627.000
15	2	63.400	7.000000	1345.000	---	439.000
16	1	78.000	7.000000	---	---	663.000

Detailed Results for Radar Type 5_Trial 5

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	70.500	17.000000	956.000	---	247.000
2	3	85.800	17.000000	1726.000	1051.000	659.000
3	2	67.600	17.000000	1910.000	---	383.000
4	2	97.900	17.000000	1794.000	---	123.000
5	3	55.000	17.000000	1798.000	1000.000	48.000
6	2	55.900	17.000000	1322.000	---	464.000
7	3	53.400	17.000000	1270.000	1431.000	347.000
8	2	88.300	17.000000	1417.000	---	544.000
9	2	95.600	17.000000	1228.000	---	453.000
10	2	70.400	17.000000	1039.000	---	291.000
11	2	53.000	17.000000	1860.000	---	689.000
12	1	80.600	17.000000	---	---	628.000
13	3	67.000	17.000000	1382.000	1724.000	487.000
14	2	67.300	17.000000	1895.000	---	682.000
15	2	63.100	17.000000	1171.000	---	343.000
16	2	79.400	17.000000	1369.000	---	186.000

Detailed Results for Radar Type 5_Trial 6

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	79.600	17.000000	1029.000	---	270.000
2	1	90.200	17.000000	---	---	580.000
3	3	66.100	17.000000	1312.000	1766.000	86.000
4	1	95.200	17.000000	---	---	92.000
5	2	76.300	17.000000	1238.000	---	368.000
6	2	75.800	17.000000	1106.000	---	165.000
7	3	50.700	17.000000	1312.000	1580.000	377.000
8	3	56.300	17.000000	1837.000	1154.000	323.000
9	3	56.100	17.000000	1061.000	1394.000	400.000
10	3	81.200	17.000000	1582.000	1379.000	405.000
11	2	89.700	17.000000	1845.000	---	506.000
12	1	97.800	17.000000	---	---	331.000
13	1	75.700	17.000000	---	---	430.000
14	3	50.200	17.000000	1237.000	1653.000	544.000
15	2	52.000	17.000000	1729.000	---	339.000
16	2	69.400	17.000000	1603.000	---	44.000
17	2	67.500	17.000000	1168.000	---	521.000
18	2	98.100	17.000000	958.000	---	384.000
19	3	63.600	17.000000	1260.000	1640.000	194.000

Detailed Results for Radar Type 5_Trial 7

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	52.300	11.000000	1799.000	1297.000	737.000
2	3	53.600	11.000000	1397.000	1860.000	189.000
3	1	59.200	11.000000	---	---	495.000
4	3	54.300	11.000000	1885.000	1319.000	152.000
5	1	75.600	11.000000	---	---	76.000
6	1	52.900	11.000000	---	---	190.000
7	1	97.700	11.000000	---	---	195.000
8	2	50.200	11.000000	1276.000	---	604.000
9	3	95.000	11.000000	1526.000	1582.000	267.000
10	3	77.500	11.000000	1494.000	1729.000	842.000
11	1	66.900	11.000000	---	---	144.000
12	2	96.100	11.000000	1441.000	---	435.000
13	3	62.500	11.000000	1037.000	1474.000	262.000
14	2	53.100	11.000000	1278.000	---	525.000

Detailed Results for Radar Type 5_Trial 8

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	76.300	6.000000	1673.000	1870.000	757.000
2	1	85.600	6.000000	---	---	712.000
3	2	87.400	6.000000	1495.000	---	427.000
4	2	67.800	6.000000	1430.000	---	153.000
5	1	80.900	6.000000	---	---	197.000
6	1	80.300	6.000000	---	---	160.000
7	3	86.500	6.000000	1329.000	1212.000	509.000
8	1	96.300	6.000000	---	---	828.000
9	1	80.800	6.000000	---	---	306.000
10	2	74.900	6.000000	1636.000	---	609.000
11	3	60.400	6.000000	1278.000	1394.000	269.000
12	3	57.300	6.000000	1719.000	999.000	826.000
13	2	64.800	6.000000	1378.000	---	41.000
14	2	66.600	6.000000	933.000	---	631.000

Detailed Results for Radar Type 5_Trial 9

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	80.800	17.000000	1865.000	---	407.000
2	2	65.200	17.000000	1617.000	---	541.000
3	2	55.500	17.000000	1012.000	---	474.000
4	2	97.400	17.000000	1402.000	---	157.000
5	2	70.500	17.000000	1522.000	---	531.000
6	2	84.400	17.000000	1207.000	---	573.000
7	3	86.000	17.000000	1566.000	1277.000	121.000
8	2	76.800	17.000000	1481.000	---	136.000
9	2	87.400	17.000000	993.000	---	227.000
10	2	56.300	17.000000	1384.000	---	27.000
11	3	86.700	17.000000	920.000	1181.000	224.000
12	3	81.000	17.000000	959.000	1111.000	506.000
13	2	50.500	17.000000	1891.000	---	173.000
14	2	92.000	17.000000	1263.000	---	553.000
15	2	62.200	17.000000	1469.000	---	311.000
16	2	69.400	17.000000	1007.000	---	332.000
17	3	65.600	17.000000	1335.000	1823.000	519.000
18	2	70.300	17.000000	1590.000	---	96.000
19	3	78.100	17.000000	1361.000	1775.000	12.000

Detailed Results for Radar Type 5_Trial 10

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	57.400	6.000000	963.000	---	180.000
2	2	93.600	6.000000	1584.000	---	459.000
3	2	80.100	6.000000	1493.000	---	435.000
4	1	64.100	6.000000	---	---	1256.000
5	2	67.700	6.000000	1215.000	---	734.000
6	1	96.500	6.000000	---	---	1281.000
7	2	81.500	6.000000	974.000	---	1432.000
8	2	66.800	6.000000	1558.000	---	92.000

Detailed Results for Radar Type 5_Trial 11

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	93.100	11.000000	---	---	422.000
2	3	61.300	11.000000	1194.000	1086.000	738.000
3	3	57.000	11.000000	1918.000	1102.000	523.000
4	3	91.800	11.000000	1588.000	1798.000	874.000
5	3	88.600	11.000000	1491.000	1061.000	748.000
6	3	62.400	11.000000	1019.000	1144.000	525.000
7	3	88.000	11.000000	1259.000	1713.000	641.000
8	2	77.700	11.000000	1025.000	---	383.000
9	1	51.800	11.000000	---	---	554.000
10	1	55.900	11.000000	---	---	939.000
11	3	63.700	11.000000	1503.000	1789.000	182.000

Detailed Results for Radar Type 5_Trial 12

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	61.700	11.000000	1264.000	1572.000	640.000
2	3	82.600	11.000000	923.000	1387.000	439.000
3	2	74.800	11.000000	1230.000	---	16.000
4	2	77.700	11.000000	1544.000	---	613.000
5	1	80.400	11.000000	---	---	213.000
6	3	88.700	11.000000	1316.000	1461.000	568.000
7	3	78.100	11.000000	1065.000	1167.000	387.000
8	2	56.600	11.000000	1454.000	---	647.000
9	1	63.600	11.000000	---	---	285.000
10	2	73.100	11.000000	1369.000	---	189.000
11	2	67.900	11.000000	994.000	---	165.000
12	2	76.500	11.000000	1164.000	---	480.000
13	1	63.700	11.000000	---	---	28.000
14	2	70.100	11.000000	1823.000	---	516.000
15	2	90.400	11.000000	1694.000	---	561.000
16	2	87.700	11.000000	1528.000	---	420.000
17	3	77.700	11.000000	1339.000	1407.000	61.000
18	1	81.300	11.000000	---	---	67.000

