



Product Service

ICES Test Report

Project Number : 4842022319300 Date of Issue: September 16, 2022

Model / Serial No. : DCAM560C Pro, DCAM560C Lite

Product Type : TOF CAMERA

Applicant : Qingdao Vzense Technology Co., Ltd.

Manufacturer : Qingdao Vzense Technology Co., Ltd.

License holder : Qingdao Vzense Technology Co., Ltd.

Address : 3 Building, Qingdao Research Institute of Beihang University, No. 393
Songling Road, Laoshan District, 266100 Qingdao, Shandong,
PEOPLE'S REPUBLIC OF CHINA

Test Result : ☒ Positive ☐ Negative

Total pages : 43

Date of Test : August 05, 2022 – August 20, 2022

Prepared by :

Approved by :



Product Service

TABLE OF CONTENTS

Description	Page
1. Test Facility	3
2. EUT Information	4
3. Test Summary	6
4. Conducted Emission	7
5. Radiated Emission	18
6. EUT Photograph	38

1. Test Facility

Test Site: TÜV SÜD Certification and Testing (China) Co., Ltd.
10 Huaxia M. Road, Wuxi, Jiangsu, 214100, P.R. China

FCC Registration Number: 767285

TÜV SÜD Certification and Testing (China) Co., Ltd. is an accredited test laboratory, whose measurement data is accepted in conjunction with applications for certifications under part 15 or 18 of the Commission's rules.

Ambient Condition in laboratory:

Items	Test	Required(IEC68-1)	Actual
Temperature(°C)	ANSI.C 63.4 CE	15-35	24-25°C
Humidity (%)		25-75	30-38%
Atmospheric Pressure(mbar)		860-1060	1020-1021 mBar
Temperature(°C)	ANSI.C 63.4 RE	15-35	23-24C
Humidity (%)		25-75	30-40%
Atmospheric Pressure(mbar)		860-1060	1018-1019 mBar



Product Service

2. EUT Information

2.1. EUT Description

Product Type	:	TOF CAMERA
Model / Serial No.	:	DCAM560C Pro, DCAM560C Lite
EUT Voltage	:	12-24V d.c. (with power supply 120V/60Hz)

2.2. EUT Configuration

Configuration	:	Keep EUT monitoring, measuring distance, Power supply by Delipo D08120030
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2.3. EUT Operating Mode

The equipment under test was operated under the following conditions during emissions testing:

- ☐ - Standby
 - ☐ - Test Program (H - Pattern)
 - ☐ - Test Program (Color Bar)
 - ☐ - Test Program (Customer Specified)
 - ☒ - Normal Operating Mode
 - ☒ - Power on (Normal operation)
-



Product Service

2.4. Peripheral devices and interface cables were connected during the testing:

- | | |
|-----------------------------------|----------------------------|
| ☐ - Laptop | Type : Dell Latitude E5470 |
| ☐ - _____ | Type : _____ |
| ☐ - _____ | Type : _____ |
| ☐ - _____ | Type : _____ |

2.5. EUT Exercise Software

None

2.6. EUT Modification

None

3. Test Summary

Test	Specification	Test Result	Remark
Conducted Emission	ICES 003, Issue 7, 3.2.1	Complied	Refer to page 7-17
Radiated Emission	ICES 003, Issue 7, 3.2.2	Complied	Refer to page 18-38

Remarks:

The highest work frequency is 1GHz which is above 108MHz, so the radiated emission range is up to 18GHz.

This is a Class A equipment. Operation of this equipment in a residential environment could cause radio interference.

All tests were performed on the model DCAM560C Pro, DCAM560C Lite.



Product Service

4. Conducted Emission

4.1 Test Equipment

The following test Equipment are used:

	Model Number	Manufacturer	Description	Calibration Date	Interval(year)
■ -	ESHS30	Rohde & Schwarz	EMI Test Receiver	2022.5.6	1
■ -	NSLK8127	Schwarzbeck	LISN	2021.12.3	1

4.2 Test Specification

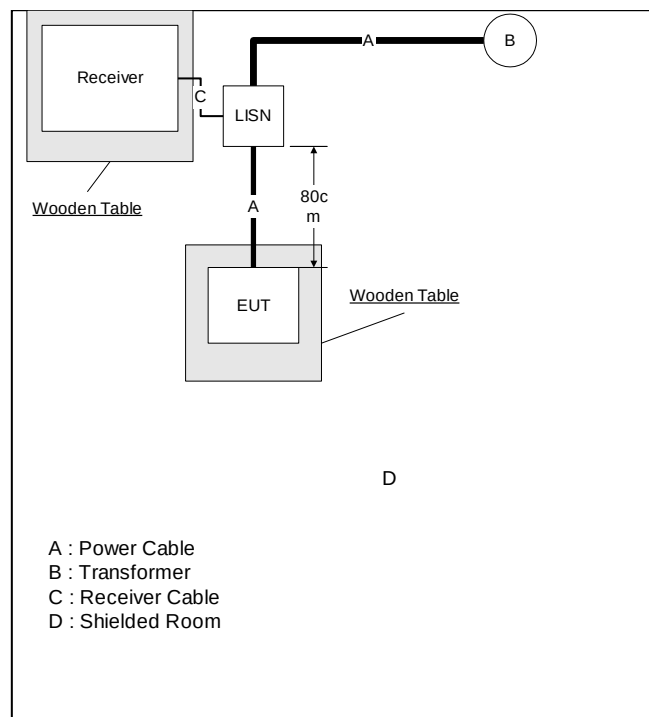
Tests are performed according to ICES-003, Issue 7, subpart B. Limit as below:

ICES-003, Issue 7 - Table 1 - Limits (dBμV)				
Frequency (MHz)	Class A		Class B	
	QP	AV	QP	AV
0.15-0.5	79	66	66-56	56-46
0.5-5.0	73	60	56	46
5.0-30	73	60	60	50

4.3 Test Procedure

The test is performed in shield room. EUT is placed on the table which is 80cm above ground plane and connected to a line Impedance Stabilization Network (LISN). The conducted emission is scanned over the frequency from 150KHz to 30MHz with peak detector. A final measurement is performed with quasi-peak detector and average detector. IF bandwidth is 9KHz.

