

RSE-11A-CH100-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
12629.0	49.24	11	38.24	H
16303.0	51.35	16	35.35	H

RSE-11N-CH36-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
31.8	29.08	-16	45.08	V
56.9	29.06	-12	41.06	V

RSE-11N-CH36-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4237.4	44.23	1	43.23	V
5759.6	60.26	2	58.26	H
6906.8	62.35	4	58.35	V
7098.2	56.24	4	52.24	V

RSE-11N-CH36-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
10358.2	64.38	8	56.38	V
15573.6	49.61	14	35.61	V

RSE-11N-CH52-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
56.6	29.19	-12	41.19	V
205.0	26.77	-13	39.77	V

RSE-11N-CH52-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4156.6	44.61	1	43.61	V

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5760.0	54.6	2	52.6	V
7013.4	64.61	4	60.61	V
7179.6	52.17	4	48.17	V

RSE-11N-CH52-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
14002.2	50.67	12	38.67	H
17109.6	53.3	17	36.3	V

RSE-11N-CH100-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
33.4	26.88	-16	42.88	V
55.9	28.21	-12	40.21	V

RSE-11N-CH100-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4205.2	43.8	1	42.8	H
5760.0	54.04	2	52.04	V

RSE-11N-CH100-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
11641.8	49.29	10	39.29	H
16311.6	51.74	16	35.74	H

RSE-11N(40M)-CH38-30M-1G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
31.5	29.4	-16	45.4	V
60.2	29	-13	42	V

RSE-11N(40M)-CH38-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
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4539.8	42.11	1	41.11	V
5760.0	60.53	2	58.53	H
6920.0	60.24	4	56.24	V
7112.6	53.77	4	49.77	V

RSE-11N(40M)-CH38-8G-18G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
10367.6	58.93	8	50.93	V
16384.4	51.65	16	35.65	H

RSE-11N(40M)-CH62-30M-1G(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
34.9	27.13	-15	42.13	V
57.1	28.85	-12	40.85	V

RSE-11N(40M)-CH62-1G-8G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.0	56.11	2	54.11	V
7080.0	62.8	4	58.8	V
7232.4	51.89	4	47.89	V

RSE-11N(40M)-CH62-8G-18G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12184.4	48.51	11	37.51	H
16307.8	51.53	16	35.53	H

RSE-11N(40M)-CH102-30M-1G(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
34.3	28.13	-15	43.13	V
203.8	26.89	-13	39.89	V

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RSE-11N(40M)-CH102-1G-8G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
4374.4	43.07	1	42.07	H
7069.0	44.73	4	40.73	H

RSE-11N(40M)-CH102-8G-18G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
13680.6	50.17	12	38.17	V
16313.2	53.27	16	37.27	H

RSE-11AX-CH48-30M-1G(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
35.7	29.36	-15	44.36	V
57.0	28.91	-12	40.91	V

RSE-11AX-CH48-1G-8G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
4129.4	43.89	1	42.89	V
5760.2	56.47	2	54.47	H
6986.8	63.74	4	59.74	V
7156.6	52.75	4	48.75	V

RSE-11AX-CH48-8G-18G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11636.6	48.11	10	38.11	H
16303.6	52.29	16	36.29	V

RSE-11AX-CH64-30M-1G(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
31.5	29.63	-16	45.63	V
56.6	29.16	-12	41.16	V

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RSE-11AX-CH64-1G-8G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
4278.2	43.25	1	42.25	H
5760.0	56.69	2	54.69	V
7093.4	63.51	4	59.51	V
7234.6	49.28	4	45.28	V

RSE-11AX-CH64-8G-18G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12000.0	49.34	10	39.34	H
14002.2	49.49	12	37.49	V

RSE-11AX-CH100-30M-1G(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
32.5	28.05	-16	44.05	V
35.6	28.89	-15	43.89	V

RSE-11AX-CH100-1G-8G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
3185.4	43.49	0	43.49	V
4192.8	43.6	1	42.6	V
5760.0	54.38	2	52.38	H

RSE-11AX-CH100-8G-18G(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12115.0	48.23	10	38.23	V
16304.4	51.47	16	35.47	V

RSE-11AX(40M)-CH38-30M-1G(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
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35.3	23.18	-15	38.18	H
69.5	26.51	-15	41.51	H

RSE-11AX(40M)-CH38-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4480.6	43.8	1	42.8	V
5760.0	57.41	2	55.41	H
6920.2	58.64	4	54.64	V
7097.6	48.61	4	44.61	V

RSE-11AX(40M)-CH38-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
12481.6	51.08	10	41.08	V
16302.4	54.86	16	38.86	H

RSE-11AX(40M)-CH54-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
35.9	29.48	-15	44.48	V
60.1	28.32	-13	41.32	V

RSE-11AX(40M)-CH54-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
3184.4	44.61	0	44.61	V
5760.0	55.78	2	53.78	H
7026.8	61.84	4	57.84	V