Detailed Results for Radar Type 5_Trial 13

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	75.600	14.000000	1717.000	1819.000	814.000
2	2	87.500	14.000000	1850.000	---	108.000
3	1	69.100	14.000000	---	---	310.000
4	2	55.800	14.000000	972.000	---	0.000
5	1	90.600	14.000000	---	---	277.000
6	2	87.800	14.000000	1808.000	---	20.000
7	1	74.000	14.000000	---	---	35.000
8	3	94.800	14.000000	1120.000	938.000	554.000
9	2	57.200	14.000000	1619.000	---	141.000
10	1	56.000	14.000000	---	---	595.000
11	2	99.500	14.000000	1143.000	---	262.000
12	2	66.500	14.000000	1675.000	---	557.000

Detailed Results for Radar Type 5_Trial 14

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	66.600	20.000000	---	---	330.000
2	1	74.500	20.000000	---	---	248.000
3	2	68.200	20.000000	1149.000	---	80.000
4	2	70.100	20.000000	1849.000	---	536.000
5	3	65.800	20.000000	1316.000	1180.000	623.000
6	3	82.100	20.000000	1690.000	1661.000	503.000
7	2	95.900	20.000000	1840.000	---	687.000
8	1	51.100	20.000000	---	---	107.000
9	2	99.600	20.000000	1035.000	---	389.000
10	1	59.600	20.000000	---	---	424.000
11	3	96.000	20.000000	1733.000	1820.000	427.000
12	3	64.400	20.000000	1553.000	1679.000	204.000
13	2	82.800	20.000000	1451.000	---	69.000
14	2	86.800	20.000000	1508.000	---	573.000
15	2	76.300	20.000000	1738.000	---	361.000
16	2	83.800	20.000000	1152.000	---	683.000

Detailed Results for Radar Type 5_Trial 15

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	78.300	8.000000	1113.000	---	442.000
2	3	73.800	8.000000	1354.000	1837.000	373.000
3	3	76.100	8.000000	1355.000	1639.000	48.000
4	3	87.300	8.000000	1498.000	1822.000	357.000
5	1	50.900	8.000000	---	---	161.000
6	2	69.700	8.000000	1619.000	---	132.000
7	3	76.000	8.000000	1288.000	1532.000	644.000
8	2	60.600	8.000000	1300.000	---	48.000
9	1	98.100	8.000000	---	---	403.000
10	2	52.200	8.000000	1422.000	---	506.000
11	2	98.400	8.000000	1351.000	---	22.000
12	2	87.700	8.000000	1180.000	---	634.000
13	3	82.400	8.000000	1704.000	1848.000	28.000
14	3	68.900	8.000000	1080.000	1341.000	12.000
15	2	71.600	8.000000	1681.000	---	577.000
16	3	93.100	8.000000	1758.000	1536.000	609.000
17	2	52.100	8.000000	1941.000	---	612.000
18	2	89.200	8.000000	966.000	---	60.000

Detailed Results for Radar Type 5_Trial 16

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	84.500	5.000000	---	---	77.000
2	2	85.100	5.000000	1049.000	---	561.000
3	2	77.500	5.000000	1012.000	---	322.000
4	2	95.300	5.000000	1524.000	---	591.000
5	2	69.000	5.000000	1447.000	---	479.000
6	2	65.200	5.000000	1574.000	---	177.000
7	3	77.400	5.000000	1446.000	1628.000	4.000
8	2	58.000	5.000000	1737.000	---	631.000
9	3	58.500	5.000000	1714.000	1626.000	330.000
10	1	98.600	5.000000	---	---	508.000
11	1	73.900	5.000000	---	---	27.000
12	1	67.700	5.000000	---	---	157.000
13	1	99.000	5.000000	---	---	313.000
14	2	76.800	5.000000	1232.000	---	429.000
15	2	89.900	5.000000	1618.000	---	574.000
16	3	88.000	5.000000	1587.000	1221.000	326.000
17	1	55.100	5.000000	---	---	550.000
18	3	93.900	5.000000	930.000	1084.000	275.000

Detailed Results for Radar Type 5_Trial 17

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	80.100	9.000000	---	---	183.000
2	2	59.600	9.000000	946.000	---	473.000
3	2	89.000	9.000000	1573.000	---	426.000
4	2	68.300	9.000000	1801.000	---	366.000
5	1	89.400	9.000000	---	---	250.000
6	2	64.000	9.000000	958.000	---	447.000
7	2	82.200	9.000000	1272.000	---	585.000
8	2	67.300	9.000000	1688.000	---	134.000
9	2	52.500	9.000000	1696.000	---	264.000
10	2	84.100	9.000000	1133.000	---	335.000
11	2	53.000	9.000000	1374.000	---	890.000
12	2	62.000	9.000000	1636.000	---	526.000
13	3	96.100	9.000000	1660.000	1103.000	493.000

Detailed Results for Radar Type 5_Trial 18

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	55.900	14.000000	1883.000	---	1025.000
2	2	64.100	14.000000	1710.000	---	849.000
3	2	77.200	14.000000	1650.000	---	136.000
4	2	96.600	14.000000	1520.000	---	468.000
5	2	98.000	14.000000	923.000	---	376.000
6	2	66.700	14.000000	1462.000	---	705.000
7	3	66.400	14.000000	1003.000	1192.000	1416.000
8	2	57.000	14.000000	1038.000	---	240.000

Detailed Results for Radar Type 5_Trial 19

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	93.600	5.000000	---	---	12.000
2	3	75.700	5.000000	1082.000	1831.000	391.000
3	1	78.600	5.000000	---	---	945.000
4	3	97.800	5.000000	1410.000	1227.000	166.000
5	2	90.700	5.000000	1124.000	---	67.000
6	2	98.300	5.000000	1313.000	---	512.000
7	3	72.800	5.000000	1011.000	1020.000	645.000
8	3	73.700	5.000000	1726.000	1553.000	442.000
9	1	90.200	5.000000	---	---	22.000
10	1	62.700	5.000000	---	---	746.000
11	3	83.300	5.000000	1501.000	1874.000	837.000
12	3	80.000	5.000000	1591.000	1770.000	458.000

Detailed Results for Radar Type 5_Trial 20

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	59.500	11.000000	1738.000	---	660.000
2	1	57.000	11.000000	---	---	796.000
3	2	54.400	11.000000	1891.000	---	779.000
4	2	97.500	11.000000	1566.000	---	298.000
5	3	52.000	11.000000	1941.000	1472.000	201.000
6	1	62.500	11.000000	---	---	211.000
7	2	79.100	11.000000	1016.000	---	30.000
8	2	98.600	11.000000	927.000	---	485.000
9	2	52.900	11.000000	1814.000	---	328.000
10	2	64.600	11.000000	1644.000	---	339.000
11	3	75.300	11.000000	1710.000	1296.000	500.000
12	1	74.200	11.000000	---	---	451.000
13	1	58.400	11.000000	---	---	160.000
14	1	97.500	11.000000	---	---	573.000

Detailed Results for Radar Type 5_Trial 21

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	80.900	6.000000	---	---	565.000
2	3	55.800	6.000000	1708.000	1448.000	439.000
3	2	93.400	6.000000	985.000	---	706.000
4	2	83.200	6.000000	1912.000	---	758.000
5	3	59.100	6.000000	1594.000	1591.000	79.000
6	2	74.400	6.000000	939.000	---	107.000
7	3	85.400	6.000000	1733.000	1253.000	238.000
8	3	98.000	6.000000	1896.000	1606.000	373.000
9	1	92.100	6.000000	---	---	363.000
10	1	84.400	6.000000	---	---	227.000
11	2	67.400	6.000000	1272.000	---	646.000
12	3	92.000	6.000000	1831.000	1066.000	457.000
13	3	87.500	6.000000	1763.000	1055.000	22.000

