EMC TEST REPORT					
Project No.	LBE20200941	lssue No.	0		
	Name of organization	Samsung Elec	ctronics Co., Ltd.		
Applicant	Address	(Maetan-dong) Suwon-si, Gyeo	129, Samsung-ro, Yeongtong-gu, onggi-do, 16677, Republic of Korea		
	Date of receipt	October 27, 202	20		
	Type of device	 ☑ All other Red ☑ Class B Perso ☑ Other Class ☑ FM Broadcas 	ceivers subject to part15 onal Computers and peripherals B digital devices and peripherals at Receiver		
	Equipment authorization	Certification	Supplier's Declaration of Conformity		
	FCC ID	A3LSMM127F			
	Kind of product	Mobile Phone			
EUT	Model No.	SM-M127F/DS			
	Variant Model No.	Refer to clause 4.6			
	Manufacturer	SAMSUNG ELECTRONICS VIETNAM CO.,LTD Yenphong 1 - I.P Yentrung Commune, Yenphong Dist., Bac Ninh Province, Vietnam			
		SAMSUNG INDIA ELECTRONICS PVT LTD B-1 Sector-81, Phase-II NOIDA U.P. INDIA			
Applied Sta	andards	47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2014			
Test Period	ł	December 1, 2020 ~ December 3, 2020			
Issue date		December 3, 2020			
Test result	: Complied				
The equi (Refer to	pment under test has found the attached test result for	to be compliant more detail.)	with the applied standards.		
Tested by : Soo-Joon Kim S. J. Wm		Reviewed by : Sun-Ho Kim			
The test results without written	in this report only apply to the permission from Global CS ce	e tested sample. Th nter.	nis report must not be reproduced, except in full,		
(Mae	Samsung Electron tan dong) 129, Samsung-ro,	ics Co., Ltd Yeongtong-Gu, S	., Global CS Center uwon-Si,Gyeonggi-Do 16677, Korea		

Table of contents

1.	Report Information	
	1.1 Revision history	3
2.	Summary of test results	
	2.1 Emission	3
3.	General Information	
	3.1 Test facility	3
4.	Test Configuration	
	4.1 Test Peripherals	4
	4.2 EUT operating mode	5
	4.3 Details of Sampling	5
	4.4 Used cable description	6
	4.5 Test arrangement	7
	4.6 EUT Description	9
	4.7 EUT Frequencies	9
	4.8 Test configuration and condition	10
	4.9 Measurement uncertainty	10
5	Result of individual tests	
J.	1. Conducted disturbance	44
	5.1 Conducted disturbance	11
	5.2 Radiated disturbance	17

1. Report Information

1.1 Revision history

No.	Date of Issue	Revised detailed information	
Issue 0	December 3, 2020	There are no revisions and this version is basic test report.	

※ Remark

Compliance with Part 15B requirements for the receiver part of the licensed transmitter (equipment code CXX) is covered by other test report.

2. Summary of test results

2.1 Emission

The EUT has been tested according to the following specifications:

Applied	Test type	Applied standard	Result
	Conducted Disturbance (Mains port)	47 CFR Part 15 Subpart B / ANSI C63.4-2014	Complied
	Radiated Disturbance	(Class B)	Complied

3. General Information

3.1 Test facility

The Global CS Center is located on Samsung Electronics Co., Ltd. at (Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea. All testing are performed in Semi-anechoic chambers conforming to the site attenuation characteristics defined by ANSI C63.4, CISPR 32, CISPR 16-1-4 and Shielded rooms. And all antennas are properly calibrated using ANSI C63.5:2017.

The Global CS Center is an ISO/IEC 17025 accredited testing laboratory by the National Radio Research Agency with designation No. KR0004. for EMC testing.

4. Test Setup configuration

4.1 Test Peripherals

The cables used for these peripherals are either permanently attached by the peripheral manufacturer or coupled with an assigned cable as defined below.