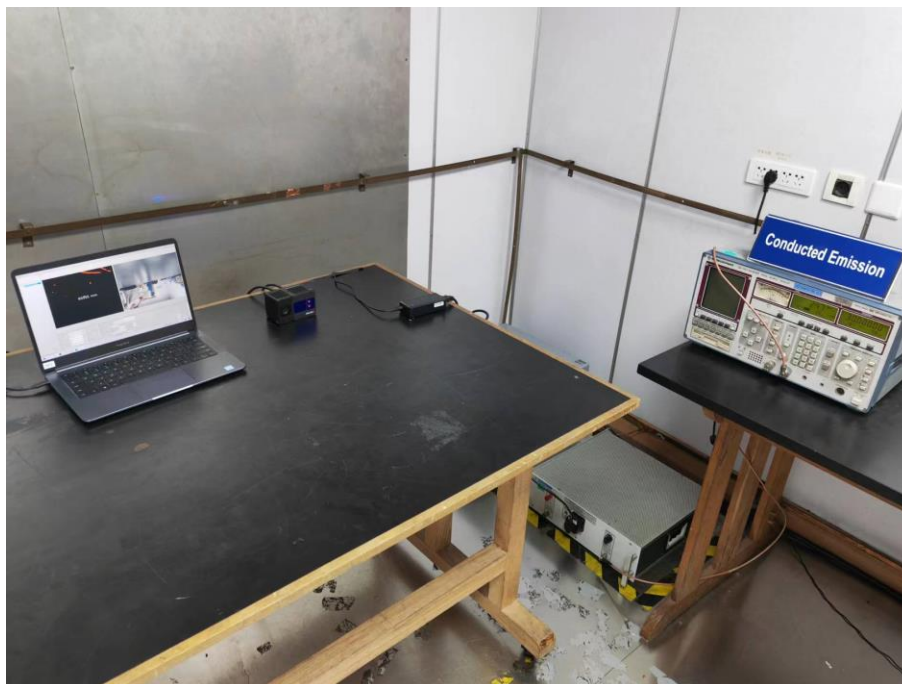
4.4 Test Setup





Product Service

4.5 Test Photo





Product Service

4.6 Test Result

150kHz-30MHz Conducted Emission Test

DCAM560C Pro

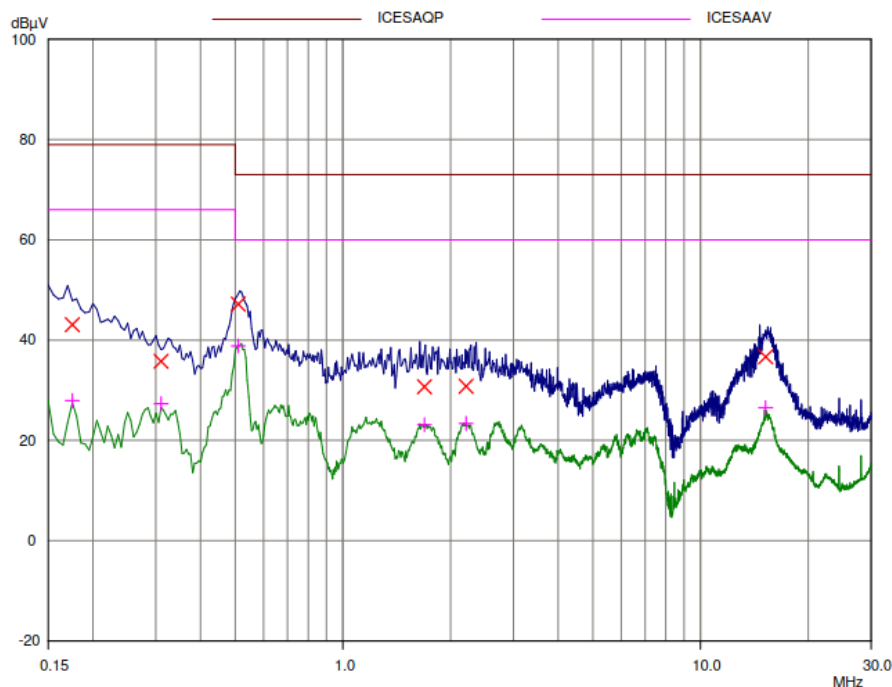
EUT: ToF Camera
Manuf: Qingdao Vzense Technology Co.,Ltd
Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
Operator: Tianshuo Yuan
Test Spec: ICES-003 Class A
Comment: Phase L
sample no:WUX-0667548-3
Result File: pro120L.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X QP / + AV
Meas Time: 1sec
Subranges: 16
Acc Margin: 8 dB





Product Service

150kHz-30MHz Conducted Emission Test DCAM560C Pro

EUT: ToF Camera
 Manuf: Qingdao Vzense Technology Co.,Ltd
 Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
 Operator: Tianshuo Yuan
 Test Spec: ICES-003 Class A
 Comment: Phase L
 sample no:WUX-0667548-3
 Result File: pro120L.dat : New Measurement

Scan Settings		(2 Ranges)		Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge	
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB	
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB	

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X QP / + AV
 Meas Time: 1sec
 Subranges: 16
 Acc Margin: 8 dB

Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.175	43.08	79.00	35.92
0.31	35.78	79.00	43.22
0.51	47.18	73.00	25.82
1.69	30.70	73.00	42.30
2.21	30.80	73.00	42.20
15.19	36.66	73.00	36.34

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.175	27.92	66.00	38.08
0.31	27.31	66.00	38.69
0.51	38.81	60.00	21.19
1.69	23.11	60.00	36.89
2.21	23.36	60.00	36.64
15.19	26.52	60.00	33.48

* limit exceeded



Product Service

150kHz-30MHz Conducted Emission Test

DCAM560C Pro

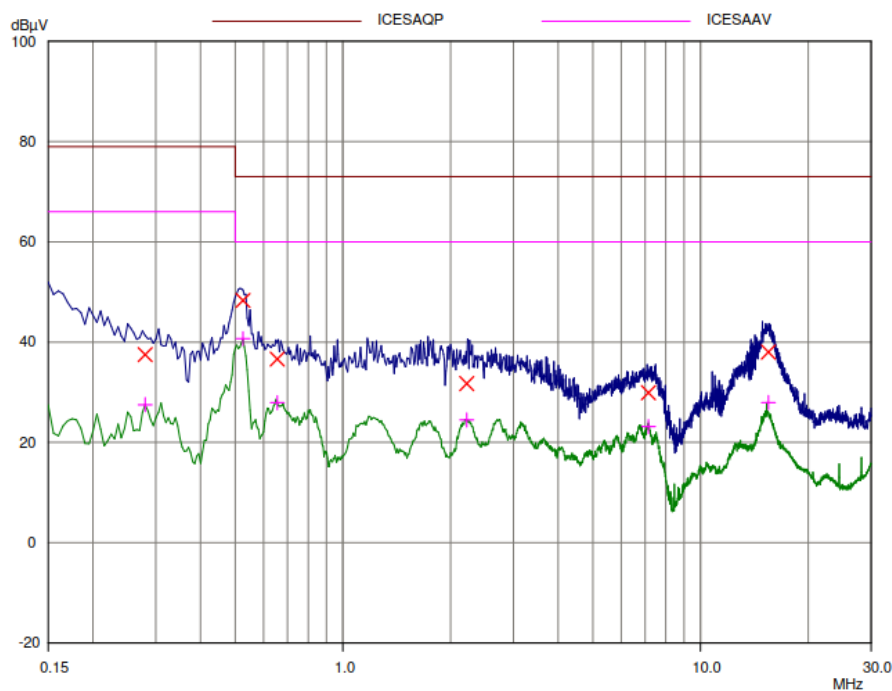
EUT: ToF Camera
Manuf: Qingdao Vzense Technology Co.,Ltd
Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
Operator: Tianshuo Yuan
Test Spec: ICES-003 Class A
Comment: Phase N
sample no:WUX-0667548-3
Result File: pro120N.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X OP / + AV
Meas Time: 1sec
Subranges: 16
Acc Margin: 8 dB





Product Service

150kHz-30MHz Conducted Emission Test

DCAM560C Pro

EUT: ToF Camera
 Manuf: Qingdao Vzense Technology Co.,Ltd
 Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
 Operator: Tianshuo Yuan
 Test Spec: ICES-003 Class A
 Comment: Phase N
 sample no:WUX-0667548-3
 Result File: pro120N.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X QP / + AV
 Meas Time: 1sec
 Subranges: 16
 Acc Margin: 8 dB

Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.28	37.48	79.00	41.52
0.525	48.30	73.00	24.70
0.655	36.60	73.00	36.40
2.22	31.72	73.00	41.28
7.15	29.90	73.00	43.10
15.47	38.00	73.00	35.00

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.28	27.51	66.00	38.49
0.525	40.67	60.00	19.33
0.655	27.91	60.00	32.09
2.22	24.47	60.00	35.53
7.15	23.13	60.00	36.87
15.47	27.95	60.00	32.05

* limit exceeded



Product Service

150kHz-30MHz Conducted Emission Test

DCAM560C Lite

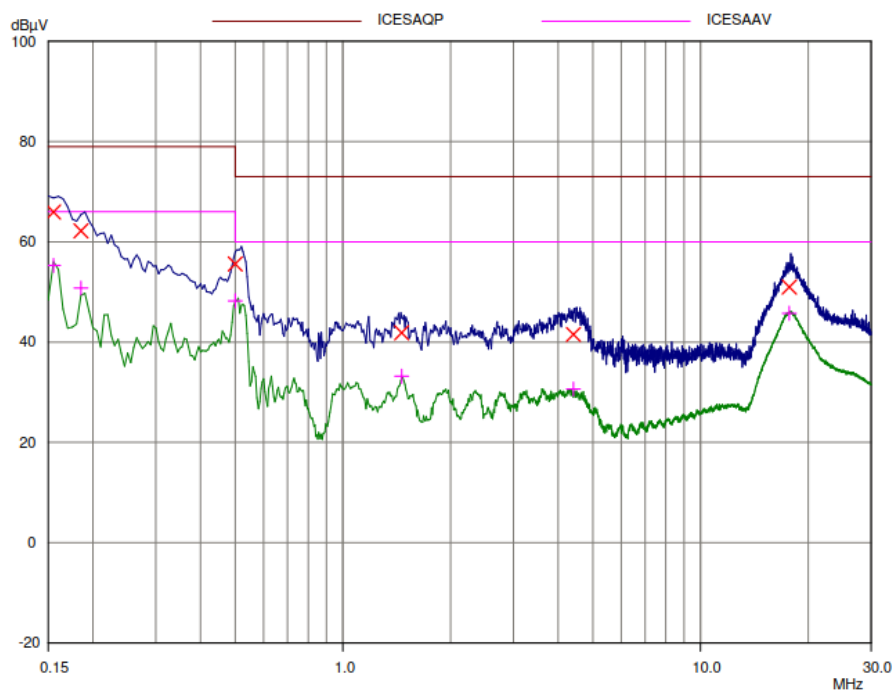
EUT: ToF Camera
Manuf: Qingdao Vzense Technology Co.,Ltd
Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
Operator: Tianshuo Yuan
Test Spec: ICES-003 Class A
Comment: Phase L
sample no:WUX-0667548-2
Result File: lite120L.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X OP / + AV
Meas Time: 1sec
Subranges: 16
Acc Margin: 8 dB