Detailed Results for Radar Type 5_Trial 22

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	97.100	19.000000	1539.000	---	378.000
2	2	62.500	19.000000	1931.000	---	586.000
3	3	85.200	19.000000	1860.000	942.000	473.000
4	2	57.800	19.000000	1401.000	---	394.000
5	1	72.100	19.000000	---	---	254.000
6	1	92.700	19.000000	---	---	242.000
7	2	56.200	19.000000	1405.000	---	411.000
8	3	54.300	19.000000	1382.000	1712.000	591.000
9	3	88.200	19.000000	1026.000	1680.000	17.000
10	3	68.200	19.000000	1051.000	1804.000	269.000
11	2	91.600	19.000000	1080.000	---	315.000
12	2	94.700	19.000000	1056.000	---	501.000
13	2	60.900	19.000000	1566.000	---	227.000
14	2	57.700	19.000000	1345.000	---	332.000
15	2	80.500	19.000000	1002.000	---	131.000
16	1	78.700	19.000000	---	---	51.000
17	2	95.800	19.000000	1851.000	---	346.000
18	3	74.500	19.000000	1430.000	1097.000	108.000
19	3	65.700	19.000000	1155.000	1430.000	508.000

Detailed Results for Radar Type 5_Trial 23

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	66.400	15.000000	1599.000	1875.000	190.000
2	1	73.600	15.000000	---	---	165.000
3	2	55.200	15.000000	1726.000	---	332.000
4	2	62.700	15.000000	1752.000	---	117.000
5	3	50.600	15.000000	1523.000	1052.000	572.000
6	2	57.800	15.000000	944.000	---	746.000
7	3	98.000	15.000000	1343.000	1215.000	147.000
8	2	82.800	15.000000	1182.000	---	30.000
9	2	62.900	15.000000	1549.000	---	395.000
10	2	50.700	15.000000	1196.000	---	333.000
11	3	69.200	15.000000	1106.000	1036.000	388.000
12	3	60.900	15.000000	1175.000	1183.000	612.000
13	2	78.500	15.000000	1908.000	---	125.000
14	2	67.800	15.000000	1667.000	---	502.000
15	2	58.000	15.000000	1869.000	---	224.000

Detailed Results for Radar Type 5_Trial 24

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	63.100	5.000000	1767.000	---	49.000
2	2	54.000	5.000000	1907.000	---	76.000
3	1	74.000	5.000000	---	---	573.000
4	3	69.500	5.000000	1490.000	1185.000	440.000
5	2	62.300	5.000000	1013.000	---	645.000
6	2	52.800	5.000000	1682.000	---	178.000
7	2	90.100	5.000000	1367.000	---	171.000
8	1	86.200	5.000000	---	---	251.000
9	2	94.800	5.000000	908.000	---	307.000
10	2	66.500	5.000000	972.000	---	415.000
11	3	60.800	5.000000	1555.000	1769.000	440.000
12	2	69.200	5.000000	1364.000	---	408.000
13	2	82.600	5.000000	1077.000	---	86.000
14	3	89.600	5.000000	934.000	1096.000	215.000
15	2	87.700	5.000000	958.000	---	272.000
16	2	74.300	5.000000	1246.000	---	576.000
17	1	98.600	5.000000	---	---	262.000
18	3	82.600	5.000000	1172.000	1322.000	628.000

Detailed Results for Radar Type 5_Trial 25

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	74.800	8.000000	1894.000	---	41.000
2	2	95.100	8.000000	1815.000	---	443.000
3	1	95.500	8.000000	---	---	663.000
4	2	87.500	8.000000	1259.000	---	156.000
5	3	86.300	8.000000	947.000	1761.000	185.000
6	1	90.900	8.000000	---	---	246.000
7	2	51.800	8.000000	1879.000	---	166.000
8	1	92.100	8.000000	---	---	203.000
9	3	83.800	8.000000	1477.000	1851.000	570.000
10	1	51.500	8.000000	---	---	48.000
11	1	60.400	8.000000	---	---	1.000
12	3	95.800	8.000000	934.000	1424.000	382.000
13	2	79.200	8.000000	1808.000	---	537.000
14	3	79.500	8.000000	1300.000	1192.000	323.000
15	1	83.200	8.000000	---	---	343.000
16	2	98.800	8.000000	1791.000	---	560.000
17	2	50.800	8.000000	1866.000	---	659.000

Detailed Results for Radar Type 5_Trial 26

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	92.800	10.000000	1307.000	1195.000	177.000
2	2	69.200	10.000000	1264.000	---	1014.000
3	2	63.000	10.000000	1830.000	---	875.000
4	1	58.400	10.000000	---	---	470.000
5	2	74.900	10.000000	1531.000	---	184.000
6	2	76.000	10.000000	1488.000	---	679.000
7	2	50.500	10.000000	1360.000	---	296.000
8	1	82.500	10.000000	---	---	645.000
9	3	58.800	10.000000	1168.000	1620.000	345.000
10	2	70.900	10.000000	1468.000	---	205.000
11	1	72.700	10.000000	---	---	702.000

Detailed Results for Radar Type 5_Trial 27

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	77.400	20.000000	1666.000	---	613.000
2	3	99.600	20.000000	1128.000	1195.000	1083.000
3	3	95.100	20.000000	1506.000	1563.000	362.000
4	1	84.300	20.000000	---	---	319.000
5	3	88.900	20.000000	1568.000	1152.000	604.000
6	2	69.200	20.000000	995.000	---	451.000
7	2	81.400	20.000000	1689.000	---	791.000
8	2	88.500	20.000000	1286.000	---	359.000
9	3	70.600	20.000000	1189.000	1825.000	241.000
10	3	56.000	20.000000	1217.000	1783.000	317.000

Detailed Results for Radar Type 5_Trial 28

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	93.000	5.000000	1554.000	1785.000	287.000
2	1	83.900	5.000000	---	---	719.000
3	1	58.600	5.000000	---	---	22.000
4	2	51.600	5.000000	1301.000	---	508.000
5	2	86.000	5.000000	971.000	---	394.000
6	2	52.400	5.000000	1014.000	---	126.000
7	2	81.600	5.000000	1650.000	---	756.000
8	2	73.500	5.000000	1428.000	---	653.000
9	1	58.900	5.000000	---	---	761.000
10	1	93.500	5.000000	---	---	118.000
11	2	90.600	5.000000	1774.000	---	108.000
12	2	58.400	5.000000	1448.000	---	740.000
13	2	89.100	5.000000	1406.000	---	689.000
14	2	73.900	5.000000	1071.000	---	160.000
15	1	61.700	5.000000	---	---	172.000

Detailed Results for Radar Type 5_Trial 29

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	54.600	13.000000	1482.000	---	997.000
2	3	58.000	13.000000	1111.000	999.000	712.000
3	3	63.400	13.000000	1268.000	1709.000	269.000
4	3	67.400	13.000000	1035.000	1498.000	377.000
5	3	70.200	13.000000	1122.000	999.000	381.000
6	1	92.500	13.000000	---	---	942.000
7	3	63.900	13.000000	1233.000	1239.000	49.000
8	1	67.700	13.000000	---	---	121.000
9	2	74.700	13.000000	1791.000	---	596.000
10	2	98.000	13.000000	1740.000	---	602.000

Detailed Results for Radar Type 5_Trial 30

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	51.100	19.000000	---	---	551.000
2	2	85.100	19.000000	1734.000	---	404.000
3	3	52.100	19.000000	1720.000	1874.000	512.000
4	1	74.000	19.000000	---	---	40.000
5	2	52.100	19.000000	1849.000	---	96.000
6	2	76.700	19.000000	1657.000	---	349.000
7	1	55.400	19.000000	---	---	91.000
8	3	81.200	19.000000	1796.000	1552.000	89.000
9	2	60.900	19.000000	1713.000	---	57.000
10	2	57.100	19.000000	1611.000	---	530.000
11	2	50.100	19.000000	1364.000	---	248.000
12	1	89.400	19.000000	---	---	296.000
13	3	64.500	19.000000	1437.000	1500.000	469.000
14	2	72.500	19.000000	1415.000	---	437.000
15	3	72.200	19.000000	1705.000	1577.000	554.000
16	2	87.800	19.000000	1175.000	---	48.000
17	2	91.300	19.000000	1613.000	---	537.000
18	2	65.400	19.000000	1307.000	---	194.000
19	1	56.300	19.000000	---	---	276.000
20	2	68.900	19.000000	1611.000	---	430.000

Detailed Results for Radar Type 6

Trial Number	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	1.000	300.000	9	YES	
2	1.000	300.000	9	YES	
3	1.000	300.000	9	YES	
4	1.000	300.000	9	YES	
5	1.000	300.000	9	YES	
6	1.000	300.000	9	YES	
7	1.000	300.000	9	YES	
8	1.000	300.000	9	YES	
9	1.000	300.000	9	YES	
10	1.000	300.000	9	YES	
11	1.000	300.000	9	YES	
12	1.000	300.000	9	YES	
13	1.000	300.000	9	YES	
14	1.000	300.000	9	YES	
15	1.000	300.000	9	YES	
16	1.000	300.000	9	YES	
17	1.000	300.000	9	YES	
18	1.000	300.000	9	YES	
19	1.000	300.000	9	YES	
20	1.000	300.000	9	YES	
21	1.000	300.000	9	YES	
22	1.000	300.000	9	YES	
23	1.000	300.000	9	YES	
24	1.000	300.000	9	YES	
25	1.000	300.000	9	YES	
26	1.000	300.000	9	YES	
27	1.000	300.000	9	YES	
28	1.000	300.000	9	YES	
29	1.000	300.000	9	YES	
30	1.000	300.000	9	YES	

Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-64	dBm
Vector Generator level setting	-26.94	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.06	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-63.00	dBm

Settings for Radar Type 1 to 4

Setting	Instrument Value	Target Value
Center Frequency	5.55000 GHz	5.55000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	12.000 s	12.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	1.000 s	1.000 s

Settings for Long Pulse Radar Type 5 (Simulated)

Setting	Instrument Value	Target Value
Center Frequency	0.00000 Hz	0.00000 Hz
Span	0.000 Hz	0.000 Hz
RBW	0.000 Hz	~ 0.000 Hz
VBW	0.000 Hz	~ 0.000 Hz
SweepPoints	0	~ 0
Sweeptime	0.000 s	0.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	RMS	RMS
SweepCount	0	0
Filter	3 dB	3 dB
Trace Mode		~
Sweeptype	AUTO	AUTO
Preamp	off	off

Settings for Freq. Hopping Radar Type 6 (Simulated)

Setting	Instrument Value	Target Value
Center Frequency	0.00000 Hz	0.00000 Hz
Span	0.000 Hz	0.000 Hz
RBW	0.000 Hz	~ 0.000 Hz
VBW	0.000 Hz	~ 0.000 Hz
SweepPoints	0	~ 0
Sweeptime	0.000 s	0.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	RMS	RMS
SweepCount	0	0
Filter	3 dB	3 dB
Trace Mode		~
Sweeptype	AUTO	AUTO
Preamp	off	off

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	12.000 s	12.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	30000000	30000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak

DFS Statistical Performance Check (5530 MHz; 80 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Detection count	Percentage of Detection Px	Detection Limit	Overall Result	Overall Comment
5530.000000	1	30 of 30	100.00%	60.0 %	PASS	
5530.000000	2	29 of 30	96.67%	60.0 %	PASS	
5530.000000	3	27 of 30	90.00%	60.0 %	PASS	
5530.000000	4	27 of 30	90.00%	60.0 %	PASS	
5530.000000	5	28 of 30	93.33%	80.0 %	PASS	
5530.000000	6	30 of 30	100.00%	70.0 %	PASS	

Aggregate Results for Short Pulse Radar Type 1-4

Aggregate Calculation as follows	Aggregate Percentage	Aggregate Limit	Aggregate Result	Aggregate Comment
(P1 + P2 + P3 + P4) / 4	94.17%	80.0 %	PASS	

Detailed Results for Radar Type 1

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	34	1.000	1498.000	36	YES	
2	18	1.000	858.000	62	YES	
3	35	1.000	1596.000	34	YES	
4	17	1.000	838.000	63	YES	
5	15	1.000	798.000	67	YES	
6	14	1.000	778.000	68	YES	
7	36	1.000	1693.000	32	YES	
8	20	1.000	898.000	59	YES	
9	31	1.000	1205.000	44	YES	
10	12	1.000	738.000	72	YES	
11	27	1.000	815.000	65	YES	
12	41	1.000	2181.000	25	YES	
13	6	1.000	618.000	86	YES	
14	30	1.000	1108.000	48	YES	
15	50	1.000	3060.000	18	YES	
16	16	1.000	818.000	65	YES	
17	24	1.000	522.000	102	YES	
18	5	1.000	598.000	89	YES	
19	11	1.000	718.000	74	YES	
20	13	1.000	758.000	70	YES	
21	9	1.000	678.000	78	YES	
22	8	1.000	658.000	81	YES	
23	29	1.000	1010.000	53	YES	
24	22	1.000	938.000	57	YES	
25	2	1.000	538.000	99	YES	
26	40	1.000	2084.000	26	YES	
27	42	1.000	2279.000	24	YES	
28	26	1.000	717.000	74	YES	
29	1	1.000	518.000	102	YES	
30	3	1.000	558.000	95	YES	

Detailed Results for Radar Type 2

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	47	3.400	213.000	27	YES	
2	32	3.700	222.000	26	YES	
3	49	1.800	159.000	25	YES	
4	7	1.400	185.000	27	YES	
5	2	4.500	191.000	23	YES	
6	12	3.100	182.000	28	YES	
7	17	4.500	213.000	23	No	
8	26	3.700	217.000	28	YES	
9	44	3.500	167.000	29	YES	
10	11	1.700	224.000	23	YES	
11	39	4.900	163.000	23	YES	
12	19	2.000	200.000	25	YES	
13	25	4.400	202.000	24	YES	
14	22	2.400	209.000	26	YES	
15	40	3.600	230.000	27	YES	
16	43	4.100	153.000	24	YES	
17	30	4.200	173.000	25	YES	
18	45	3.200	227.000	29	YES	
19	46	3.000	191.000	28	YES	
20	6	3.700	161.000	26	YES	
21	28	1.700	216.000	27	YES	
22	14	4.800	175.000	24	YES	
23	10	1.200	175.000	26	YES	
24	34	2.200	197.000	28	YES	
25	36	3.200	200.000	28	YES	
26	35	1.200	206.000	24	YES	
27	50	4.100	158.000	25	YES	
28	38	2.000	180.000	25	YES	
29	5	3.500	226.000	26	YES	
30	24	4.400	188.000	27	YES	

Detailed Results for Radar Type 3

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	8	7.000	358.000	17	YES	
2	9	6.300	454.000	17	YES	
3	18	6.200	263.000	18	YES	
4	17	8.700	413.000	17	YES	
5	26	9.200	497.000	17	YES	
6	19	9.600	336.000	18	YES	
7	31	8.800	487.000	17	YES	
8	40	7.400	271.000	17	YES	
9	44	7.100	457.000	16	YES	
10	12	8.000	463.000	17	YES	
11	37	7.500	217.000	17	YES	
12	13	8.400	343.000	17	No	
13	5	8.200	464.000	18	No	
14	14	6.600	455.000	16	YES	
15	46	8.500	349.000	17	YES	
16	42	8.600	493.000	17	YES	
17	7	6.500	466.000	17	YES	
18	25	9.600	458.000	17	YES	
19	50	7.700	206.000	17	YES	
20	34	6.400	477.000	17	YES	
21	27	6.600	301.000	17	YES	
22	45	6.700	426.000	17	YES	
23	24	6.000	378.000	17	YES	
24	41	7.700	467.000	16	YES	
25	30	8.400	309.000	17	YES	
26	6	7.500	429.000	17	No	
27	33	9.000	430.000	18	YES	
28	32	8.700	356.000	18	YES	
29	2	7.500	211.000	17	YES	
30	4	8.300	462.000	17	YES	

Detailed Results for Radar Type 4

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	41	13.300	439.000	14	YES	
2	50	14.400	286.000	12	YES	
3	48	14.500	433.000	12	No	
4	14	16.600	212.000	16	YES	
5	28	13.000	309.000	14	YES	
6	31	14.400	266.000	14	YES	
7	13	16.000	485.000	14	No	
8	42	18.500	208.000	14	YES	
9	7	18.600	236.000	12	YES	
10	40	13.600	237.000	15	YES	
11	12	16.000	461.000	13	YES	
12	21	11.700	483.000	16	YES	
13	17	17.100	308.000	15	YES	
14	15	14.700	324.000	13	YES	
15	10	14.200	351.000	12	YES	
16	23	18.300	265.000	14	YES	
17	39	12.400	217.000	14	YES	
18	1	15.900	410.000	13	YES	
19	35	12.600	268.000	13	YES	
20	16	19.900	366.000	14	YES	
21	2	19.900	428.000	12	No	
22	47	17.700	416.000	12	YES	
23	9	13.300	254.000	14	YES	
24	34	17.300	366.000	14	YES	
25	45	16.700	419.000	16	YES	
26	26	18.900	299.000	16	YES	
27	44	17.900	458.000	14	YES	
28	5	14.100	478.000	15	YES	
29	30	11.800	384.000	14	YES	
30	6	18.500	499.000	13	YES	

Detailed Results for Radar Type 5

Trial Number	Random Trial used	Pulses Detected	Comment
1	45	YES	For detailed burst Data see separate table Type5_Trial1
2	31	No	For detailed burst Data see separate table Type5_Trial2
3	48	YES	For detailed burst Data see separate table Type5_Trial3
4	18	YES	For detailed burst Data see separate table Type5_Trial4
5	24	YES	For detailed burst Data see separate table Type5_Trial5
6	19	YES	For detailed burst Data see separate table Type5_Trial6
7	40	No	For detailed burst Data see separate table Type5_Trial7
8	11	YES	For detailed burst Data see separate table Type5_Trial8
9	3	YES	For detailed burst Data see separate table Type5_Trial9
10	32	YES	For detailed burst Data see separate table Type5_Trial10
11	42	YES	For detailed burst Data see separate table Type5_Trial11
12	49	YES	For detailed burst Data see separate table Type5_Trial12
13	14	YES	For detailed burst Data see separate table Type5_Trial13
14	35	YES	For detailed burst Data see separate table Type5_Trial14
15	1	YES	For detailed burst Data see separate table Type5_Trial15
16	17	YES	For detailed burst Data see separate table Type5_Trial16
17	50	YES	For detailed burst Data see separate table Type5_Trial17
18	9	YES	For detailed burst Data see separate table Type5_Trial18
19	25	YES	For detailed burst Data see separate table Type5_Trial19
20	36	YES	For detailed burst Data see separate table Type5_Trial20
21	46	YES	For detailed burst Data see separate table Type5_Trial21
22	30	YES	For detailed burst Data see separate table Type5_Trial22
23	8	YES	For detailed burst Data see separate table Type5_Trial23
24	15	YES	For detailed burst Data see separate table Type5_Trial24
25	7	YES	For detailed burst Data see separate table Type5_Trial25
26	16	YES	For detailed burst Data see separate table Type5_Trial26
27	34	YES	For detailed burst Data see separate table Type5_Trial27
28	44	YES	For detailed burst Data see separate table Type5_Trial28
29	33	YES	For detailed burst Data see separate table Type5_Trial29
30	29	YES	For detailed burst Data see separate table Type5_Trial30

Detailed Results for Radar Type 5_Trial 1

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	52.400	9.000000	974.000	---	609.000
2	2	55.800	9.000000	1319.000	---	738.000
3	2	58.000	9.000000	1056.000	---	899.000
4	2	50.700	9.000000	975.000	---	575.000
5	1	54.600	9.000000	---	---	73.000
6	2	82.900	9.000000	1205.000	---	107.000
7	2	51.100	9.000000	991.000	---	451.000
8	2	94.700	9.000000	1862.000	---	331.000
9	2	65.500	9.000000	1034.000	---	871.000
10	2	62.000	9.000000	1226.000	---	12.000
11	3	65.600	9.000000	1015.000	1040.000	157.000
12	2	54.800	9.000000	1350.000	---	641.000
13	2	68.900	9.000000	1496.000	---	791.000

Detailed Results for Radar Type 5_Trial 2

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	78.100	10.000000	1102.000	---	160.000
2	2	51.400	10.000000	957.000	---	633.000
3	3	85.200	10.000000	1076.000	1386.000	363.000
4	1	96.300	10.000000	---	---	992.000
5	1	67.200	10.000000	---	---	751.000
6	3	68.900	10.000000	1284.000	1725.000	149.000
7	2	75.900	10.000000	958.000	---	690.000
8	2	87.000	10.000000	1715.000	---	512.000
9	1	88.500	10.000000	---	---	611.000
10	3	61.000	10.000000	1333.000	1179.000	361.000
11	1	57.000	10.000000	---	---	214.000
12	2	55.900	10.000000	1656.000	---	643.000

Detailed Results for Radar Type 5_Trial 3

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	97.900	7.000000	1124.000	---	368.000
2	2	94.200	7.000000	1097.000	---	363.000
3	2	95.600	7.000000	1706.000	---	338.000
4	3	60.700	7.000000	1726.000	1788.000	628.000
5	2	79.600	7.000000	921.000	---	352.000
6	2	55.700	7.000000	1463.000	---	71.000
7	2	92.300	7.000000	1486.000	---	208.000
8	3	59.600	7.000000	1550.000	1830.000	605.000
9	2	95.900	7.000000	1529.000	---	727.000
10	2	87.500	7.000000	1521.000	---	637.000
11	3	81.100	7.000000	961.000	1815.000	593.000
12	3	93.000	7.000000	1246.000	1717.000	400.000
13	3	62.500	7.000000	1219.000	1563.000	742.000
14	1	70.400	7.000000	---	---	627.000
15	2	63.400	7.000000	1345.000	---	439.000
16	1	78.000	7.000000	---	---	663.000

Detailed Results for Radar Type 5_Trial 4

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	93.600	5.000000	---	---	12.000
2	3	75.700	5.000000	1082.000	1831.000	391.000
3	1	78.600	5.000000	---	---	945.000
4	3	97.800	5.000000	1410.000	1227.000	166.000
5	2	90.700	5.000000	1124.000	---	67.000
6	2	98.300	5.000000	1313.000	---	512.000
7	3	72.800	5.000000	1011.000	1020.000	645.000
8	3	73.700	5.000000	1726.000	1553.000	442.000
9	1	90.200	5.000000	---	---	22.000
10	1	62.700	5.000000	---	---	746.000
11	3	83.300	5.000000	1501.000	1874.000	837.000
12	3	80.000	5.000000	1591.000	1770.000	458.000

Detailed Results for Radar Type 5_Trial 5

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	78.300	8.000000	1113.000	---	442.000
2	3	73.800	8.000000	1354.000	1837.000	373.000
3	3	76.100	8.000000	1355.000	1639.000	48.000
4	3	87.300	8.000000	1498.000	1822.000	357.000
5	1	50.900	8.000000	---	---	161.000
6	2	69.700	8.000000	1619.000	---	132.000
7	3	76.000	8.000000	1288.000	1532.000	644.000
8	2	60.600	8.000000	1300.000	---	48.000
9	1	98.100	8.000000	---	---	403.000
10	2	52.200	8.000000	1422.000	---	506.000
11	2	98.400	8.000000	1351.000	---	22.000
12	2	87.700	8.000000	1180.000	---	634.000
13	3	82.400	8.000000	1704.000	1848.000	28.000
14	3	68.900	8.000000	1080.000	1341.000	12.000
15	2	71.600	8.000000	1681.000	---	577.000
16	3	93.100	8.000000	1758.000	1536.000	609.000
17	2	52.100	8.000000	1941.000	---	612.000
18	2	89.200	8.000000	966.000	---	60.000