The following is a listing of the EUT and peripherals utilized during the performance of EMC test:

Mark	Description	Model No.	Serial No. Manufacturer / Trademark		FCC ID
Α	Mobile Phone	SM-M127F/DS	-	SAMSUNG	A3LSMM127F
В	Battery	EB-BM207ABY	-	ATL	-
С	Headset	EHS64AVFWE	-	Cresyn	-
D	Data Cable	EP-DR140	-	Cresyn	-
E	Micro SD Card	64GB	-	SAMSUNG	DoC
F	Laptop Computer	L otitudo 5590	1WYRYM2	Dell	DoC
		Computer	D3HRYM2	Dell	DoC
	Laptop		5DEA	Dell	DoC
AC Adapt	AC Adapter	LAOSINIVITSU	5B3C	Dell	DoC
H Mouse		AA-SM7PCPB	CN57BA5903634ADV 8JJCD4371	SAMSUNG	DoC
		SNJ-B138	Z5F8353	SAMSUNG	DoC
			RF0F1D8018454	D-Link	DoC
	Roulei		RF0F1D8011504	D-Link	DoC
J	Travel Adapter	EP-TA200	R37M1TM0HB1SE3	SOLU-M	-

4.2 EUT operating mode

To achieve compliance applied standard specification including CXX, JAB and JBP requirement, the following mode(s) were made during compliance testing:

4.2.1 Conducted Emission

No.	Operating mode
1	Camera (rear) + Charging (w/ TA) + Cellular receiver (LTE B26 Center Frequency) + FM (Low Ch.)
2	Camera (front) + Charging (w/ TA) + FM (Mid Ch.)
3	FM (High Ch.) + Charging (w/ TA)
4	Video + Audio playback from internal memory data + Charging (w/ TA)
5	USB Data Communication with PC (from external memory data)

4.2.2 Radiated Emission

No.	Operating mode
1	Camera (rear) + Charging (w/ TA) + FM (Low Ch.)
2	Camera (front) + FM (Mid Ch.)
3	FM (High Ch.)
4	Video + Audio playback from internal memory data
5	USB Data Communication with PC (from external memory data)

4.3 Details of Sampling

Customer selected, single unit.

4.4 Used cable description

The EUT is configured, installed, arranged and operated in a manner consistent with typical applications. Interface cables/loads/devices are connected to at least one of each type of interface port of the EUT, and where practical, each cable shall be terminated in a device typical of actual usage. The type(s) of interconnecting cables to be used and the interface port (of the EUT) to which these were connected:

No.	Connected cable	Length [m]	Shielded [Y/N]	Note	
1	Data Cable	0.8	Y	From EUT to Laptop Computer or TA	
2	Headset	1.2	N	For EUT	
3	Power	1.8	N	From Laptop Computer to AC Adapter	
4	Power	1.5	N	For Laptop AC Adapter	
5	LAN	1.5	N	From Laptop Computer to Router	
6	USB	0.8	Y	From Laptop Computer to Router for DC Power	
7	USB	1.8	Y	From Laptop Computer to Mouse	

4.5 Test arrangement

4.5.1 Conducted Emission



[Mode 1 - 4]



[Mode 5]

4.5.2 Radiated Emission



[Mode 1]







This report must not be reproduced, except in full, without written permission from Global CS Center. Form No.: SRA-TRF-46/11

-8/28-

4.6 EUT Description

The EUT is a bar type Mobile Phone which can operate on GSM850/900/1800/1900, WCDMA FDD1/2/4/5/8, LTE FDD 1/2/3/4/5/7/8/12/17/20/26/28/66, LTE TDD 38/40/41 and incorporates a Bluetooth, Wi-Fi, Camera, FM Radio, GNSS, Audio and Video.

4.6.1 The variant models - SM-M127F

4.7 EUT Frequencies

The highest frequencies (Generated and used)	Frequency [MHz]	
Bluetooth	2 480	

4.8 Test configuration and condition

The system was configured for testing in a typical fashion that a customer would normally use. Cables were attached to each of the available I/O Ports. Where applicable, peripherals were attached to the I/O cables. All the external I/O ports are exercised, as well as internal and the external SD card, by writing and reading arbitrary data or charging with TA.

The EUT was investigated in three orientations and the worst case orientation is reported.

RX mode(850MHz) testing was performed with the LTE FDD26 RX Test mode at center frequency. All licensed communication (850MHz) RX mode, GSM/WCDMA/LTE, test results are not significantly different.

The FM radio mode radiated testing was performed with the Low/Mid/High channel.

The video and audio were repetitively played with earphone connected.

The camera of the EUT was operated continuously.

Power source for the EUT operating was supplied by CVCF made by the Pacific Corp.

- Test Voltage : AC 120 V, 60 Hz

4.9 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus: (According to CISPR 16-4-2 and UKAS M3003)

4.9.1 Emission

Test type	Measurement uncertainty (C.L. Approximately 95 %, <i>k</i> = 2)	
Conducted disturbance	AC Mains	2.83 dB
Radiated Disturbance	Horizontal	4.08 dB
(Below 1 GHz)	Vertical	4.58 dB
Radiated Disturbance	Horizontal	5.21 dB
(Above 1 GHz)	Vertical	5.22 dB

* Remark

1) The values for uncertainty of conducted and radiated emissions are less than the Corresponding values of Ucispr given in CISPR 16-4-2. Therefore no adjustment of measurement results is necessary when comparing them with the relevant limits.