Product Service

150kHz-30MHz Conducted Emission Test

DCAM560C Lite

EUT: ToF Camera
 Manuf: Qingdao Vzense Technology Co.,Ltd
 Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
 Operator: Tianshuo Yuan
 Test Spec: ICES-003 Class A
 Comment: Phase L
 sample no:WUX-0667548-2
 Result File: lite120L.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X QP / + AV
 Meas Time: 1sec
 Subranges: 16
 Acc Margin: 8 dB

Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.155	65.94	79.00	13.06
0.185	62.16	79.00	16.84
0.5	55.58	73.00	17.42
1.46	41.86	73.00	31.14
4.41	41.52	73.00	31.48
17.7	50.97	73.00	22.03

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.155	55.29	66.00	10.71
0.185	50.78	66.00	15.22
0.5	48.23	60.00	11.77
1.46	33.19	60.00	26.81
4.41	30.65	60.00	29.35
17.7	45.76	60.00	14.24

* limit exceeded



Product Service

150kHz-30MHz Conducted Emission Test DCAM560C Lite

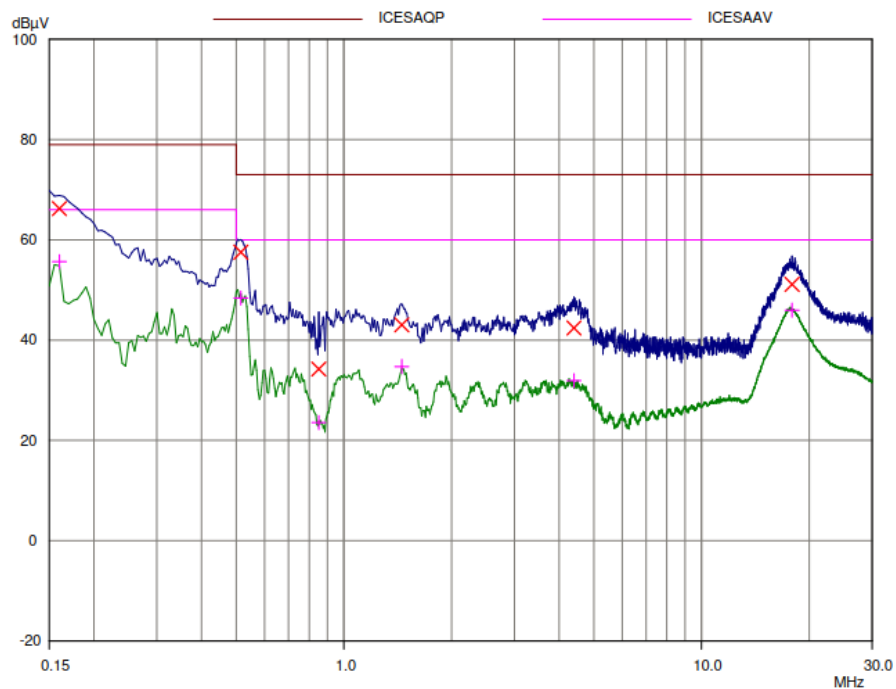
EUT: ToF Camera
Manuf: Qingdao Vzense Technology Co.,Ltd
Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
Operator: Tianshuo Yuan
Test Spec: ICES-003 Class A
Comment: Phase N
sample no:WUX-0667548-2
Result File: lite120N.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X OP / + AV
Meas Time: 1sec
Subranges: 16
Acc Margin: 8 dB





Product Service

150kHz-30MHz Conducted Emission Test

DCAM560C Lite

EUT: ToF Camera
 Manuf: Qingdao Vzense Technology Co.,Ltd
 Op Cond: Power on, AC 120V 60Hz; T22.9,H55.9%,1003.3hPa
 Operator: Tianshuo Yuan
 Test Spec: ICES-003 Class A
 Comment: Phase N
 sample no:WUX-0667548-2
 Result File: lite120N.dat : New Measurement

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	1000kHz	5kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB
1000kHz	30MHz	10kHz	10kHz	PK+AV	20msec	Auto	OFF	60dB

Transducer	No.	Start	Stop	Name
	1	9kHz	30MHz	NSLK8127

Final Measurement: Detectors: X QP / + AV
 Meas Time: 1sec
 Subranges: 16
 Acc Margin: 8 dB

Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.16	66.22	79.00	12.78
0.515	57.54	73.00	15.46
0.85	34.22	73.00	38.78
1.45	43.04	73.00	29.96
4.4	42.42	73.00	30.58
17.9	51.11	73.00	21.89

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.16	55.65	66.00	10.35
0.515	48.39	60.00	11.61
0.85	23.56	60.00	36.44
1.45	34.73	60.00	25.27
4.4	31.91	60.00	28.09
17.9	45.97	60.00	14.03

* limit exceeded

5. Radiated Emission

5.1 Test Equipment

The following test Equipment are used:

	Model Number	Manufacturer	Description	Calibration Date	Interval(year)
■ -	ESCI	Rohde & Schwarz	EMI Test Receiver	2022.5.6	1
■ -	VULB9168	Schwarzbeck	Bilog Antenna	2022.6.27	1
■ -	ESW8	Rohde & Schwarz	EMI Test Receiver	2022.5.6	1
■ -	3115	ETS	Horn antenna	2021.12.5	1
■ -	--	Jinlida	3m Semi-anechoic Chamber	N/A	N/A
■ -	--	TDK	10m Semi-anechoic Chamber	N/A	N/A

5.2 Test Specification

Tests are performed according to ICES-003, Issue 7. Limit as below:

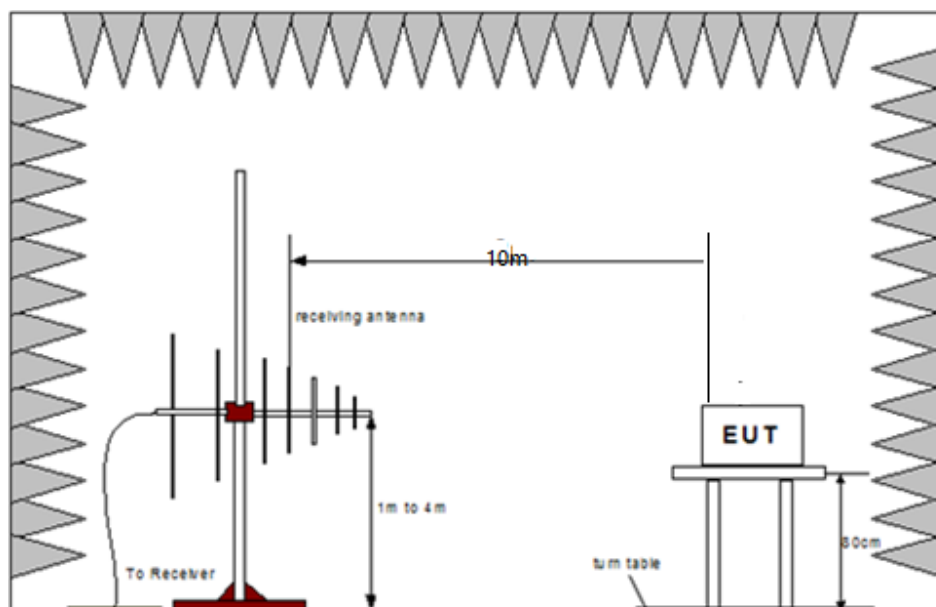
ICES-003, Issue 7 - Table 2 & Table 4 - Limits (dB μ V/m)				
Frequency (MHz)	Class A		Class B	
	Distance	QP	Distance	QP
30-88	10m or 3m	40 or 50	10m or 3m	30 or 40
88-216	10m or 3m	43.5 or 54	10m or 3m	33.1 or 43.5
216-230	10m or 3m	46.4 or 56.9	10m or 3m	35.6 or 46
230-960	10m or 3m	47 or 57	10m or 3m	37 or 47
960-1000	10m or 3m	49.5 or 60	10m or 3m	43.5 or 54
Frequency (MHz)	Class A		Class B	
	Distance	PK/AV	Distance	PK/AV
Above 1000	3m	80/60	3m	74/54

5.3 Test Procedure

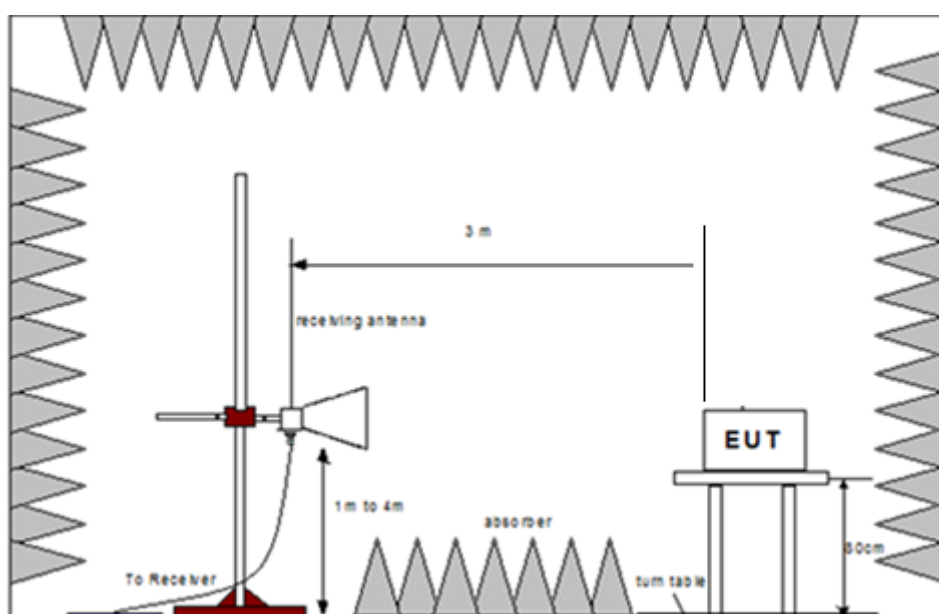
The EUT is placed on a turntable which is 80cm above ground plane. The turn table rotates 360 degrees and antenna moves up and down between 1m and 4 m to find maximum emission. Both horizontal and vertical polarizations of antenna are set in the measurement. For class A equipment, the EUT is positioned at 10m away from antenna and for class B equipment, the EUT is positioned at 3m away from antenna

Test Setup

30MHz-1000MHz



1GHz-18GHz

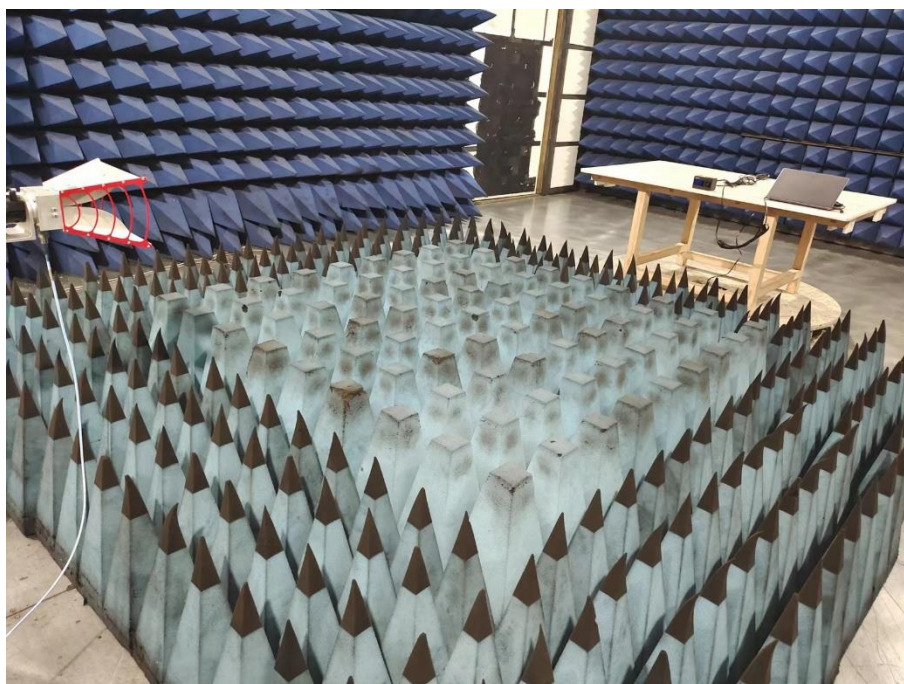


5.4 Test Photo

30 MHz to 1GHz



1GHz to 18 GHz





Product Service

Test Result

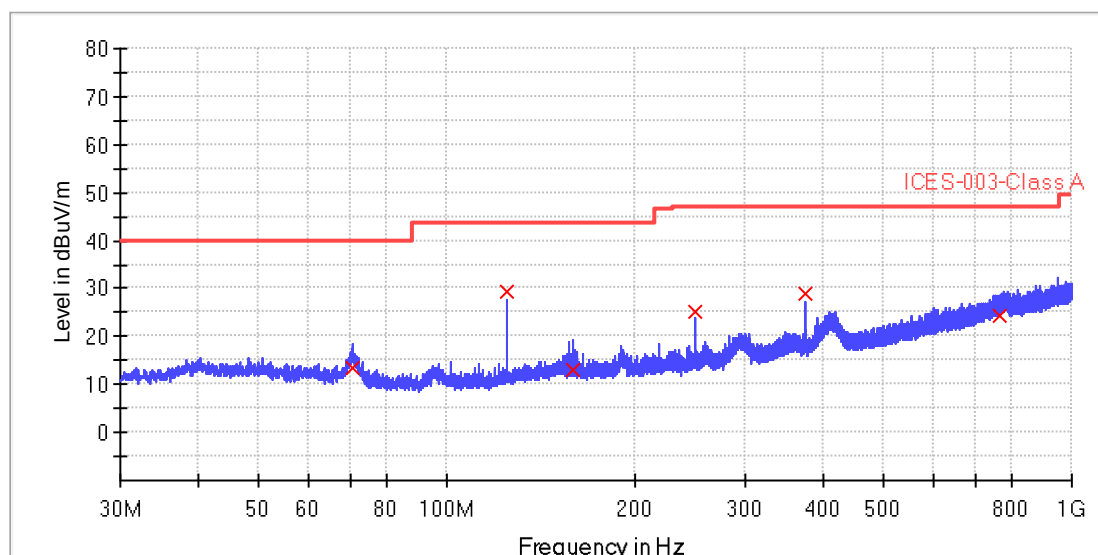
Common Information

Test Description: 30-1000MHz Radiated Emission
EUT: ToF Camera
Model: DCAM560C Pro
Client: Qingdao Vzense Technology Co.,Ltd.
Operating Conditions: Power on,normal operation
Operator Name: Zheng Xu
Input: AC 120V 60Hz
Sample No.: 667548-3
Test Standard: ICES-003
Comment: Horizontal
Comment: Temp.: 25.6°C, Humi.: 58.2%, Atm.:1002.8hPa

Scan Setup: ICES-003-CLASSA [EMI radiated]

Hardware Setup: 30-1g
Receiver: [ESU 8]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1 GHz	40 kHz	PK+	120 kHz	.001 s	0 dB





Product Service

Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - QPK	Limit - QPK
70.600000	13.6	1000.0	400.0	108.6	26.5	40.0
125.000000	29.3	1000.0	400.0	239.5	14.3	43.5
158.640000	13.1	1000.0	400.0	121.3	30.4	43.5
250.000000	25.2	1000.0	400.0	201.5	21.8	47.0
375.000000	28.9	1000.0	400.0	208.3	18.1	47.0
764.600000	24.3	1000.0	400.0	119.3	22.7	47.0



Product Service

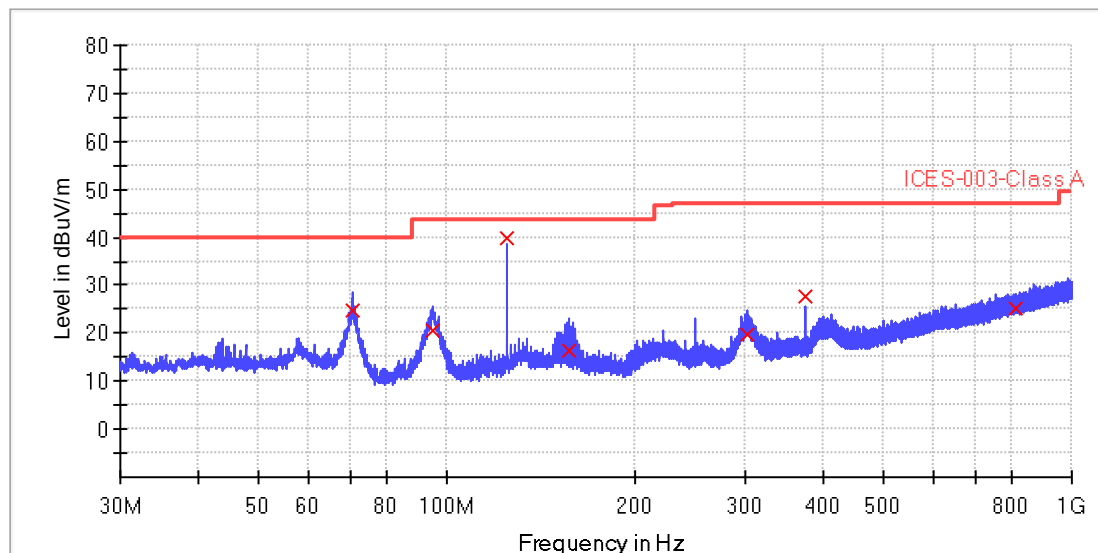
Common Information

Test Description: 30-1000MHz Radiated Emission
EUT: ToF Camera
Model: DCAM560C Pro
Client: Qingdao Vzense Technology Co.,Ltd.
Operating Conditions: Power on,normal operation
Operator Name: Zheng Xu
Input: AC 120V 60Hz
Sample No.: 667548-3
Test Standard: ICES-003
Comment: Vertical
Comment: Temp.: 25.6°C, Humi.: 58.2%, Atm.:1002.8hPa

Scan Setup: ICES-003-CLASSA [EMI radiated]

Hardware Setup: 30-1g
Receiver: [ESU 8]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1 GHz	40 kHz	PK+	120 kHz	.001 s	0 dB





Product Service

Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - QPK	Limit - QPK
70.680000	24.8	1000.0	100.0	238.1	15.2	40.0
94.840000	20.7	1000.0	100.0	194.8	22.8	43.5
125.000000	39.6	1000.0	100.0	178.3	3.9	43.5
156.600000	16.3	1000.0	100.0	123.9	27.2	43.5
301.840000	19.6	1000.0	100.0	185.7	27.4	47.0
375.000000	27.9	1000.0	100.0	134.4	19.1	47.0
814.600000	25.0	1000.0	100.0	169.9	22.0	47.0



Product Service

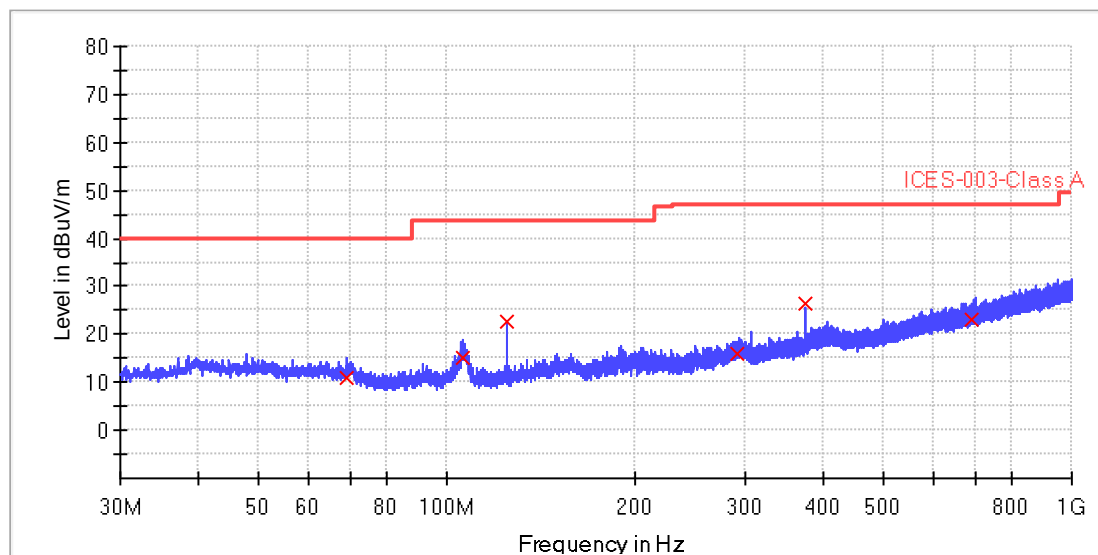
Common Information

Test Description: 30-1000MHz Radiated Emission
EUT: ToF Camera
Model: DCAM560C Lite
Client: Qingdao Vzense Technology Co.,Ltd.
Operating Conditions: Power on,normal operation
Operator Name: Zheng Xu
Input: AC 120V 60Hz
Sample No.: 667548-2
Test Standard: ICES-003
Comment: Horizontal
Comment: Temp.: 25.6°C, Humi.: 58.2%, Atm.:1002.8hPa

Scan Setup: ICES-003-CLASSA [EMI radiated]

Hardware Setup: 30-1g
Receiver: [ESU 8]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1 GHz	40 kHz	PK+	120 kHz	.001 s	0 dB





Product Service

Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - QPK	Limit - QPK
69.040000	10.7	1000.0	400.0	175.5	29.3	40.0
106.160000	15.3	1000.0	400.0	104.9	28.3	43.5
125.000000	22.5	1000.0	400.0	185.2	21.0	43.5
291.800000	15.8	1000.0	400.0	213.8	31.2	47.0
375.000000	26.5	1000.0	400.0	95.1	20.5	47.0
691.760000	23.0	1000.0	400.0	235.5	24.0	47.0



Product Service

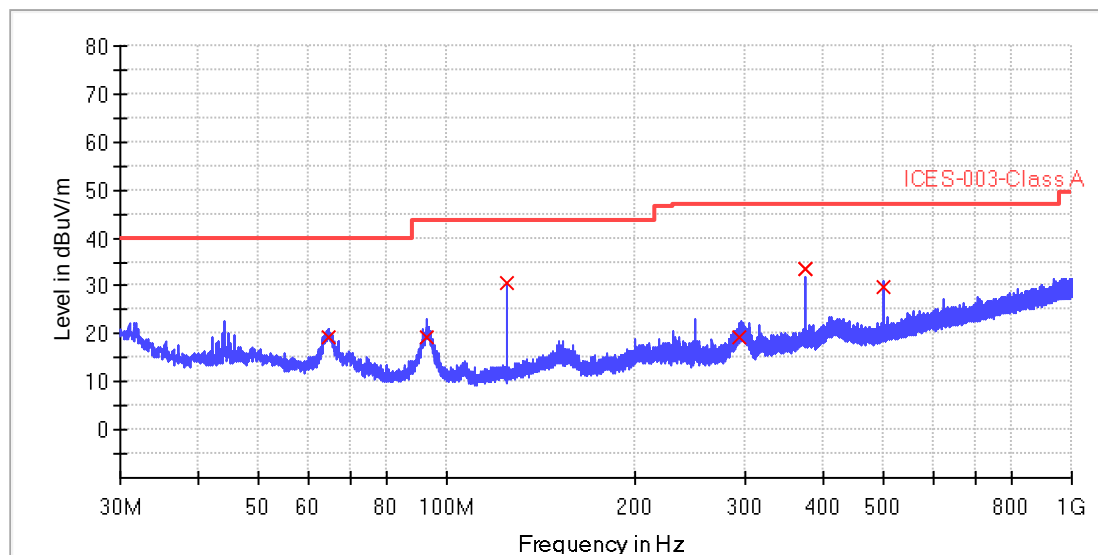
Common Information

Test Description: 30-1000MHz Radiated Emission
EUT: ToF Camera
Model: DCAM560C Lite
Client: Qingdao Vzense Technology Co.,Ltd.
Operating Conditions: Power on,normal operation
Operator Name: Zheng Xu
Input: AC 120V 60Hz
Sample No.: 667548-2
Test Standard: ICES-003
Comment: Vertical
Comment: Temp.: 25.6°C, Humi.: 58.2%, Atm.:1002.8hPa

Scan Setup: ICES-003-CLASSA [EMI radiated]

Hardware Setup: 30-1g
Receiver: [ESU 8]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamplifier
30 MHz - 1 GHz	40 kHz	PK+	120 kHz	.001 s	0 dB





Product Service

Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - QPK	Limit - QPK
64.640000	19.2	1000.0	100.0	198.3	20.8	40.0
93.040000	19.3	1000.0	100.0	240.9	24.2	43.5
125.000000	30.6	1000.0	100.0	230.6	12.9	43.5
293.560000	19.3	1000.0	100.0	189.5	27.7	47.0
375.000000	33.4	1000.0	100.0	179.5	13.6	47.0
500.000000	29.6	1000.0	100.0	116.7	17.4	47.0

Common Information

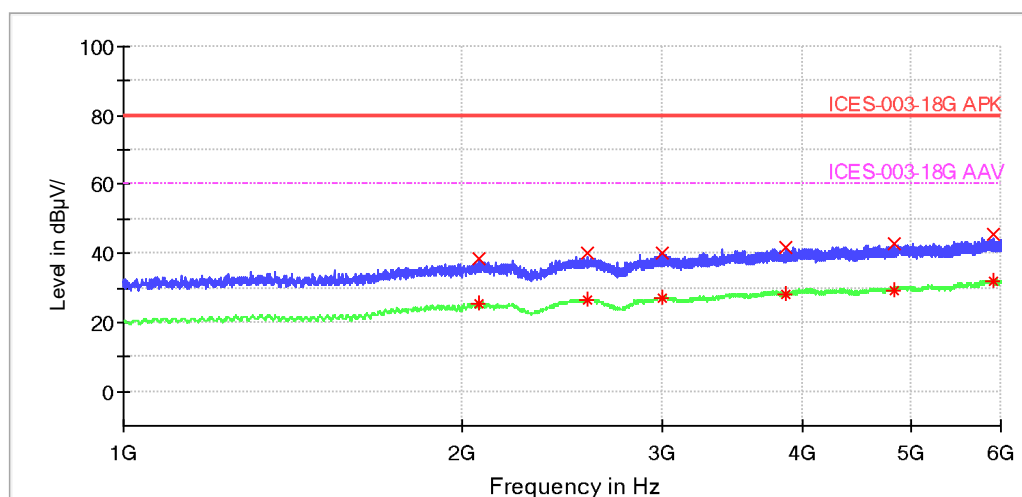
Test Description: 1-6GHz Radiated Emission
EUT Name: ToF Camera
Model: DCAM560C Pro
Client: Qingdao Vzense Technology Co.,Ltd.
Op Cond: Power on AC120V/60Hz-DC12V Normal operation
Operator: Jie Wu
Test Spec: ICES
Sample No: WUX-667548
Comment: Horizontal
Comment: T26C, H59%, P1003hPa

Scan Setup: ICES RE-1-6GHz-A-3115-Pre [EMI radiated]

Hardware Setup: TUV RE-1-18G-3115
Receiver: [ESW 8]
Level Unit: dB μ V/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamplifier
1 GHz - 6 GHz	400 kHz	PK+ ; AVG	1 MHz	0.001 s	0 dB

ICES RE-1-6GHz-A-3115-Pre





Product Service

Limit and Margin

Frequency	MaxPeak (dB μ	CAverage (dB μ V/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - PK+	Limit - PK+	Margin - CAV	Limit - CAV
2062.8	38.7	25.3	1000.0	200.0	240.2	41.3	80.0	34.7	60.0
2583.2	39.9	26.6	1000.0	200.0	277.8	40.1	80.0	33.4	60.0
3007.6	40.2	26.9	1000.0	200.0	321.5	39.8	80.0	33.1	60.0
3862.8	41.6	28.2	1000.0	200.0	356.1	38.4	80.0	31.8	60.0
4826.8	42.8	29.4	1000.0	200.0	156.3	37.2	80.0	30.6	60.0
5920.0	45.4	31.9	1000.0	200.0	130.6	34.6	80.0	28.1	60.0



Product Service

Common Information

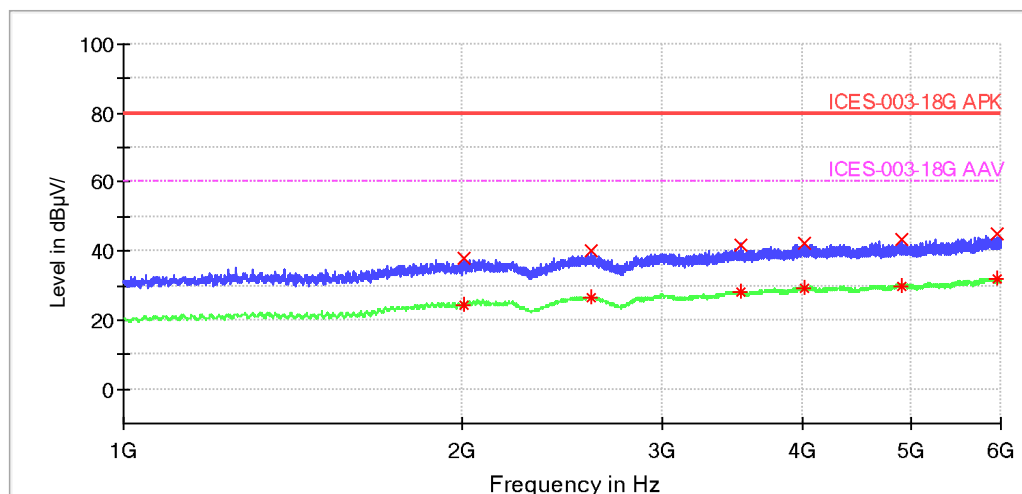
Test Description: 1-6GHz Radiated Emission
EUT Name: ToF Camera
Model: DCAM560C Pro
Client: Qingdao Vzense Technology Co.,Ltd.
Op Cond: Power on AC120V/60Hz-DC12V Normal operation
Operator: Jie Wu
Test Spec: ICES
Sample No: WUX-667548
Comment: Vertical
Comment: T26C, H59%, P1003hPa

Scan Setup: ICES RE-1-6GHz-A-3115-Pre [EMI radiated]

Hardware Setup: TUV RE-1-18G-3115
Receiver: [ESW 8]
Level Unit: dB μ V/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
1 GHz - 6 GHz	400 kHz	PK+ ; AVG	1 MHz	0.001 s	0 dB

ICES RE-1-6GHz-A-3115-Pre





Product Service

Limit and Margin

Frequency	MaxPeak (dB μ	CAverage (dB μ V/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - PK+	Limit - PK+	Margin - CAV	Limit - CAV
2005.6	37.8	24.5	1000.0	100.0	271.6	42.2	80.0	35.5	60.0
2596.4	40.1	26.6	1000.0	100.0	136.3	39.9	80.0	33.4	60.0
3524.0	42.0	27.9	1000.0	100.0	207.9	38.0	80.0	32.1	60.0
4017.6	42.1	29.1	1000.0	100.0	119.4	37.9	80.0	30.9	60.0
4908.0	43.1	30.0	1000.0	100.0	327.5	36.9	80.0	30.1	60.0
5965.2	44.7	31.9	1000.0	100.0	277.6	35.3	80.0	28.1	60.0

Common Information

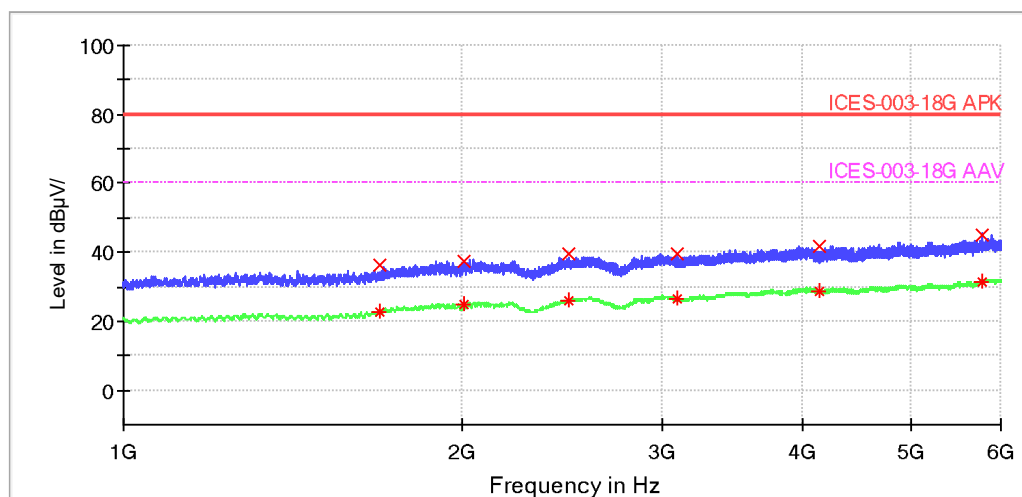
Test Description: 1-6GHz Radiated Emission
EUT Name: ToF Camera
Model: DCAM560C Lite
Client: Qingdao Vzense Technology Co.,Ltd.
Op Cond: Power on AC120V/60Hz-DC12V Normal operation
Operator: Jie Wu
Test Spec: ICES
Sample No: WUX-667548
Comment: Horizontal
Comment: T26C, H59%, P1003hPa

