

DATA OF CONDUCTED EMISSION TEST

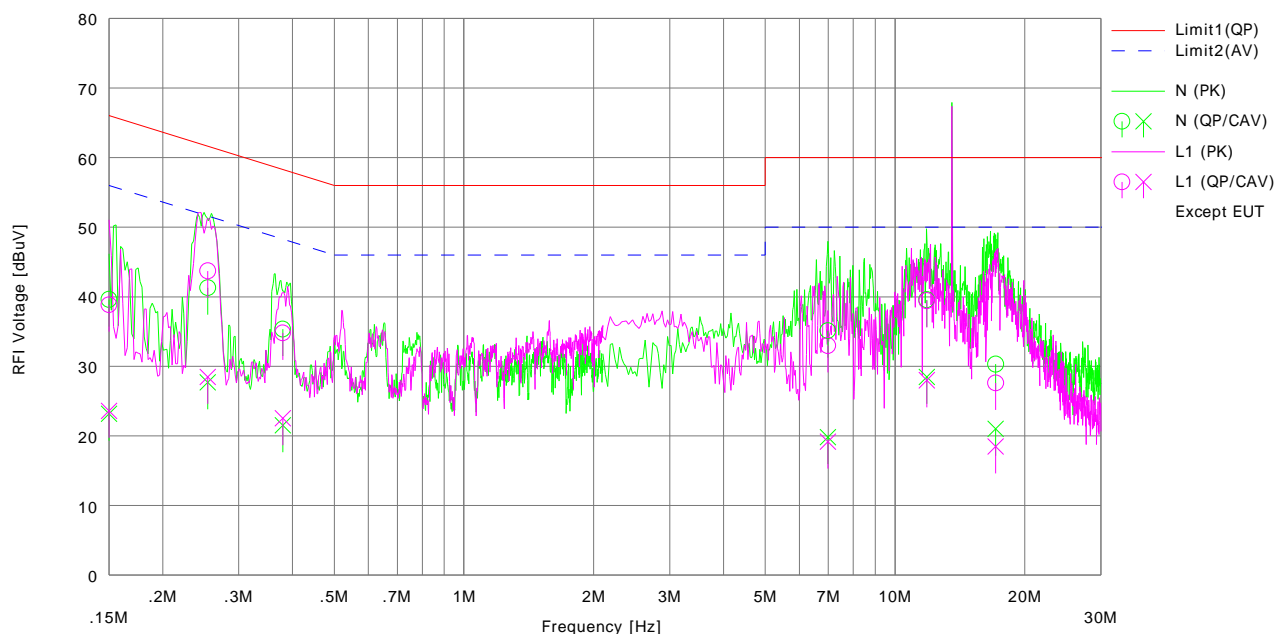
UL Japan, Inc. Shonan EMC Lab. No.2 Shielded Room
Date : 2020/07/03

Company : FUJIFILM Corporation
Kind of EUT : Reader/Writer
Model No. : ICT-3404U-A
Serial No. : TE2006B032
Remarks : -

Mode : NFC Communication
Order No. : 13382692S
Power : AC 120 V / 60 Hz (USB DC 5.0 V)
Temp./Humi. : 22 deg.C / 58 %RH

Limit : FCC_Part 15 Subpart B(15.107)_Class B

Engineer : Takahiro Suzuki



No.	Freq. [MHz]	Reading		C.Fac [dB]	Results		Limit		Margin		Phase	Comment
		<QP>	<CAV>		<QP>	<CAV>	<QP>	<AV>	<QP>	<AV>		
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
1	0.15000	27.08	10.67	12.51	39.59	23.18	66.00	56.00	26.4	32.8	N	
2	0.25475	28.76	15.18	12.52	41.28	27.70	61.60	51.60	20.3	23.9	N	
3	0.37993	22.82	9.00	12.52	35.34	21.52	58.28	48.28	22.9	26.7	N	
4	6.98620	22.13	6.83	12.98	35.11	19.81	60.00	50.00	24.8	30.1	N	
5	11.85089	26.34	15.27	13.21	39.55	28.48	60.00	50.00	20.4	21.5	N	
6	17.12540	16.83	7.55	13.47	30.30	21.02	60.00	50.00	29.7	28.9	N	
7	0.15000	26.33	11.09	12.50	38.83	23.59	66.00	56.00	27.1	32.4	L1	
8	0.25475	31.17	15.94	12.52	43.69	28.46	61.60	51.60	17.9	23.1	L1	
9	0.37993	22.27	10.00	12.52	34.79	22.52	58.28	48.28	23.4	25.7	L1	
10	6.98620	20.06	6.25	12.92	32.98	19.17	60.00	50.00	27.0	30.8	L1	
11	11.85089	26.32	14.89	13.09	39.41	27.98	60.00	50.00	20.5	22.0	L1	
12	17.12540	14.35	5.24	13.24	27.59	18.48	60.00	50.00	32.4	31.5	L1	