5. Results of individual test

5.1 Conducted disturbance

The EUT is connected to a LISN via travel adapter. If the EUT is connected to the Laptop Computer USB port, the Laptop AC adapter is connected to a LISN.

Both conducted lines are measured in Quasi-Peak and CISPR-Average mode, including the worst-case data points for each tested configuration. The EUT measured in accordance with the methods described in standards.

Frequency range Limits	Resolution Bandwidth	Limits [dB(µV)]		
[MHz]	[kHz]	Quasi-peak	Average	
0.15 to 0.50	9	66 to 56	56 to 46	
0.50 to 5	9	56	46	
5 to 30	9	60	50	
NOTE 1 The lower limit shall apply at the transition frequency.				
NOTE 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15 MH			15 MHz to 0.50 MHz.	

Limits for conducted disturbance at the mains ports of Class B ITE

5.1.1 Test instrumentation

			-		Next Calibration	
EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Date	Interval (Month)
E5I-006	LTE Communicator	CMW500	R&S	132728	2021-04-06	12
E5I-002	Universal Radio Communicator	CMU200	R&S	100612	2021-08-12	12
E5I-017	EMI Test Receiver	ESU8	R&S	100483	2021-01-20	12
E5I-127	LISN	ENV216	R&S	102061	2021-07-29	12
-	Test software	EMC32	R&S	Ver 9.26.01	-	-

5.1.2 Temperature and humidity condition

Test date	2020-12-01	Test engineer	Soo-Joon Kim		
	Ambient temperature	(22.5 ± 0.5) °C	Limit (15.0 to 35.0) ℃		
Climate condition	Relative humidity	(40.1 ± 0.5) % R.H.	Limit (25.0 to 75.0) % R.H.		
	Atmospheric pressure	(100.8 ± 0.5) kPa	Limit (86.0 to 106.0) kPa		
Test place	Shield Room (SR8)				

-11/28-



5.1.3 Test results Operating Mode 1: AC Mains

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.503		41.02	46.00	4.98	L1	10.2
0.503	42.93		56.00	13.07	L1	10.2
1.172		40.01	46.00	5.99	L1	10.0
1.172	42.75		56.00	13.25	L1	10.0
2.762		37.24	46.00	8.76	L1	9.9
2.762	44.50		56.00	11.50	L1	9.9
4.099	48.42		56.00	7.58	L1	10.0
4.099		38.58	46.00	7.42	L1	10.0
8.851	43.56		60.00	16.44	L1	10.1
8.851		30.40	50.00	19.60	L1	10.1
12.775	45.28		60.00	14.72	L1	10.2
12.775		30.24	50.00	19.76	L1	10.2

	/ CAV/ final	maggurament	regulte table:
UP /	/ CAV tinai	measurement	results table:

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)

QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

-12/28-



□ Operating Mode 2: AC Mains

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.231		36.43	52.41	15.98	L1	9.9
0.231	44.27		62.41	18.14	L1	9.9
0.310		40.85	49.98	9.13	L1	10.0
0.310	44.62		59.98	15.36	L1	10.0
0.465		42.74	46.60	3.86	L1	10.2
0.465	44.35		56.60	12.25	L1	10.2
0.620		42.47	46.00	3.53	L1	10.2
0.620	45.00		56.00	11.00	L1	10.2
4.247	46.07		56.00	9.93	N	10.0
4.247		33.64	46.00	12.36	N	10.0
13.218	44.38		60.00	15.62	L1	10.3
13.218		28.33	50.00	21.67	L1	10.3

OP / CAV final measurement results ta

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)

QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

-13/28-



□ Operating Mode 3: AC Mains

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.170	49.22		64.95	15.73	N	10.3
0.170		33.12	54.95	21.83	N	10.3
0.515	35.75		56.00	20.25	L1	10.2
0.515		31.17	46.00	14.83	L1	10.2
0.605	38.99		56.00	17.01	L1	10.2
0.605		35.10	46.00	10.90	L1	10.2
0.771		33.01	46.00	12.99	L1	10.1
0.771	36.99		56.00	19.01	L1	10.1
4.499	43.32		56.00	12.68	L1	10.0
4.499		34.27	46.00	11.73	L1	10.0
12.777		34.92	50.00	15.08	N	10.4
12.777	43.49		60.00	16.51	N	10.4