Scan Setup: ICES RE-1-6GHz-A-3115-Pre [EMI radiated]

Hardware Setup: TUV RE-1-18G-3115
Receiver: [ESW 8]
Level Unit: dB μ V/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
1 GHz - 6 GHz	400 kHz	PK+ ; AVG	1 MHz	0.001 s	0 dB

ICES RE-1-6GHz-A-3115-Pre



Limit and Margin

Frequency	MaxPeak (dB μ)	CAverage (dB μ V/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - PK+	Limit - PK+	Margin - CAV	Limit - CAV
1686.4	36.2	22.9	1000.0	200.0	234.1	43.8	80.0	37.1	60.0
2004.4	37.6	24.7	1000.0	200.0	125.2	42.4	80.0	35.3	60.0
2481.6	39.4	26.0	1000.0	200.0	241.1	40.6	80.0	34.0	60.0
3092.4	39.7	26.4	1000.0	200.0	103.4	40.3	80.0	33.6	60.0
4145.2	42.0	28.6	1000.0	200.0	218.1	38.0	80.0	31.4	60.0
5783.2	44.9	31.5	1000.0	200.0	179.8	35.1	80.0	28.5	60.0

Common Information

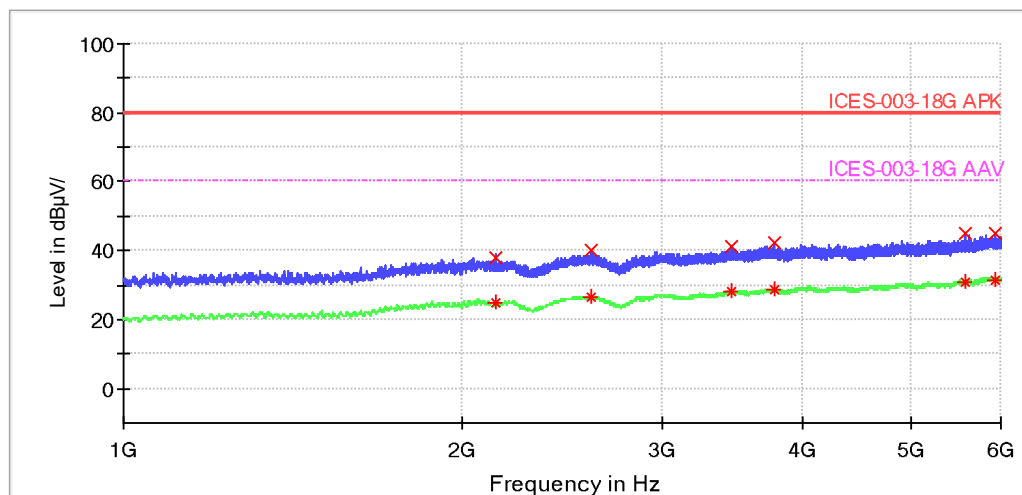
Test Description: 1-6GHz Radiated Emission
EUT Name: ToF Camera
Model: DCAM560C Lite
Client: Qingdao Vzense Technology Co.,Ltd.
Op Cond: Power on AC120V/60Hz-DC12V Normal operation
Operator: Jie Wu
Test Spec: ICES
Sample No: WUX-667548
Comment: Vertical
Comment: T26C, H59%, P1003hPa

Scan Setup: ICES RE-1-6GHz-A-3115-Pre [EMI radiated]

Hardware Setup: TUV RE-1-18G-3115
Receiver: [ESW 8]
Level Unit: dB μ V/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
1 GHz - 6 GHz	400 kHz	PK+ ; AVG	1 MHz	0.001 s	0 dB

ICES RE-1-6GHz-A-3115-Pre





Product Service

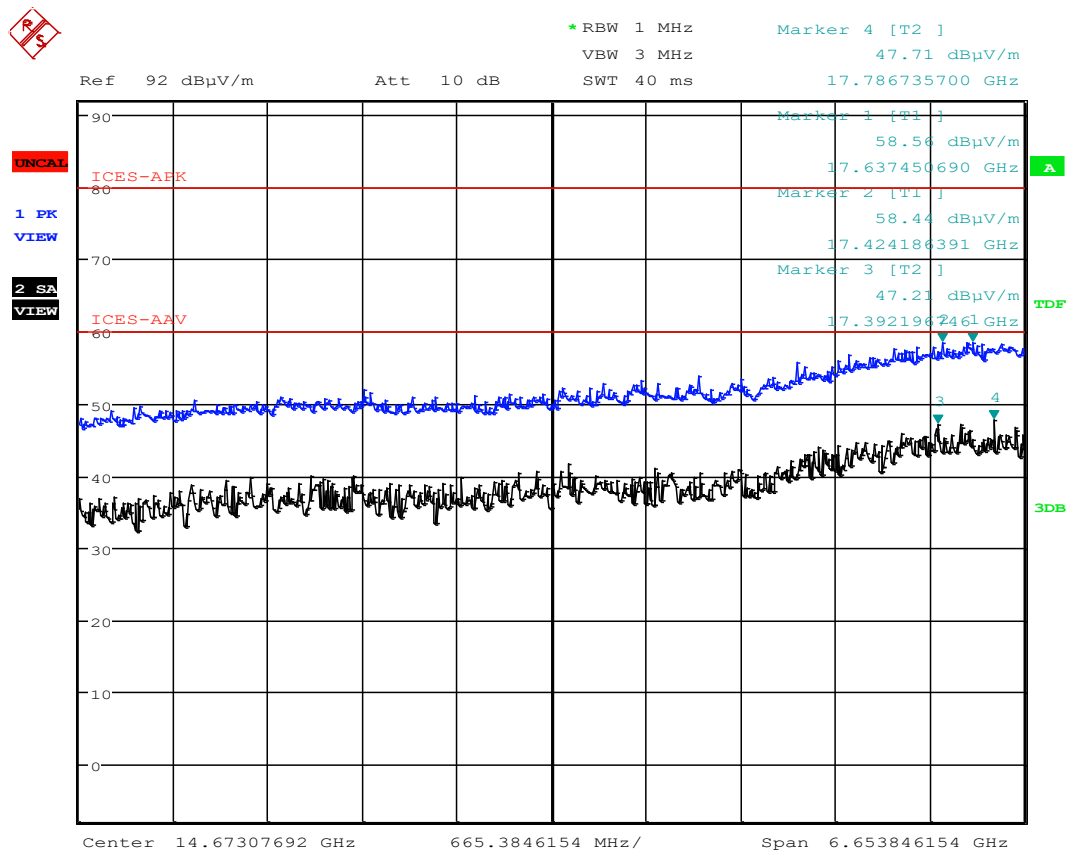
Limit and Margin

Frequency	MaxPeak (dB μ	CAverage (dB μ V/m)	Meas. Time (ms)	Height (cm)	Azimuth (deg)	Margin - PK+	Limit - PK+	Margin - CAV	Limit - CAV
2141.6	38.1	24.8	1000.0	100.0	110.6	41.9	80.0	35.2	60.0
2600.4	39.9	26.6	1000.0	100.0	167.7	40.1	80.0	33.4	60.0
3462.8	41.1	27.9	1000.0	100.0	270.6	38.9	80.0	32.1	60.0
3772.0	42.4	28.8	1000.0	100.0	221.2	37.6	80.0	31.2	60.0
5582.8	44.8	30.9	1000.0	100.0	197.4	35.2	80.0	29.1	60.0
5938.8	44.9	31.6	1000.0	100.0	157.4	35.1	80.0	28.4	60.0



Product Service

Frequency Range of Test: 6GHz to 18GHz, Model: DCAM560C-Pro, Horizontal

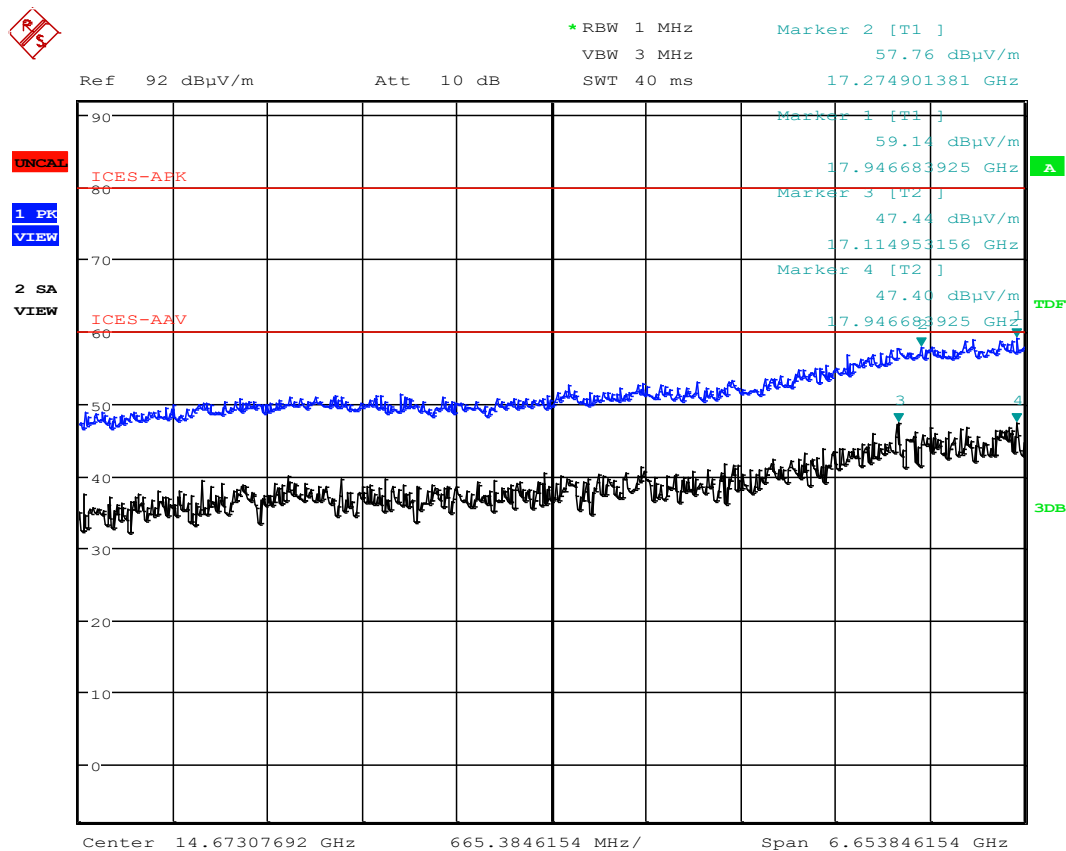


Date: 12.AUG.2022 07:06:23



Product Service

Frequency Range of Test: 6GHz to 18GHz, Model: DCAM560C-Pro, Vertical

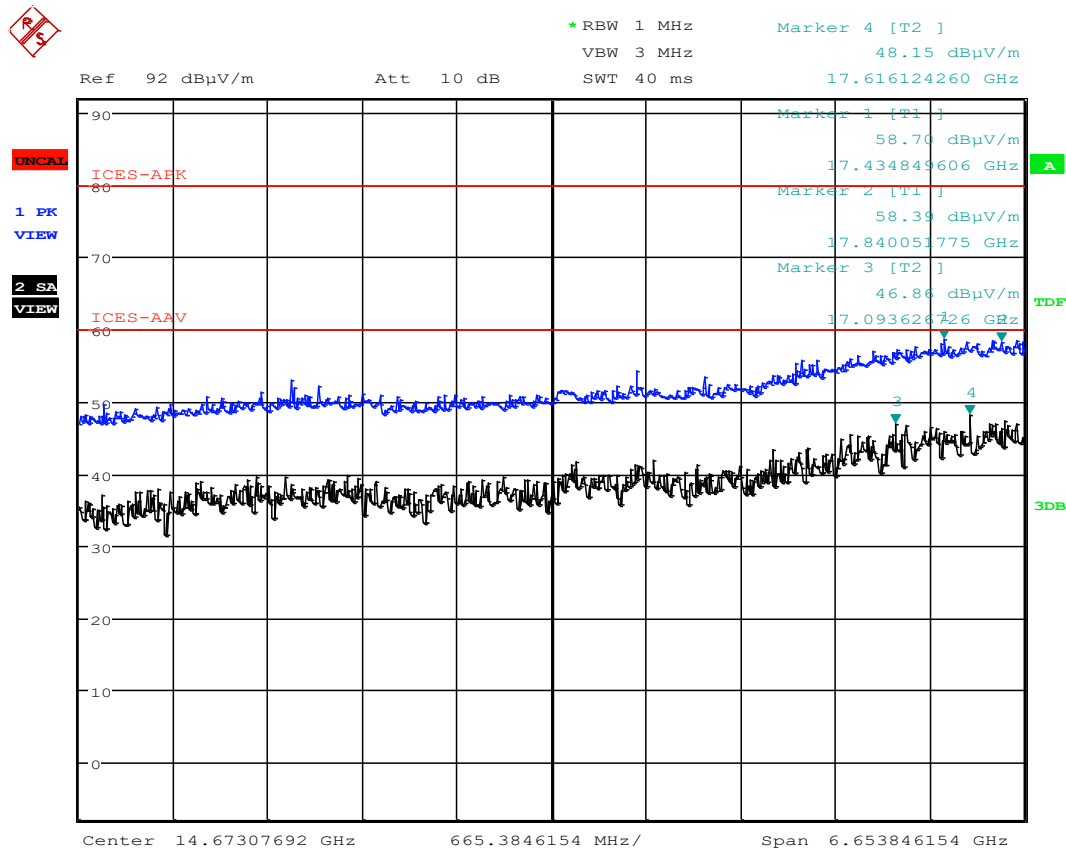


Date: 12.AUG.2022 07:17:57



Product Service

Frequency Range of Test: 6GHz to 18GHz, Model: DCAM560C-Lite, Horizontal

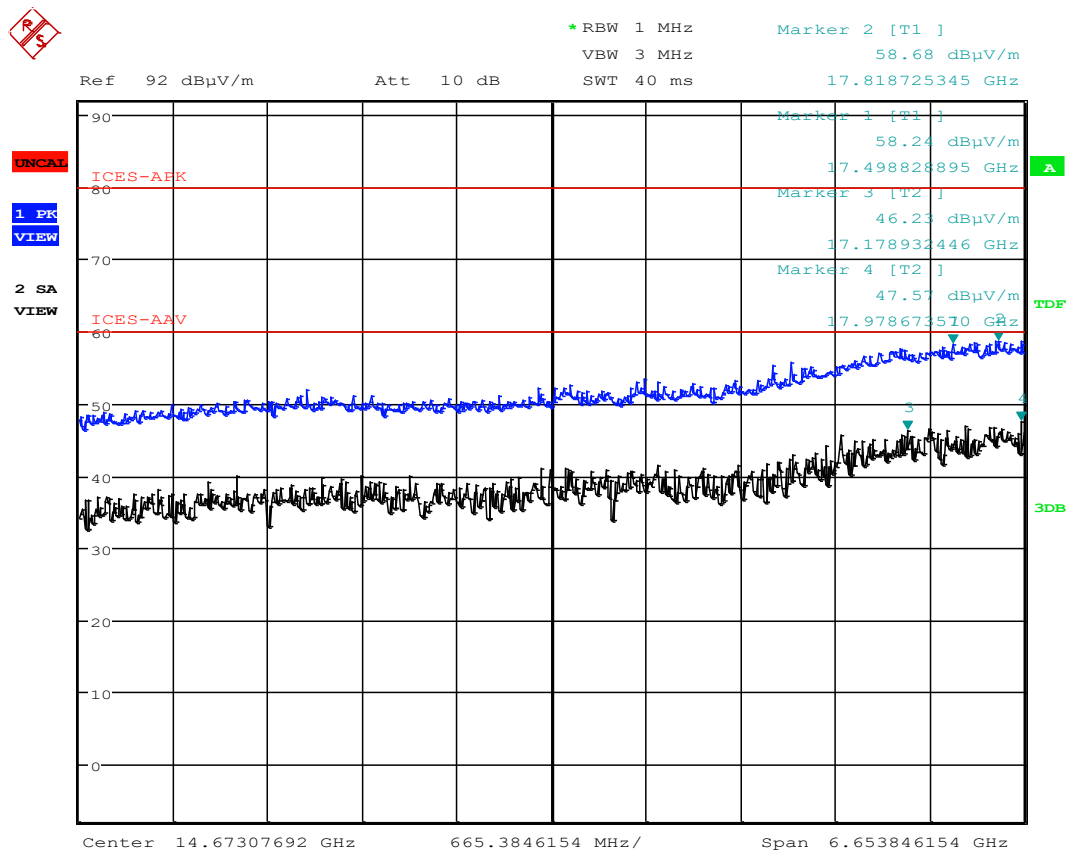


Date: 12.AUG.2022 07:04:38



Product Service

Frequency Range of Test: 6GHz to 18GHz, Model: DCAM560C-Lite, Vertical



Date: 12.AUG.2022 07:05:36

6.EUT Photograph

DCAM560C Lite





Product Service

DCAM560C Pro