Detailed Results for Radar Type 5_Trial 6

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	80.100	9.000000	---	---	183.000
2	2	59.600	9.000000	946.000	---	473.000
3	2	89.000	9.000000	1573.000	---	426.000
4	2	68.300	9.000000	1801.000	---	366.000
5	1	89.400	9.000000	---	---	250.000
6	2	64.000	9.000000	958.000	---	447.000
7	2	82.200	9.000000	1272.000	---	585.000
8	2	67.300	9.000000	1688.000	---	134.000
9	2	52.500	9.000000	1696.000	---	264.000
10	2	84.100	9.000000	1133.000	---	335.000
11	2	53.000	9.000000	1374.000	---	890.000
12	2	62.000	9.000000	1636.000	---	526.000
13	3	96.100	9.000000	1660.000	1103.000	493.000

Detailed Results for Radar Type 5_Trial 7

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	57.400	6.000000	963.000	---	180.000
2	2	93.600	6.000000	1584.000	---	459.000
3	2	80.100	6.000000	1493.000	---	435.000
4	1	64.100	6.000000	---	---	1256.000
5	2	67.700	6.000000	1215.000	---	734.000
6	1	96.500	6.000000	---	---	1281.000
7	2	81.500	6.000000	974.000	---	1432.000
8	2	66.800	6.000000	1558.000	---	92.000

Detailed Results for Radar Type 5_Trial 8

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	61.700	11.000000	1264.000	1572.000	640.000
2	3	82.600	11.000000	923.000	1387.000	439.000
3	2	74.800	11.000000	1230.000	---	16.000
4	2	77.700	11.000000	1544.000	---	613.000
5	1	80.400	11.000000	---	---	213.000
6	3	88.700	11.000000	1316.000	1461.000	568.000
7	3	78.100	11.000000	1065.000	1167.000	387.000
8	2	56.600	11.000000	1454.000	---	647.000
9	1	63.600	11.000000	---	---	285.000
10	2	73.100	11.000000	1369.000	---	189.000
11	2	67.900	11.000000	994.000	---	165.000
12	2	76.500	11.000000	1164.000	---	480.000
13	1	63.700	11.000000	---	---	28.000
14	2	70.100	11.000000	1823.000	---	516.000
15	2	90.400	11.000000	1694.000	---	561.000
16	2	87.700	11.000000	1528.000	---	420.000
17	3	77.700	11.000000	1339.000	1407.000	61.000
18	1	81.300	11.000000	---	---	67.000

Detailed Results for Radar Type 5_Trial 9

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	54.600	13.000000	1482.000	---	997.000
2	3	58.000	13.000000	1111.000	999.000	712.000
3	3	63.400	13.000000	1268.000	1709.000	269.000
4	3	67.400	13.000000	1035.000	1498.000	377.000
5	3	70.200	13.000000	1122.000	999.000	381.000
6	1	92.500	13.000000	---	---	942.000
7	3	63.900	13.000000	1233.000	1239.000	49.000
8	1	67.700	13.000000	---	---	121.000
9	2	74.700	13.000000	1791.000	---	596.000
10	2	98.000	13.000000	1740.000	---	602.000

Detailed Results for Radar Type 5_Trial 10

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	80.900	6.000000	---	---	565.000
2	3	55.800	6.000000	1708.000	1448.000	439.000
3	2	93.400	6.000000	985.000	---	706.000
4	2	83.200	6.000000	1912.000	---	758.000
5	3	59.100	6.000000	1594.000	1591.000	79.000
6	2	74.400	6.000000	939.000	---	107.000
7	3	85.400	6.000000	1733.000	1253.000	238.000
8	3	98.000	6.000000	1896.000	1606.000	373.000
9	1	92.100	6.000000	---	---	363.000
10	1	84.400	6.000000	---	---	227.000
11	2	67.400	6.000000	1272.000	---	646.000
12	3	92.000	6.000000	1831.000	1066.000	457.000
13	3	87.500	6.000000	1763.000	1055.000	22.000

Detailed Results for Radar Type 5_Trial 11

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	68.400	12.000000	1658.000	1189.000	811.000
2	3	79.800	12.000000	1645.000	1732.000	1059.000
3	1	86.100	12.000000	---	---	970.000
4	1	83.200	12.000000	---	---	765.000
5	1	97.500	12.000000	---	---	1117.000
6	2	51.300	12.000000	1708.000	---	559.000
7	3	77.900	12.000000	1276.000	1521.000	253.000
8	3	80.800	12.000000	1804.000	959.000	563.000
9	2	82.100	12.000000	1443.000	---	169.000
10	3	65.000	12.000000	1848.000	1035.000	156.000

Detailed Results for Radar Type 5_Trial 12

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	69.400	19.000000	1872.000	---	221.000
2	2	59.100	19.000000	1839.000	---	120.000
3	3	76.800	19.000000	1911.000	981.000	550.000
4	2	70.500	19.000000	1328.000	---	331.000
5	1	63.100	19.000000	---	---	681.000
6	3	59.900	19.000000	1048.000	1055.000	264.000
7	2	50.000	19.000000	1246.000	---	301.000
8	2	53.200	19.000000	993.000	---	222.000
9	1	80.500	19.000000	---	---	496.000
10	2	86.900	19.000000	1135.000	---	371.000
11	3	99.000	19.000000	1818.000	935.000	639.000
12	3	85.200	19.000000	1495.000	1079.000	633.000
13	3	68.700	19.000000	1289.000	1482.000	99.000
14	2	85.700	19.000000	1340.000	---	358.000
15	2	82.900	19.000000	1395.000	---	502.000
16	2	53.400	19.000000	1111.000	---	74.000
17	2	97.400	19.000000	1764.000	---	476.000

Detailed Results for Radar Type 5_Trial 13

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	86.900	18.000000	1072.000	1743.000	270.000
2	3	81.200	18.000000	1473.000	1232.000	993.000
3	3	100.000	18.000000	1838.000	1883.000	1083.000
4	1	65.400	18.000000	---	---	815.000
5	3	80.200	18.000000	1355.000	1538.000	799.000
6	3	96.500	18.000000	1759.000	1784.000	72.000
7	3	80.300	18.000000	1386.000	1646.000	426.000
8	2	81.600	18.000000	1787.000	---	878.000

Detailed Results for Radar Type 5_Trial 14

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	52.100	18.000000	1215.000	---	17.000
2	3	99.800	18.000000	1736.000	1673.000	148.000
3	2	53.200	18.000000	1233.000	---	12.000
4	1	87.200	18.000000	---	---	540.000
5	2	75.200	18.000000	975.000	---	618.000
6	3	63.600	18.000000	1614.000	1448.000	732.000
7	2	61.200	18.000000	1118.000	---	137.000
8	2	86.400	18.000000	1014.000	---	331.000
9	2	79.400	18.000000	1910.000	---	737.000
10	2	84.300	18.000000	1126.000	---	48.000
11	2	81.500	18.000000	1345.000	---	288.000
12	3	81.300	18.000000	1810.000	952.000	529.000
13	2	94.900	18.000000	1306.000	---	612.000
14	3	69.600	18.000000	1632.000	1730.000	692.000
15	3	73.300	18.000000	1015.000	1552.000	317.000
16	3	93.100	18.000000	1179.000	1533.000	7.000

Detailed Results for Radar Type 5_Trial 15

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	97.300	12.000000	1764.000	1049.000	85.000
2	1	83.400	12.000000	---	---	882.000
3	1	94.700	12.000000	---	---	903.000
4	2	60.100	12.000000	1023.000	---	878.000
5	2	54.600	12.000000	1385.000	---	1271.000
6	3	88.100	12.000000	1088.000	1048.000	932.000
7	3	90.200	12.000000	1799.000	1142.000	226.000
8	3	63.400	12.000000	1149.000	971.000	1426.000

Detailed Results for Radar Type 5_Trial 16

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	1	93.100	11.000000	---	---	422.000
2	3	61.300	11.000000	1194.000	1086.000	738.000
3	3	57.000	11.000000	1918.000	1102.000	523.000
4	3	91.800	11.000000	1588.000	1798.000	874.000
5	3	88.600	11.000000	1491.000	1061.000	748.000
6	3	62.400	11.000000	1019.000	1144.000	525.000
7	3	88.000	11.000000	1259.000	1713.000	641.000
8	2	77.700	11.000000	1025.000	---	383.000
9	1	51.800	11.000000	---	---	554.000
10	1	55.900	11.000000	---	---	939.000
11	3	63.700	11.000000	1503.000	1789.000	182.000

Detailed Results for Radar Type 5_Trial 17

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	63.100	5.000000	1767.000	---	49.000
2	2	54.000	5.000000	1907.000	---	76.000
3	1	74.000	5.000000	---	---	573.000
4	3	69.500	5.000000	1490.000	1185.000	440.000
5	2	62.300	5.000000	1013.000	---	645.000
6	2	52.800	5.000000	1682.000	---	178.000
7	2	90.100	5.000000	1367.000	---	171.000
8	1	86.200	5.000000	---	---	251.000
9	2	94.800	5.000000	908.000	---	307.000
10	2	66.500	5.000000	972.000	---	415.000
11	3	60.800	5.000000	1555.000	1769.000	440.000
12	2	69.200	5.000000	1364.000	---	408.000
13	2	82.600	5.000000	1077.000	---	86.000
14	3	89.600	5.000000	934.000	1096.000	215.000
15	2	87.700	5.000000	958.000	---	272.000
16	2	74.300	5.000000	1246.000	---	576.000
17	1	98.600	5.000000	---	---	262.000
18	3	82.600	5.000000	1172.000	1322.000	628.000

Detailed Results for Radar Type 5_Trial 18

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	70.500	17.000000	956.000	---	247.000
2	3	85.800	17.000000	1726.000	1051.000	659.000
3	2	67.600	17.000000	1910.000	---	383.000
4	2	97.900	17.000000	1794.000	---	123.000
5	3	55.000	17.000000	1798.000	1000.000	48.000
6	2	55.900	17.000000	1322.000	---	464.000
7	3	53.400	17.000000	1270.000	1431.000	347.000
8	2	88.300	17.000000	1417.000	---	544.000
9	2	95.600	17.000000	1228.000	---	453.000
10	2	70.400	17.000000	1039.000	---	291.000
11	2	53.000	17.000000	1860.000	---	689.000
12	1	80.600	17.000000	---	---	628.000
13	3	67.000	17.000000	1382.000	1724.000	487.000
14	2	67.300	17.000000	1895.000	---	682.000
15	2	63.100	17.000000	1171.000	---	343.000
16	2	79.400	17.000000	1369.000	---	186.000

Detailed Results for Radar Type 5_Trial 19

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	97.100	19.000000	1539.000	---	378.000
2	2	62.500	19.000000	1931.000	---	586.000
3	3	85.200	19.000000	1860.000	942.000	473.000
4	2	57.800	19.000000	1401.000	---	394.000
5	1	72.100	19.000000	---	---	254.000
6	1	92.700	19.000000	---	---	242.000
7	2	56.200	19.000000	1405.000	---	411.000
8	3	54.300	19.000000	1382.000	1712.000	591.000
9	3	88.200	19.000000	1026.000	1680.000	17.000
10	3	68.200	19.000000	1051.000	1804.000	269.000
11	2	91.600	19.000000	1080.000	---	315.000
12	2	94.700	19.000000	1056.000	---	501.000
13	2	60.900	19.000000	1566.000	---	227.000
14	2	57.700	19.000000	1345.000	---	332.000
15	2	80.500	19.000000	1002.000	---	131.000
16	1	78.700	19.000000	---	---	51.000
17	2	95.800	19.000000	1851.000	---	346.000
18	3	74.500	19.000000	1430.000	1097.000	108.000
19	3	65.700	19.000000	1155.000	1430.000	508.000

Detailed Results for Radar Type 5_Trial 20

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	74.800	8.000000	1894.000	---	41.000
2	2	95.100	8.000000	1815.000	---	443.000
3	1	95.500	8.000000	---	---	663.000
4	2	87.500	8.000000	1259.000	---	156.000
5	3	86.300	8.000000	947.000	1761.000	185.000
6	1	90.900	8.000000	---	---	246.000
7	2	51.800	8.000000	1879.000	---	166.000
8	1	92.100	8.000000	---	---	203.000
9	3	83.800	8.000000	1477.000	1851.000	570.000
10	1	51.500	8.000000	---	---	48.000
11	1	60.400	8.000000	---	---	1.000
12	3	95.800	8.000000	934.000	1424.000	382.000
13	2	79.200	8.000000	1808.000	---	537.000
14	3	79.500	8.000000	1300.000	1192.000	323.000
15	1	83.200	8.000000	---	---	343.000
16	2	98.800	8.000000	1791.000	---	560.000
17	2	50.800	8.000000	1866.000	---	659.000

Detailed Results for Radar Type 5_Trial 21

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	52.300	11.000000	1799.000	1297.000	737.000
2	3	53.600	11.000000	1397.000	1860.000	189.000
3	1	59.200	11.000000	---	---	495.000
4	3	54.300	11.000000	1885.000	1319.000	152.000
5	1	75.600	11.000000	---	---	76.000
6	1	52.900	11.000000	---	---	190.000
7	1	97.700	11.000000	---	---	195.000
8	2	50.200	11.000000	1276.000	---	604.000
9	3	95.000	11.000000	1526.000	1582.000	267.000
10	3	77.500	11.000000	1494.000	1729.000	842.000
11	1	66.900	11.000000	---	---	144.000
12	2	96.100	11.000000	1441.000	---	435.000
13	3	62.500	11.000000	1037.000	1474.000	262.000
14	2	53.100	11.000000	1278.000	---	525.000

Detailed Results for Radar Type 5_Trial 22

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	77.900	16.000000	1250.000	---	478.000
2	2	69.500	16.000000	1007.000	---	962.000
3	2	74.500	16.000000	1631.000	---	657.000
4	1	93.900	16.000000	---	---	564.000
5	2	55.400	16.000000	949.000	---	59.000
6	3	50.400	16.000000	1162.000	1396.000	565.000
7	1	68.600	16.000000	---	---	732.000
8	3	88.700	16.000000	1750.000	1835.000	872.000
9	2	54.900	16.000000	1869.000	---	32.000
10	3	51.000	16.000000	970.000	1344.000	750.000
11	3	86.500	16.000000	1599.000	1682.000	364.000

Detailed Results for Radar Type 5_Trial 23

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	93.000	5.000000	1554.000	1785.000	287.000
2	1	83.900	5.000000	---	---	719.000
3	1	58.600	5.000000	---	---	22.000
4	2	51.600	5.000000	1301.000	---	508.000
5	2	86.000	5.000000	971.000	---	394.000
6	2	52.400	5.000000	1014.000	---	126.000
7	2	81.600	5.000000	1650.000	---	756.000
8	2	73.500	5.000000	1428.000	---	653.000
9	1	58.900	5.000000	---	---	761.000
10	1	93.500	5.000000	---	---	118.000
11	2	90.600	5.000000	1774.000	---	108.000
12	2	58.400	5.000000	1448.000	---	740.000
13	2	89.100	5.000000	1406.000	---	689.000
14	2	73.900	5.000000	1071.000	---	160.000
15	1	61.700	5.000000	---	---	172.000

Detailed Results for Radar Type 5_Trial 24

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	50.800	18.000000	1595.000	---	21.000
2	2	52.000	18.000000	1563.000	---	729.000
3	2	58.800	18.000000	1384.000	---	15.000
4	2	79.700	18.000000	979.000	---	261.000
5	1	69.500	18.000000	---	---	533.000
6	2	98.900	18.000000	1015.000	---	493.000
7	2	82.800	18.000000	1634.000	---	218.000
8	1	70.100	18.000000	---	---	1102.000
9	2	89.200	18.000000	1357.000	---	524.000

Detailed Results for Radar Type 5_Trial 25

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	76.300	6.000000	1673.000	1870.000	757.000
2	1	85.600	6.000000	---	---	712.000
3	2	87.400	6.000000	1495.000	---	427.000
4	2	67.800	6.000000	1430.000	---	153.000
5	1	80.900	6.000000	---	---	197.000
6	1	80.300	6.000000	---	---	160.000
7	3	86.500	6.000000	1329.000	1212.000	509.000
8	1	96.300	6.000000	---	---	828.000
9	1	80.800	6.000000	---	---	306.000
10	2	74.900	6.000000	1636.000	---	609.000
11	3	60.400	6.000000	1278.000	1394.000	269.000
12	3	57.300	6.000000	1719.000	999.000	826.000
13	2	64.800	6.000000	1378.000	---	41.000
14	2	66.600	6.000000	933.000	---	631.000

Detailed Results for Radar Type 5_Trial 26

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	53.400	13.000000	1343.000	1742.000	651.000
2	1	57.300	13.000000	---	---	857.000
3	1	61.900	13.000000	---	---	567.000
4	3	60.500	13.000000	1355.000	1499.000	847.000
5	1	62.000	13.000000	---	---	1014.000
6	2	94.800	13.000000	1584.000	---	512.000
7	1	64.300	13.000000	---	---	992.000
8	3	93.200	13.000000	1157.000	1861.000	285.000
9	3	56.000	13.000000	1813.000	1900.000	1189.000
10	2	79.100	13.000000	1234.000	---	1006.000

Detailed Results for Radar Type 5_Trial 27

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	68.600	13.000000	1614.000	---	278.000
2	3	78.700	13.000000	1230.000	1429.000	455.000
3	2	72.000	13.000000	1581.000	---	173.000
4	2	75.600	13.000000	977.000	---	212.000
5	2	65.500	13.000000	1725.000	---	589.000
6	2	55.000	13.000000	1600.000	---	3.000
7	1	57.000	13.000000	---	---	642.000
8	2	70.100	13.000000	1454.000	---	556.000
9	2	52.700	13.000000	1212.000	---	448.000
10	3	61.200	13.000000	1845.000	1035.000	543.000
11	2	98.000	13.000000	1740.000	---	298.000
12	2	56.300	13.000000	1488.000	---	3.000
13	3	74.200	13.000000	1454.000	1697.000	589.000
14	1	91.600	13.000000	---	---	282.000
15	3	70.600	13.000000	1578.000	1218.000	414.000

Detailed Results for Radar Type 5_Trial 28

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	3	75.600	14.000000	1717.000	1819.000	814.000
2	2	87.500	14.000000	1850.000	---	108.000
3	1	69.100	14.000000	---	---	310.000
4	2	55.800	14.000000	972.000	---	0.000
5	1	90.600	14.000000	---	---	277.000
6	2	87.800	14.000000	1808.000	---	20.000
7	1	74.000	14.000000	---	---	35.000
8	3	94.800	14.000000	1120.000	938.000	554.000
9	2	57.200	14.000000	1619.000	---	141.000
10	1	56.000	14.000000	---	---	595.000
11	2	99.500	14.000000	1143.000	---	262.000
12	2	66.500	14.000000	1675.000	---	557.000

Detailed Results for Radar Type 5_Trial 29

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	59.500	11.000000	1738.000	---	660.000
2	1	57.000	11.000000	---	---	796.000
3	2	54.400	11.000000	1891.000	---	779.000
4	2	97.500	11.000000	1566.000	---	298.000
5	3	52.000	11.000000	1941.000	1472.000	201.000
6	1	62.500	11.000000	---	---	211.000
7	2	79.100	11.000000	1016.000	---	30.000
8	2	98.600	11.000000	927.000	---	485.000
9	2	52.900	11.000000	1814.000	---	328.000
10	2	64.600	11.000000	1644.000	---	339.000
11	3	75.300	11.000000	1710.000	1296.000	500.000
12	1	74.200	11.000000	---	---	451.000
13	1	58.400	11.000000	---	---	160.000
14	1	97.500	11.000000	---	---	573.000

Detailed Results for Radar Type 5_Trial 30

Burst	No. of Pulses	Pulse Width (µs)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µs)	Pulse 2-to-3 Spacing (µs)	Starting Location Within Interval (µs)
1	2	77.400	20.000000	1666.000	---	613.000
2	3	99.600	20.000000	1128.000	1195.000	1083.000
3	3	95.100	20.000000	1506.000	1563.000	362.000
4	1	84.300	20.000000	---	---	319.000
5	3	88.900	20.000000	1568.000	1152.000	604.000
6	2	69.200	20.000000	995.000	---	451.000
7	2	81.400	20.000000	1689.000	---	791.000
8	2	88.500	20.000000	1286.000	---	359.000
9	3	70.600	20.000000	1189.000	1825.000	241.000
10	3	56.000	20.000000	1217.000	1783.000	317.000

Detailed Results for Radar Type 6

Trial Number	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	1.000	300.000	9	YES	
2	1.000	300.000	9	YES	
3	1.000	300.000	9	YES	
4	1.000	300.000	9	YES	
5	1.000	300.000	9	YES	
6	1.000	300.000	9	YES	
7	1.000	300.000	9	YES	
8	1.000	300.000	9	YES	
9	1.000	300.000	9	YES	
10	1.000	300.000	9	YES	
11	1.000	300.000	9	YES	
12	1.000	300.000	9	YES	
13	1.000	300.000	9	YES	
14	1.000	300.000	9	YES	
15	1.000	300.000	9	YES	
16	1.000	300.000	9	YES	
17	1.000	300.000	9	YES	
18	1.000	300.000	9	YES	
19	1.000	300.000	9	YES	
20	1.000	300.000	9	YES	
21	1.000	300.000	9	YES	
22	1.000	300.000	9	YES	
23	1.000	300.000	9	YES	
24	1.000	300.000	9	YES	
25	1.000	300.000	9	YES	
26	1.000	300.000	9	YES	
27	1.000	300.000	9	YES	
28	1.000	300.000	9	YES	
29	1.000	300.000	9	YES	
30	1.000	300.000	9	YES	

Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-64	dBm
Vector Generator level setting	-26.98	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	36.02	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-63.00	dBm

Settings for Radar Type 1 to 4

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	12.000 s	12.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	1.000 s	1.000 s

Settings for Long Pulse Radar Type 5 (Simulated)

Setting	Instrument Value	Target Value
Center Frequency	0.00000 Hz	0.00000 Hz
Span	0.000 Hz	0.000 Hz
RBW	0.000 Hz	~ 0.000 Hz
VBW	0.000 Hz	~ 0.000 Hz
SweepPoints	0	~ 0
Sweeptime	0.000 s	0.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	RMS	RMS
SweepCount	0	0
Filter	3 dB	3 dB
Trace Mode		~
Sweeptype	AUTO	AUTO
Preamp	off	off

Settings for Freq. Hopping Radar Type 6 (Simulated)

Setting	Instrument Value	Target Value
Center Frequency	0.00000 Hz	0.00000 Hz
Span	0.000 Hz	0.000 Hz
RBW	0.000 Hz	~ 0.000 Hz
VBW	0.000 Hz	~ 0.000 Hz
SweepPoints	0	~ 0
Sweeptime	0.000 s	0.000 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	RMS	RMS
SweepCount	0	0
Filter	3 dB	3 dB
Trace Mode		~
Sweeptype	AUTO	AUTO
Preamp	off	off

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	12.000 s	12.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	30000000	30000000
Time resolution	4.000 µs	4.000 µs
Detector	Peak	Peak