QP / CAV final measurement results ta	QP /	surement results table	/ final
---------------------------------------	------	------------------------	---------

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)

QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor



□ Operating Mode 4: AC Mains

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.485		39.80	46.25	6.45	L1	10.2
0.485	42.70		56.25	13.55	L1	10.2
0.566		40.58	46.00	5.42	L1	10.2
0.566	45.00		56.00	11.00	L1	10.2
0.645		38.70	46.00	7.30	L1	10.2
0.645	43.32		56.00	12.68	L1	10.2
0.728		38.26	46.00	7.74	L1	10.1
0.728	42.33		56.00	13.67	L1	10.1
3.804		33.64	46.00	12.36	L1	10.0
3.804	45.11		56.00	10.89	L1	10.0
12.203		29.79	50.00	20.21	N	10.3
12.203	40.90		60.00	19.10	N	10.3

QP / CAV final measurement results ta	table:
---------------------------------------	--------

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV) QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

-15/28-



□ Operating Mode 5: AC Mains

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.152	50.69		65.88	15.19	N	9.9
0.186		34.66	54.21	19.55	L1	10.1
0.503		30.20	46.00	15.80	L1	10.1
0.503	41.89		56.00	14.11	L1	10.1
1.003	31.19		56.00	24.81	L1	9.9
1.003		21.43	46.00	24.57	L1	9.9
3.426		26.39	46.00	19.61	L1	9.8
3.442	36.24		56.00	19.76	N	9.8
4.119	39.06		56.00	16.94	N	9.8
4.196		29.81	46.00	16.19	L1	9.8
12.478	34.88		60.00	25.12	L1	9.9
12.514		29.30	50.00	20.70	L1	9.9

QP / CAV final measurement results	s table:
------------------------------------	----------

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV) QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

-16/28-

5.2 Radiated disturbance

The following data lists the significant emission frequencies, measured levels, correction factors (for antenna and cables), orientation of table, polarization and height of antenna, the corrected reading, the limit, and the amount of margin.

Peak measurements were made over the changeable frequency range 30 MHz to 1 GHz at a measurement distance of 10 m for the following antenna and turntable arrangements:

Antenna Height [cm]	Antenna Polarisation	Resolution Bandwidth [kHz]	Video Bandwidth [kHz]	Turntable position [degrees]
100 ~ 400	Horizontal, Vertical	120	300	Continuous

Measurements within 6 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using quasi-peak detector.

Peak/CISPR-Average measurements were made over the changeable frequency range 1 GHz to 40 GHz or 5th harmonics of the highest frequency generated or used in the device or on which the device operates or tunes at a measurement distance of 3 m for the following antenna and turntable arrangements. The measurements above 1 GHz were performed with the bore-sighting antenna aimed at the EUT.

Antenna Height [cm]	Antenna Polarisation	Resolution Bandwidth [MHz]	Video Bandwidth [MHz]	Turntable position	
100 ~ 400	Horizontal, Vertical	1	3	Continuous	

Measurements within 6 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using peak and CISPR-average detectors.

Limits for radiated disturbance of Class B ITE at a measuring distance of 3 m and 10 m

Frequency range Limits	Field Strength				
[MHz]	3 m [µV/m]	3 m [dB(µV/m)]	10 m [dB(µV/m)]		
30 to 88	100	40.0	29.5		
88 to 216	150	43.5	33.0		
216 to 960	200	46.0	35.5		
Above 960	500	54.0	43.5		

Note) Distance correction fomula from $D_1(3m)$ to $D_2(10m)$

: Limit at D_2 = Limit at D_1 + 20Log(D_1/D_2)

Results checked manually; and points close to the limit line were re-measured.

5.2.1 Test instrumentation

EMC		Madal			Next Calibration		
No.	Test Instrument	name	Manufacturer	Serial No.	Date	Interval (Month)	
E5I-002	Universal Radio Communicator	CMU200	R&S	100612	2021-08-12	12	
E5I-020	EMI Test Receiver	ESU40	R&S	100375	2021-09-14	12	
E5I-018	EMI Test Receiver	ESU8	R&S	100484	2021-05-22	12	
E5I-069	BiLog Antenna	CBL6112D	TESEQ	35382	2021-08-30	24	
E5I-071	BiLog Antenna	CBL6112D	TESEQ	35384	2021-08-30	24	
E5I-093	Preamplifier	310N	SONOMA	273122	2021-01-23	12	
E5I-094	Preamplifier	310N	SONOMA	282363	2021-01-23	12	
E5I-036	Horn Antenna	HF907	R&S	100507	2022-04-23	24	
E5I-039	Signal Conditioning Unit	SCU-18	R&S	10211	2021-01-23	12	
-	Test software	EP7RE	ΤΟΥΟ	Ver 5.8.2	-	-	
-	Test software	EMC32	R&S	Ver 9.25.00	-	-	