Calculation: Result [dBuV] = Reading [dBuV] + C.Fac (LISN (AMN) + Cable + ATT) [dB]
LISN (AMN) : SLS-03

DATA OF RADIATED EMISSION TEST

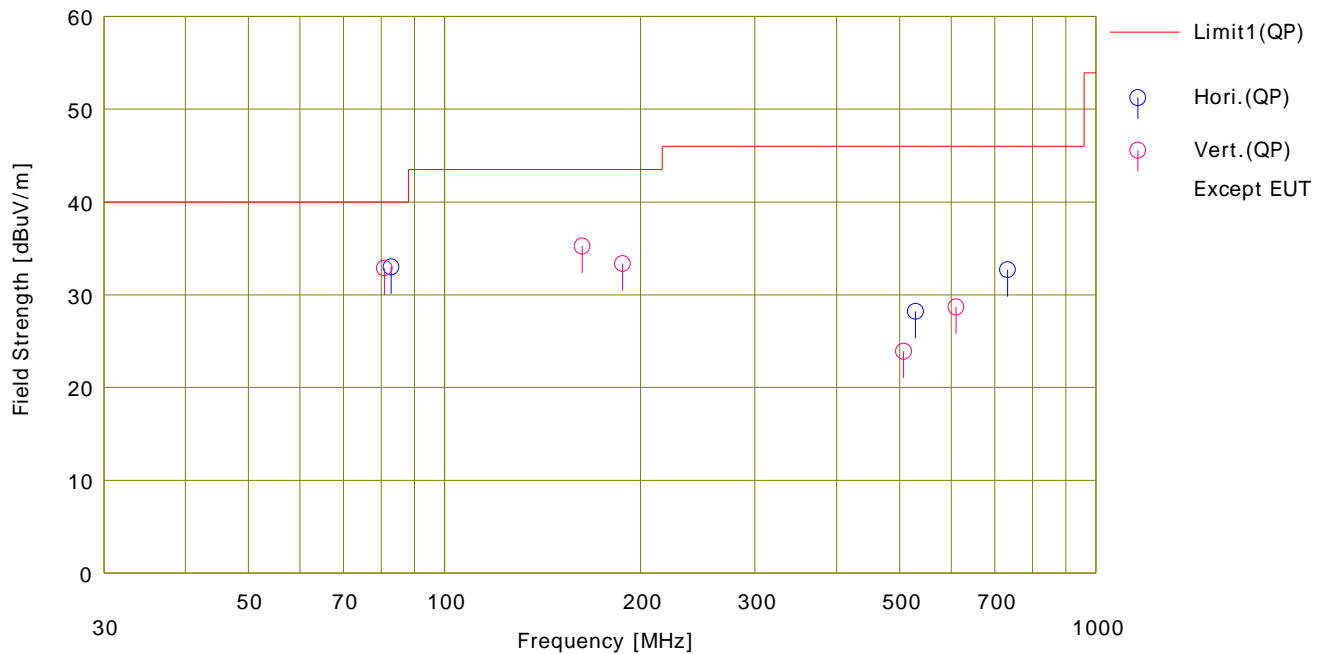
UL Japan, Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2020/07/03

Company : FUJIFILM Corporation
 Kind of EUT : Reader/Writer
 Model No. : ICT-3404U-A
 Serial No. : TE2006B032
 Remarks : EUT Axis: Hor=X, Ver=X

Mode : NFC Communication
 Order No. : 13382555S
 Power : AC 120 V / 60 Hz (USB DC 5.0 V)
 Temp./Humi. : 22 deg.C / 58 %RH

Limit : FCC_Part 15 Subpart B(15.109)_Class B

Engineer : Takahiro Suzuki



No.	Freq. [MHz]	Reading	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	S.Fac [dB]	Result	Limit	Margin	Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
		<QP> [dBuV]					<QP> [dBuV/m]	<QP> [dBuV/m]	<QP> [dB]					
1	82.812	49.82	6.88	7.72	31.87	0.44	32.99	40.00	7.0	Hori.	370	148	BC	
2	528.843	34.49	17.61	7.74	31.64	0.00	28.20	46.00	17.8	Hori.	100	57	LP	
3	732.240	35.25	20.20	8.73	31.48	0.00	32.70	46.00	13.3	Hori.	135	159	LP	
4	80.887	50.03	6.56	7.69	31.87	0.45	32.86	40.00	7.1	Vert.	100	82	BC	
5	162.774	43.01	15.29	8.62	31.79	0.11	35.24	43.50	8.2	Vert.	100	245	BC	
6	187.589	40.12	16.26	8.85	31.77	-0.11	33.35	43.50	10.1	Vert.	100	182	BC	
7	507.216	30.18	17.71	7.61	31.60	0.00	23.90	46.00	22.1	Vert.	100	99	LP	
8	610.195	32.76	19.36	8.15	31.60	0.00	28.67	46.00	17.3	Vert.	100	217	LP	

Calculation: Result[dBuV/m]=Reading[dBuV]+Ant.Fac[dB/m]+Loss(Cable+ATT)[dB]-Gain(AMP)[dB]+S.Fac(AF)[dB]
 Ant.Type=BC:Biconical Antenna LP:Logperiodic Antenna **SHA*: Horn Antenna

APPENDIX 3

Test Instruments

EMI test equipment

Test Name	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Calibration Interval (Month)
CE	KAT3-12	144896	Attenuator	JFW IND. INC.	50HF-003N	-	2019/07/18	12
CE	SCC-B12/B13/SRSE-02	144969	Coaxial Cable&RF Selector	Suhner/Suhner/TOYO	RG223U/141PE/NS4906	-/0901-270(RF Selector)	2020/04/17	12
CE	SLS-03	145540	LISN	Rohde & Schwarz	ENV216	100513	2020/02/19	12
CE	SLS-04	145541	LISN	Rohde & Schwarz	ENV216	100514	2020/02/19	12
CE	SOS-22	191839	Humidity Indicator	CUSTOM	CTH-201	-	2019/12/12	12
CE	STM-02	145746	Terminator	TME	CT-01 BP	-	2019/12/05	12
CE,RE	COTS-SEMI-5	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	-	-	-
CE,RE	SJM-09	145336	Measure	PROMART	SEN1935	-	-	-
CE,RE	STR-07	146209	Test Receiver	Rohde & Schwarz	ESU26	100484	2019/09/13	12
CE,RE	STS-02	145793	Digital Hitester	Hioki	3805-50	80997819	2020/04/09	12
RE	SAEC-02(NSA)	145563	Semi-Anechoic Chamber	TDK	SAEC-02(NSA)	2	2020/03/20	12
RE	SAF-02	145004	Pre Amplifier	SONOMA	310N	290212	2020/02/19	12
RE	SAT3-11	150921	Attenuator	JFW	50HF-003N	-	2020/01/30	12
RE	SAT6-14	167095	Attenuator	JFW	50HF-006N	-	2020/02/21	12
RE	SBA-02	145022	Biconical Antenna	Schwarzbeck Mess - Elektronik	BBA9106	91032665	2020/04/04	12
RE	SCC-B1/B3/B5/B7/B8/B13/SRSE-02	144975	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/NS4906	-/0901-270(RF Selector)	2020/04/17	12
RE	SCC-B2/B4/B6/B7/B8/B13/SRSE-02	144976	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/NS4906	-/0901-270(RF Selector)	2020/04/17	12
RE	SLA-06	145528	Logperiodic Antenna	Schwarzbeck Mess - Elektronik	VUSLP9111B	195	2020/04/04	12
RE	SOS-21	191838	Humidity Indicator	CUSTOM	CTH-201	-	2019/12/12	12

*Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.

The expiration date of the calibration is the end of the expired month.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards

Test Item:

CE: Conducted emission,

RE: Radiated emission

End of Report