RSE-11AX(40M)-CH54-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
11649.6	49.09	10	39.09	H
16305.6	52.26	16	36.26	V

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RSE-11AX(40M)-CH118-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
35.0	24.14	-15	39.14	H
68.7	26.89	-15	41.89	H

RSE-11AX(40M)-CH118-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4228.8	44.15	1	43.15	H
6715.4	52.01	4	48.01	V

RSE-11AX(40M)-CH118-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
14003.6	49.38	12	37.38	H
16305.2	52.49	16	36.49	H

RSE-11AX(80M)-CH42-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
35.8	27.9	-15	42.9	V
56.8	28.7	-12	40.7	V

RSE-11AX(80M)-CH42-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4222.0	43.58	1	42.58	H
5760.2	57.41	2	55.41	H
6946.8	59.83	4	55.83	V

RSE-11AX(80M)-CH42-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
9413.2	45.24	6	39.24	V
14016.2	51.07	12	39.07	H

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**RSE-11AX(80M)-CH58-30M-1G(QP)**

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
35.8	29.57	-15	44.57	V
57.6	27.5	-12	39.5	V

RSE-11AX(80M)-CH58-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
3188.8	43.89	0	43.89	V
5760.2	55.88	2	53.88	V
7053.4	61.3	4	57.3	V

RSE-11AX(80M)-CH58-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
12583.0	50.42	11	39.42	H
16303.2	52.65	16	36.65	V

RSE-11AX(80M)-CH122-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
35.2	23.28	-15	38.28	H
68.1	27.48	-15	42.48	H

RSE-11AX(80M)-CH122-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4224.8	44.15	1	43.15	H
6739.6	51.1	4	47.1	V

RSE-11AX(80M)-CH122-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
10261.8	47.53	8	39.53	H
13678.8	49.22	12	37.22	H

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RSE-11AX(160M)-CH50-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
35.1	23.62	-15	38.62	H
68.3	27.39	-15	42.39	H

RSE-11AX(160M)-CH50-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4158.8	44.09	1	43.09	V
5760.2	54.07	2	52.07	H
7000.0	64.31	4	60.31	V

RSE-11AX(160M)-CH50-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
11937.0	47.39	10	37.39	V
16305.0	51.49	16	35.49	V

RSE-11AX(160M)-CH114-30M-1G(QP)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
34.8	23.26	-15	38.26	H
67.8	27.52	-15	42.52	H

RSE-11AX(160M)-CH114-1G-8G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
4446.2	44.32	2	42.32	V
6686.2	45.73	4	41.73	V

RSE-11AX(160M)-CH114-8G-18G(PEAK)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
11638.4	50.07	10	40.07	V
16307.6	51.9	16	35.9	H

Secondary supply (S11 L15B1)

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RSE-30M-1G-11AC(160M)-CH50(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
65.1	29.67	-14	43.67	V
284.5	32.34	-11	43.34	H

RSE-1G-8G-11AC(160M)-CH50(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
4008.0	43.96	1	42.96	H
7000.0	56.85	4	52.85	V

RSE-8G-18G-11AC(160M)-CH50(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12000.0	47.96	10	37.96	V
16313.6	51.59	16	35.59	V

RSE-30M-1G-11AC(160M)-CH114(QP)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
31.4	29.99	-16	45.99	V
284.4	32.68	-11	43.68	H

RSE-1G-8G-11AC(160M)-CH114(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
4133.4	42.85	1	41.85	V
6897.6	44.79	4	40.79	V

RSE-8G-18G-11AC(160M)-CH114(PEAK)

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11642.2	49.69	10	39.69	H
16303.0	52.15	16	36.15	V

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6.9 Frequency Stability

Manufacturers ensured the EUT meet the requirement of frequency stability, such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.(According to15.407(g)).

6.10 AC Powerline Conducted Emission

Specifications:	15.207
DUT Serial Number:	S8 S11
Test conditions:	Ambient Temperature:20°C Relative Humidity:40% Air pressure: 90kPa
Test Results:	Pass

Method of Measurement: ANSI C63.10-2013-clause 6.2

1.The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.

2.f the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.

3.The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.

4.If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.³⁶ Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

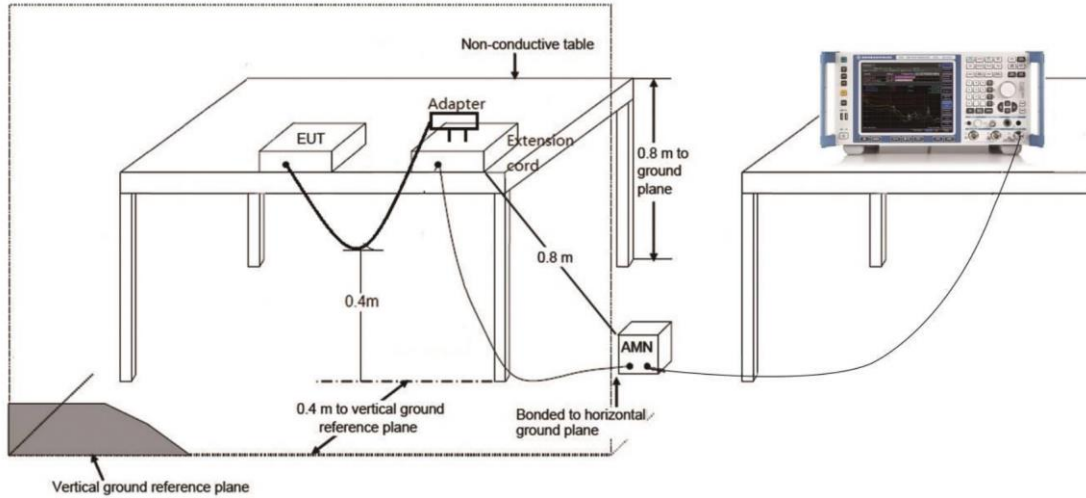
Measurement Uncertainty:

Measurement Uncertainty	1.97dB (k=2)
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Test Setup



Test Condition

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

(Quasi-peak-average Limit)

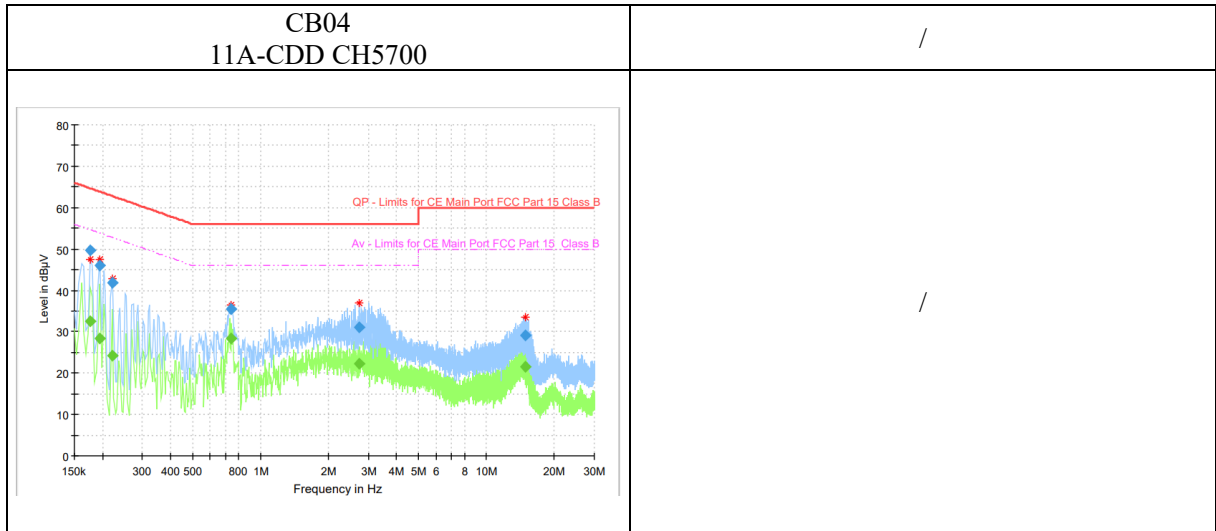
Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Conclusion
0.15 to 0.5	66 to 56	56 to 46	P
0.5 to 5	56	46	
5 to 30	60	50	

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

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Measurement Results:



Frequency (MHz)	QuasiPeak (dBµV)	Average (dµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.176119	---	32.56	54.67	22.11	15000.0	9.000	L1	ON	9.6
0.176119	49.69	---	64.67	14.97	15000.0	9.000	L1	ON	9.6
0.194775	---	28.43	53.83	25.40	15000.0	9.000	L1	ON	9.6
0.194775	46.07	---	63.83	17.76	15000.0	9.000	L1	ON	9.6
0.220894	---	24.21	52.79	28.58	15000.0	9.000	L1	ON	9.6
0.220894	41.84	---	62.79	20.95	15000.0	9.000	L1	ON	9.6
0.739538	---	28.48	46.00	17.52	15000.0	9.000	N	ON	9.6
0.739538	35.44	---	56.00	20.56	15000.0	9.000	N	ON	9.6
2.728294	---	22.38	46.00	23.62	15000.0	9.000	N	ON	9.6
2.728294	30.98	---	56.00	25.02	15000.0	9.000	N	ON	9.6
14.802619	---	21.60	50.00	28.40	15000.0	9.000	N	ON	9.9
14.802619	29.00	---	60.00	31.00	15000.0	9.000	N	ON	9.9

Note:

1. All modes have been tested and only the worst mode is recorded in the report.

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ANNEX A EUT Photos

See the document” I23W00036-External Photos”.

See the document” I23W00036-Internal Photos”.

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ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

*****END OF REPORT*****

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