5.2.2 Temperature and humidity condition

Test date	2020-12-02 ~ 2020-12-03	Test engineer	Soo-Joon Kim		
	Ambient temperature (22.6 ± 0.5) °C		Limit (15.0 to 35.0) ℃		
Climate condition	Relative humidity	(48.0 ± 0.5) % R.H.	Limit (25.0 to 75.0) % R.H.		
	Atmospheric pressure	(102.1 ± 0.5) kPa	Limit (86.0 to 106.0) kPa		
Test place	Semi-Anechoic Chamber (SAC4)				

5.2.3 Test results

□ Operating Mode 1

- Frequencies below 1 GHz



* Radiated emissions (Rx frequency 87.958 MHz) from the transceiver shall be ignored

Note1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 10 m, Antenna Height : 1 to 4 meters Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain) Margin (QP) = Limit – Level (QP) QP = Quasi-Peak, c.f = Correction Factor

This report must not be reproduced, except in full, without written permission from Global CS Center. Form No.: SRA-TRF-46/11

-19/28-



- Frequencies above 1 GHz

Note 1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 3 m, Antenna Height : 1 to 4 meters Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain) Margin (PK and/or CAV) = Limit – Level (PK and/or CAV) PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

□ Operating Mode 2

- Frequencies below 1 GHz



* Radiated emissions (Rx frequency 97.900 MHz) from the transceiver shall be ignored

Note1) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 10 m, Antenna Height : 1 to 4 meters

Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

QP = Quasi-Peak, c.f = Correction Factor



- Frequencies above 1 GHz

Note 1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 3 m, Antenna Height : 1 to 4 meters Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain) Margin (PK and/or CAV) = Limit – Level (PK and/or CAV) PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

□ Operating Mode 3

- Frequencies below 1 GHz



* Radiated emissions (Rx frequency 107.964 MHz) from the transceiver shall be ignored

Note1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 10 m, Antenna Height : 1 to 4 meters Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain) Margin (QP) = Limit – Level (QP) QP = Quasi-Peak, c.f = Correction Factor



- Frequencies above 1 GHz

Note 1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 3 m, Antenna Height : 1 to 4 meters Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain) Margin (PK and/or CAV) = Limit – Level (PK and/or CAV) PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

□ Operating Mode 4

- Frequencies below 1 GHz



Note1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 10 m, Antenna Height : 1 to 4 meters Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain) Margin (QP) = Limit – Level (QP) QP = Quasi-Peak, c.f = Correction Factor



- Frequencies above 1 GHz

Note 1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 3 m, Antenna Height : 1 to 4 meters Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain) Margin (PK and/or CAV) = Limit – Level (PK and/or CAV) PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

□ Operating Mode 5

- Frequencies below 1 GHz



Note1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 10 m, Antenna Height : 1 to 4 meters Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain) Margin (QP) = Limit – Level (QP) QP = Quasi-Peak, c.f = Correction Factor



- Frequencies above 1 GHz

Frequency (MHz)	PK (dBμV/m)	CAV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 329.600	41.82		74.00	32.18	100.0	V	144.0	8.2
1 330.000		28.42	54.00	25.58	100.0	V	20.0	8.2
1 374.000	42.12		74.00	31.88	103.0	Н	300.0	8.7
1 376.000		28.12	54.00	25.88	102.0	V	124.0	8.7
1 391.600		29.34	54.00	24.66	100.0	Н	192.0	8.8
1 394.000	41.87		74.00	32.13	101.0	Н	192.0	8.8
1 596.000	40.45		74.00	33.55	108.0	V	62.0	10.2
1 600.000		28.44	54.00	25.56	106.0	V	0.0	10.2
1 864.800		32.86	54.00	21.14	103.0	V	14.0	11.8
1 866.800	45.30		74.00	28.70	103.0	V	14.0	11.8
2 126.400		38.24	54.00	15.76	100.0	V	144.0	13.0
2 126.400	53.57		74.00	20.43	101.0	V	144.0	13.0

Note 1) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 3 m, Antenna Height : 1 to 4 meters

Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain) Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor