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AIR

SR800 - D21

MIL STD 461 Report





Interocean EMC Technology Corp.

宇海科技股份有限公司 Interocean EMC Technology Corp.

新北市林口區頂福里 1 鄰 5-2 號
No.5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City, Taiwan 244, R.O.C.

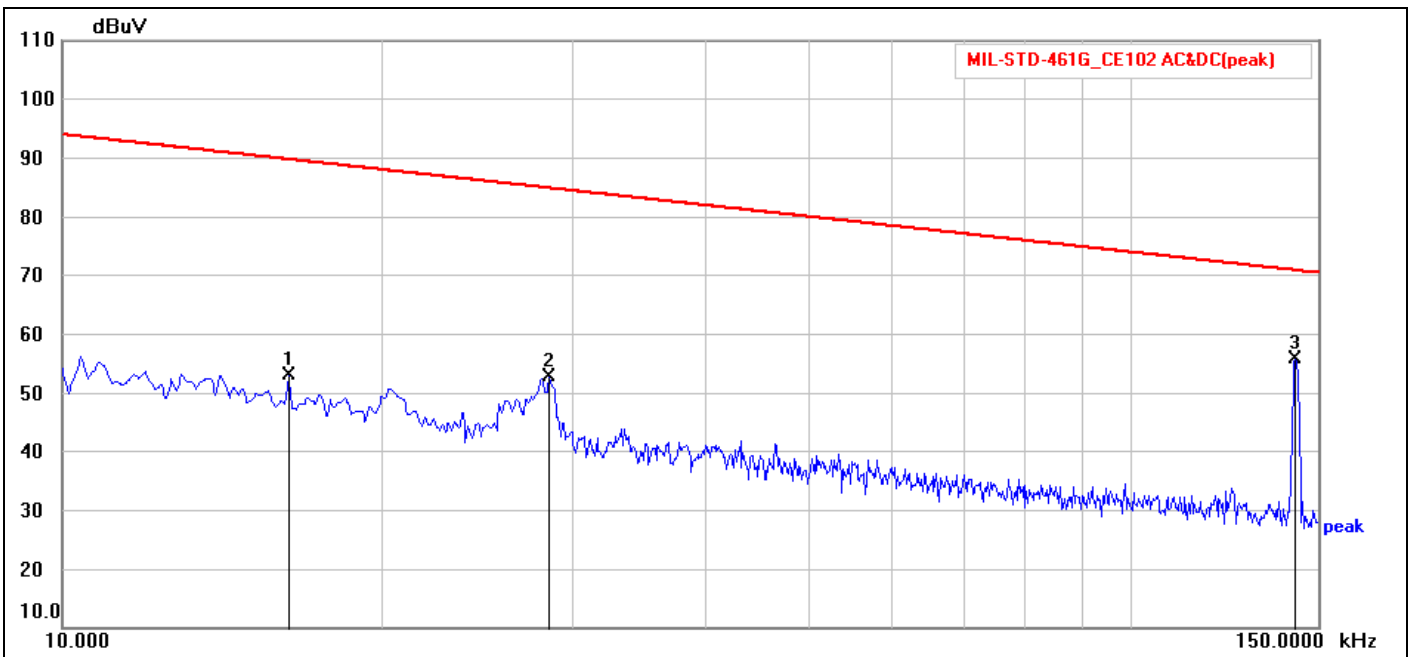
<http://www.ietc.com.tw>

Tel: +886-2-2600-6861

Fax: +886-2-2600-6859

Job No.:	Pretest	Polarization:	L1
Standard:	MIL-STD-461G_CE102 AC&DC	Power Source:	DC28V
Test item:	Conduction Test	Date:	2024/4/2
Company:	百威	Time:	11:25:55
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:			
Note:			

Range1 :0.01--0.15(MHz) / RBW:1(kHz) / VBW:3(kHz)



No.	Frequency (kHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	16.300	29.11	23.90	53.01	89.75	-36.74	peak	P	
2	28.620	30.94	21.69	52.63	84.86	-32.23	peak	P	
3	143.140	35.19	20.60	55.79	70.87	-15.08	peak	P	



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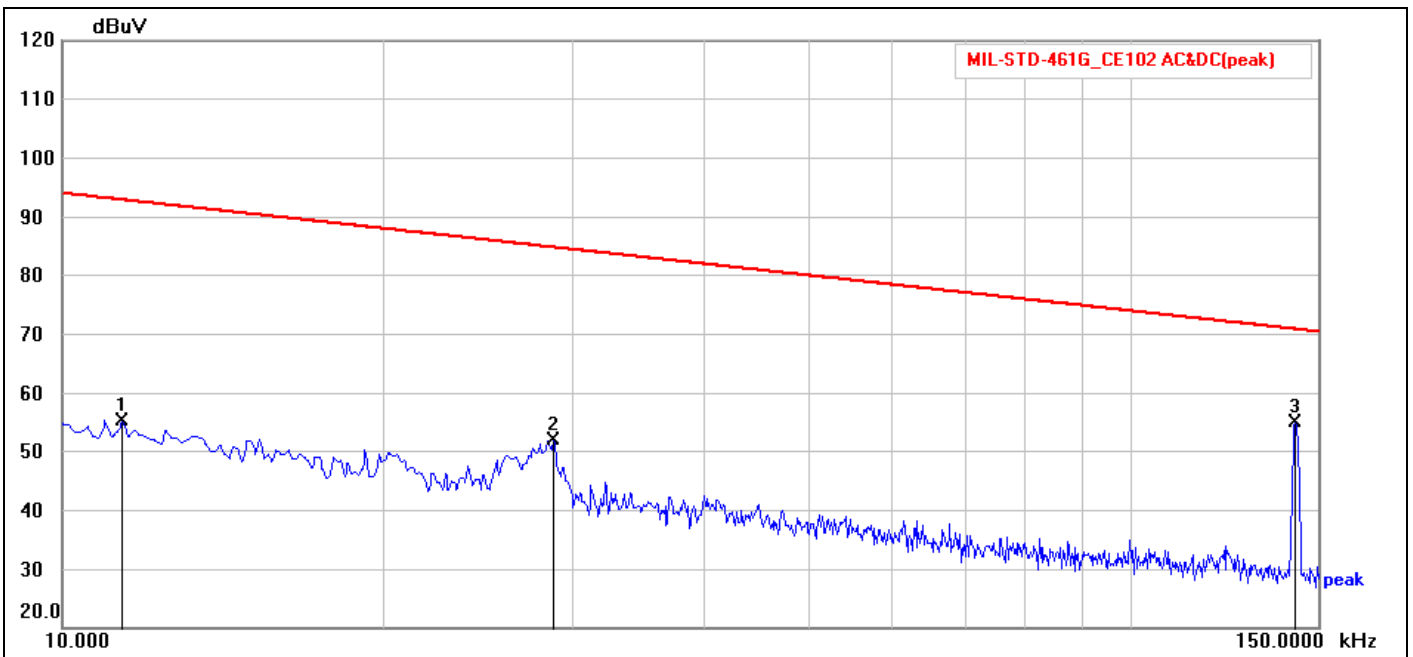
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Job No.:	Pretest	Polarization:	N
Standard:	MIL-STD-461G_CE102 AC&DC	Power Source:	DC28V
Test item:	Conduction Test	Date:	2024/4/2
Company:	百威	Time:	11:31:23
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:			
Note:			

Range1 :0.01--0.15(MHz) / RBW:1(kHz) / VBW:3(kHz)



No.	Frequency (kHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	11.400	29.43	25.73	55.16	92.86	-37.70	peak	P	
2	28.900	30.15	21.69	51.84	84.78	-32.94	peak	P	
3	143.140	34.28	20.60	54.88	70.87	-15.99	peak	P	



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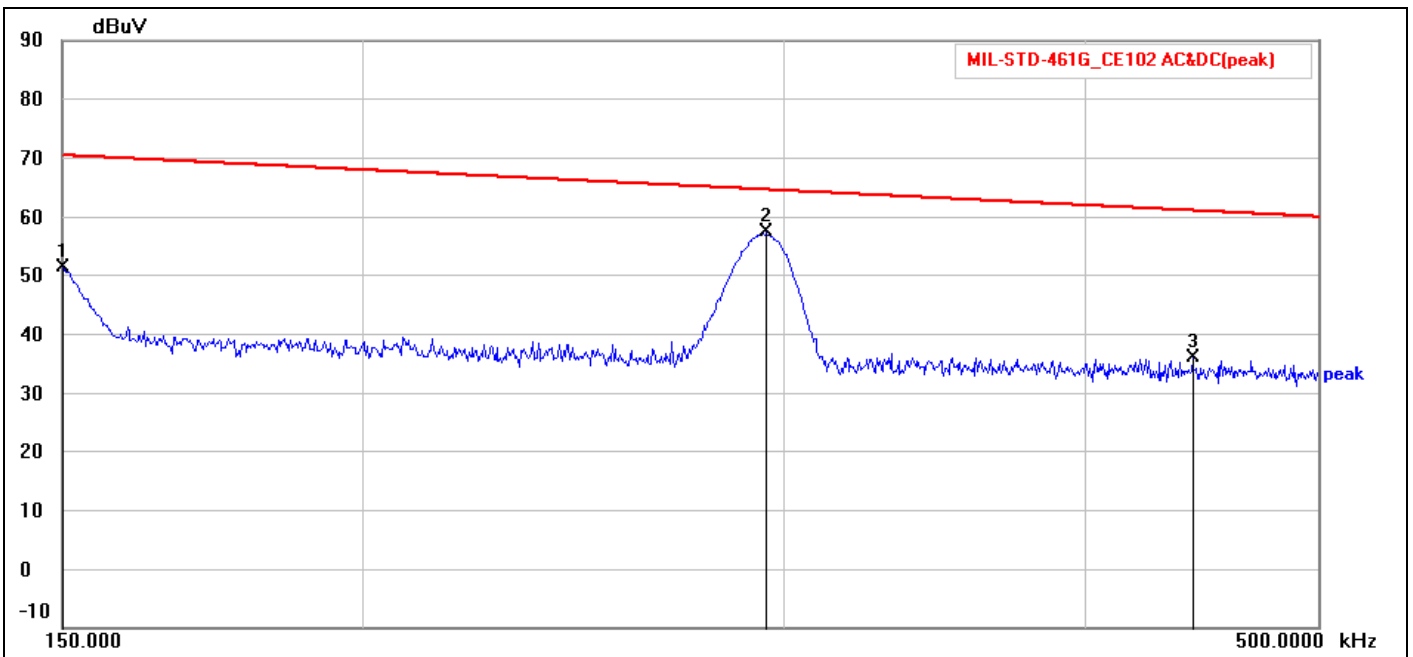
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Job No.:	Pretest	Polarization:	L1
Standard:	MIL-STD-461G_CE102 AC&DC	Power Source:	DC28V
Test item:	Conduction Test	Date:	2024/4/2
Company:	百威	Time:	11:26:47
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:			
Note:			

Range1 :0.15--0.5(MHz) / RBW:10(kHz) / VBW:30(kHz)



No.	Frequency (kHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	150.000	30.71	20.59	51.30	70.46	-19.16	peak	P	
2	294.900	36.56	20.74	57.30	64.59	-7.29	peak	P	
3	443.300	15.32	20.70	36.02	61.05	-25.03	peak	P	



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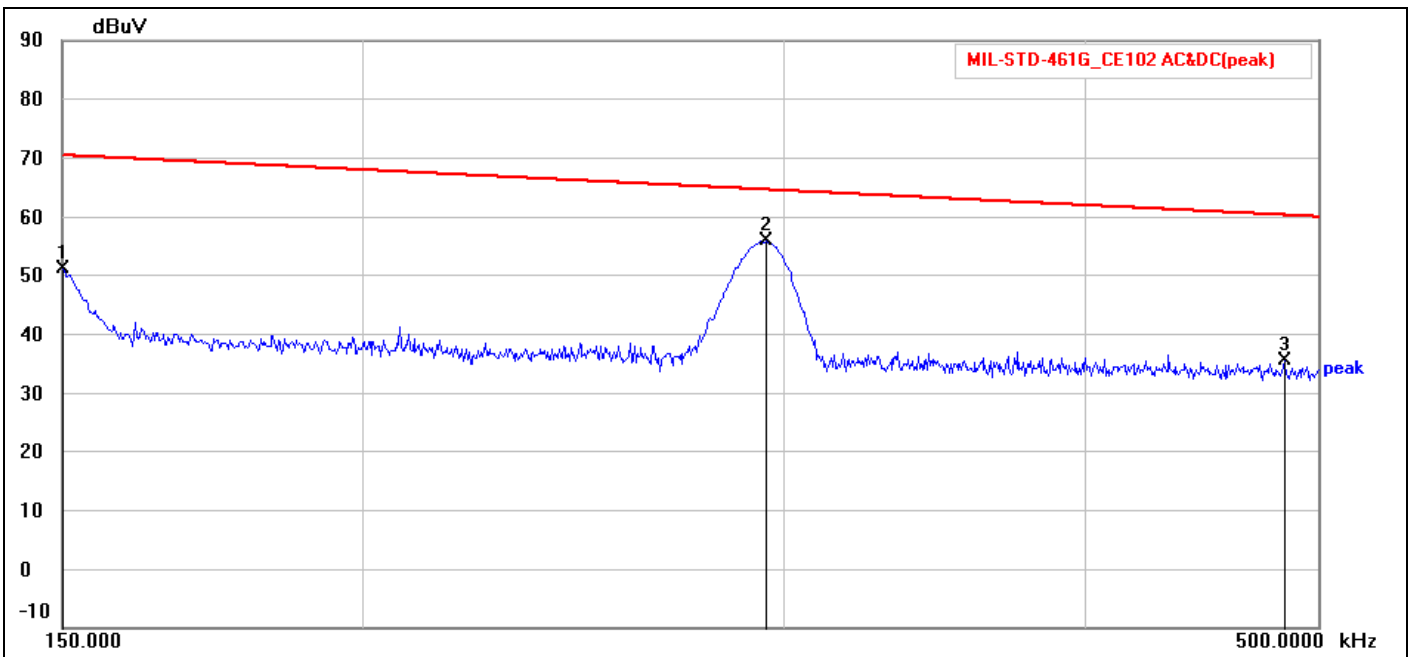
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Job No.:	Pretest	Polarization:	N
Standard:	MIL-STD-461G_CE102 AC&DC	Power Source:	DC28V
Test item:	Conduction Test	Date:	2024/4/2
Company:	百威	Time:	11:30:28
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:			
Note:			

Range1 :0.15--0.5(MHz) / RBW:10(kHz) / VBW:30(kHz)



No.	Frequency (kHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	150.000	30.57	20.59	51.16	70.46	-19.30	peak	P	
2	294.900	35.05	20.75	55.80	64.59	-8.79	peak	P	
3	484.250	14.88	20.69	35.57	60.28	-24.71	peak	P	



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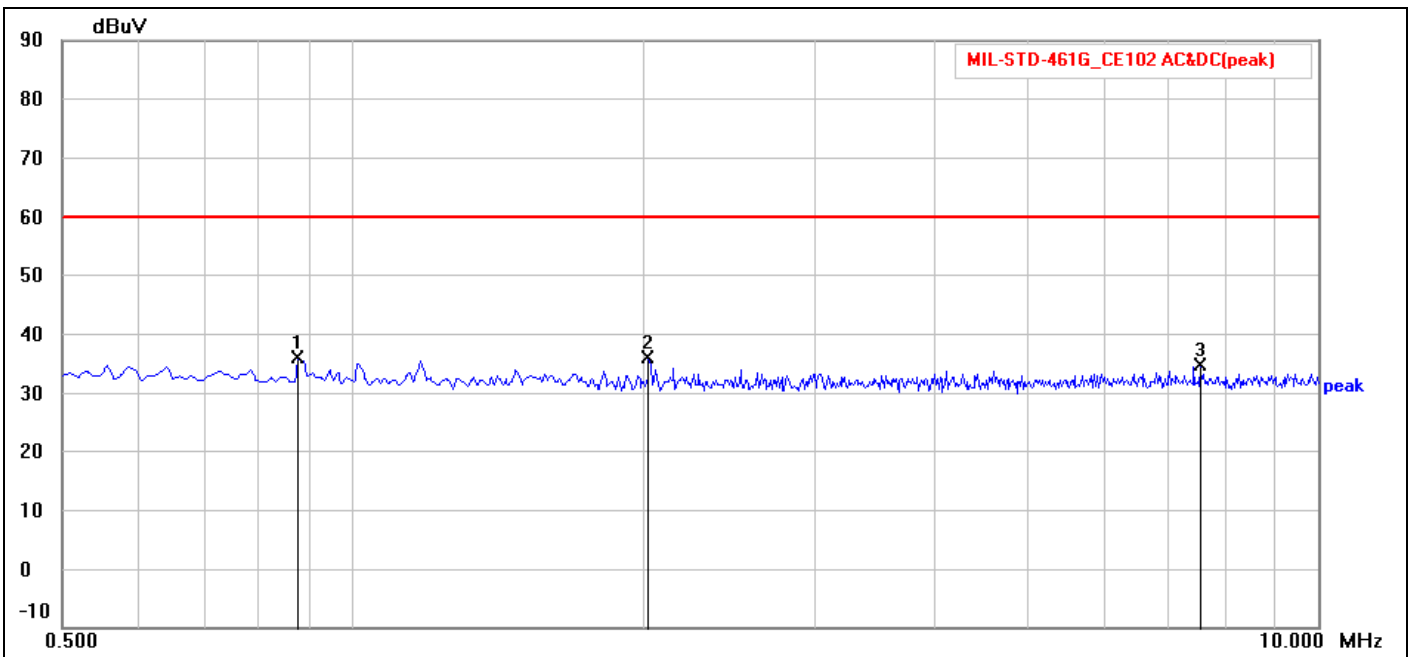
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Job No.:	Pretest	Polarization:	L1
Standard:	MIL-STD-461G_CE102 AC&DC	Power Source:	DC28V
Test item:	Conduction Test	Date:	2024/4/2
Company:	百威	Time:	11:27:55
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:			
Note:			

Range1 :0.5--10(MHz) / RBW:10(kHz) / VBW:30(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.880	15.06	20.60	35.66	60.00	-24.34	peak	P	
2	2.030	15.35	20.38	35.73	60.00	-24.27	peak	P	
3	7.568	13.96	20.48	34.44	60.00	-25.56	peak	P	



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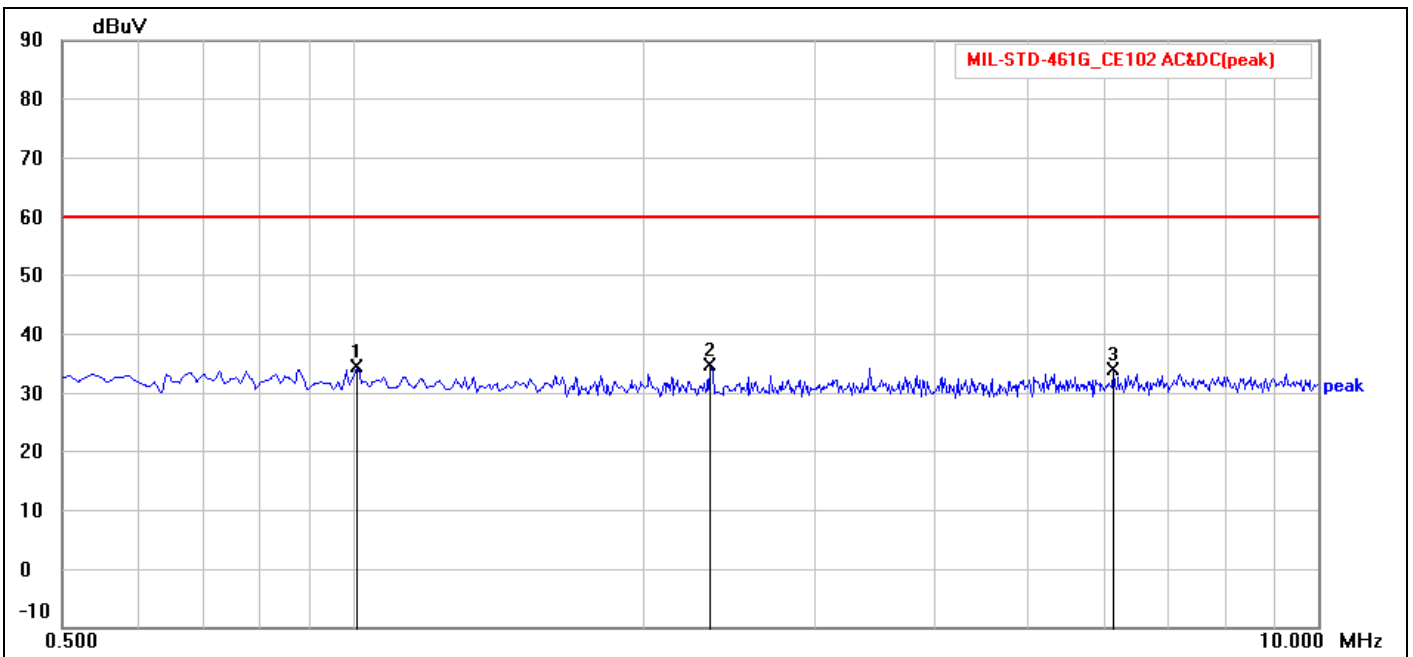
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Job No.:	Pretest	Polarization:	N
Standard:	MIL-STD-461G_CE102 AC&DC	Power Source:	DC28V
Test item:	Conduction Test	Date:	2024/4/2
Company:	百威	Time:	11:29:36
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:			
Note:			

Range1 :0.5--10(MHz) / RBW:10(kHz) / VBW:30(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	1.013	13.57	20.59	34.16	60.00	-25.84	peak	P	
2	2.353	14.02	20.39	34.41	60.00	-25.59	peak	P	
3	6.152	13.22	20.44	33.66	60.00	-26.34	peak	P	



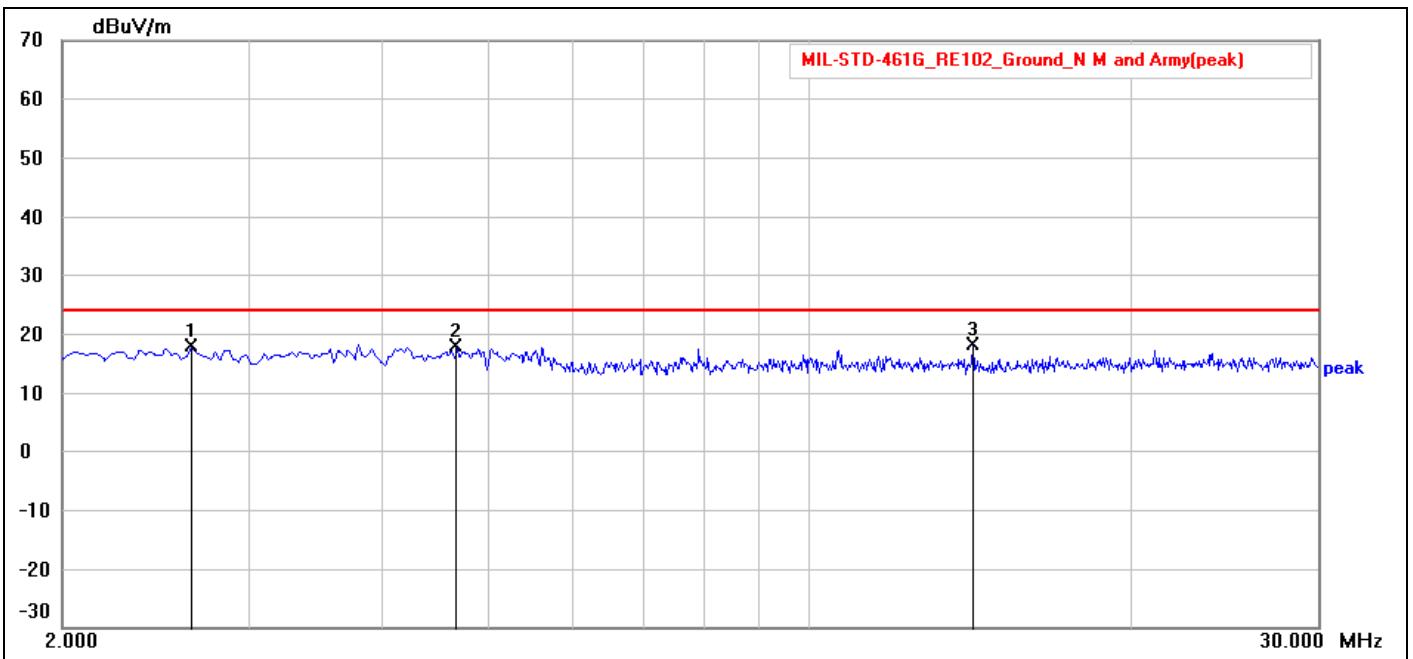
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Job No.:	Pretest	Polarization:	Vertical
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:05:23
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:	(內部電源線無 core,外部無 shilding 及 core)		

Range1 :2--30(MHz) / RBW:10(kHz) / VBW:30(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2.644	17.31	0.37	17.68	24.00	-6.32	peak	P	
2	4.688	17.40	0.44	17.84	24.00	-6.16	peak	P	
3	14.264	17.51	0.58	18.09	24.00	-5.91	peak	P	



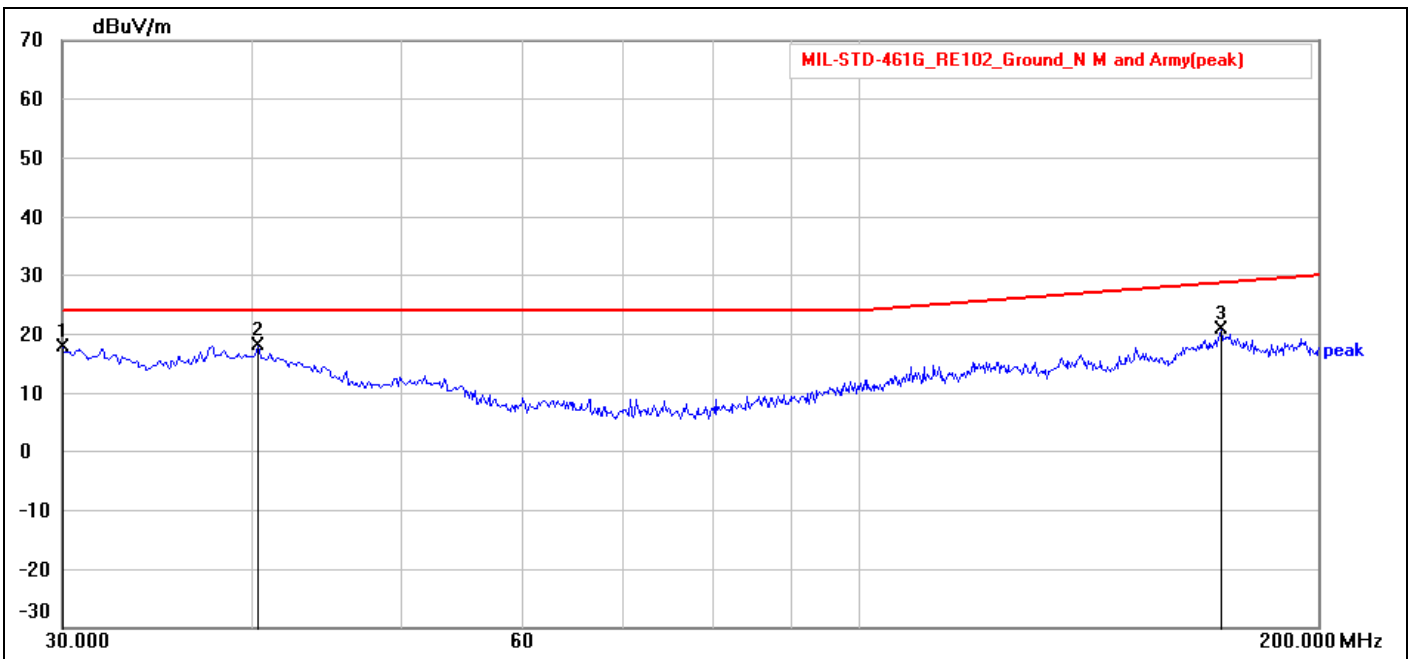
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Job No.:	Pretest	Polarization:	Horizontal
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:13:27
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:	(內部電源線無 core,外部無 shilding 及 core)		

Range1 :30--200(MHz) / RBW:100(kHz) / VBW:300(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	30.000	31.14	-13.41	17.73	24.00	-6.27	peak	P	
2	40.370	33.66	-15.58	18.08	24.00	-5.92	peak	P	
3	173.140	35.64	-14.89	20.75	28.76	-8.01	peak	P	



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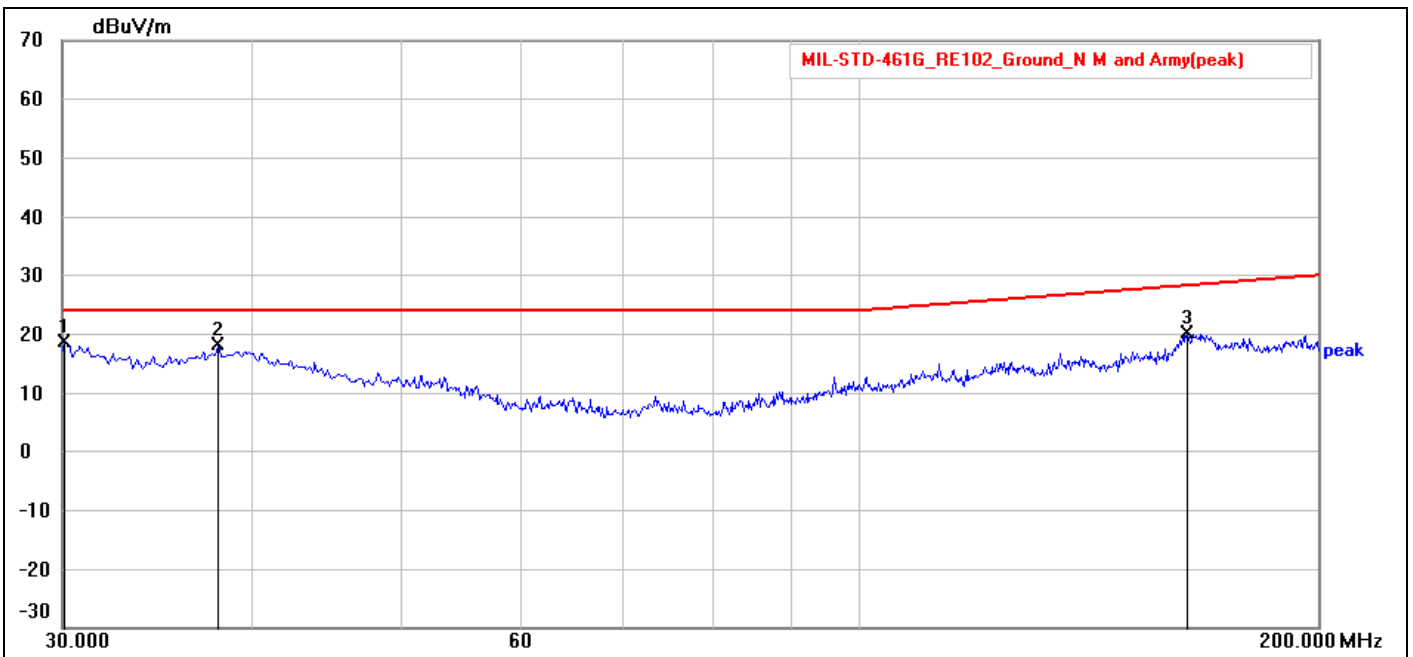
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Job No.:	Pretest	Polarization:	Vertical
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:10:48
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:	內部電源線無 core,外部無 shilding 及 core		

Range1 :30--200(MHz) / RBW:100(kHz) / VBW:300(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	30.170	31.86	-13.44	18.42	24.00	-5.58	peak	P	
2	37.990	33.00	-15.00	18.00	24.00	-6.00	peak	P	
3	164.300	35.29	-15.23	20.06	28.30	-8.24	peak	P	



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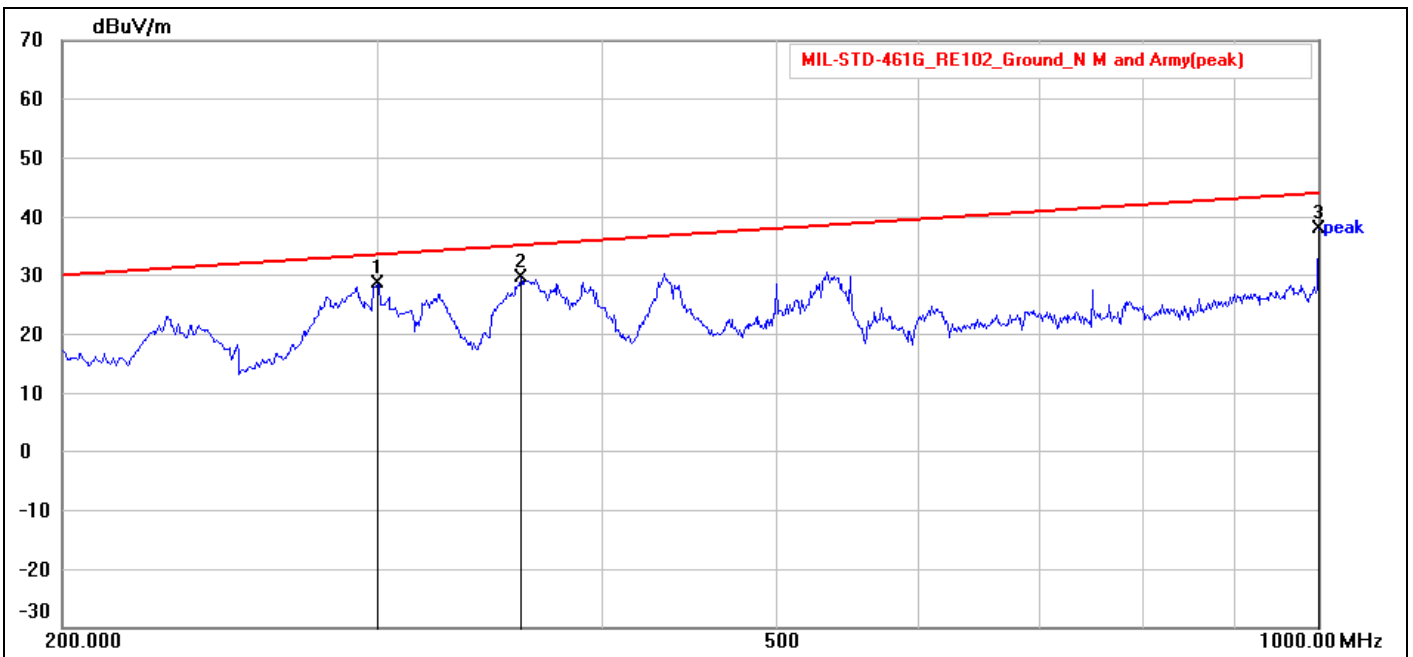
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Job No.:	Pretest	Polarization:	Horizontal
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:21:25
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :200--1000(MHz) / RBW:100(kHz) / VBW:300(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	300.000	46.65	-18.13	28.52	33.52	-5.00	peak	P	
2	360.000	46.83	-17.17	29.66	35.10	-5.44	peak	P	
3	1000.000	42.74	-4.73	38.01	43.95	-5.94	peak	P	



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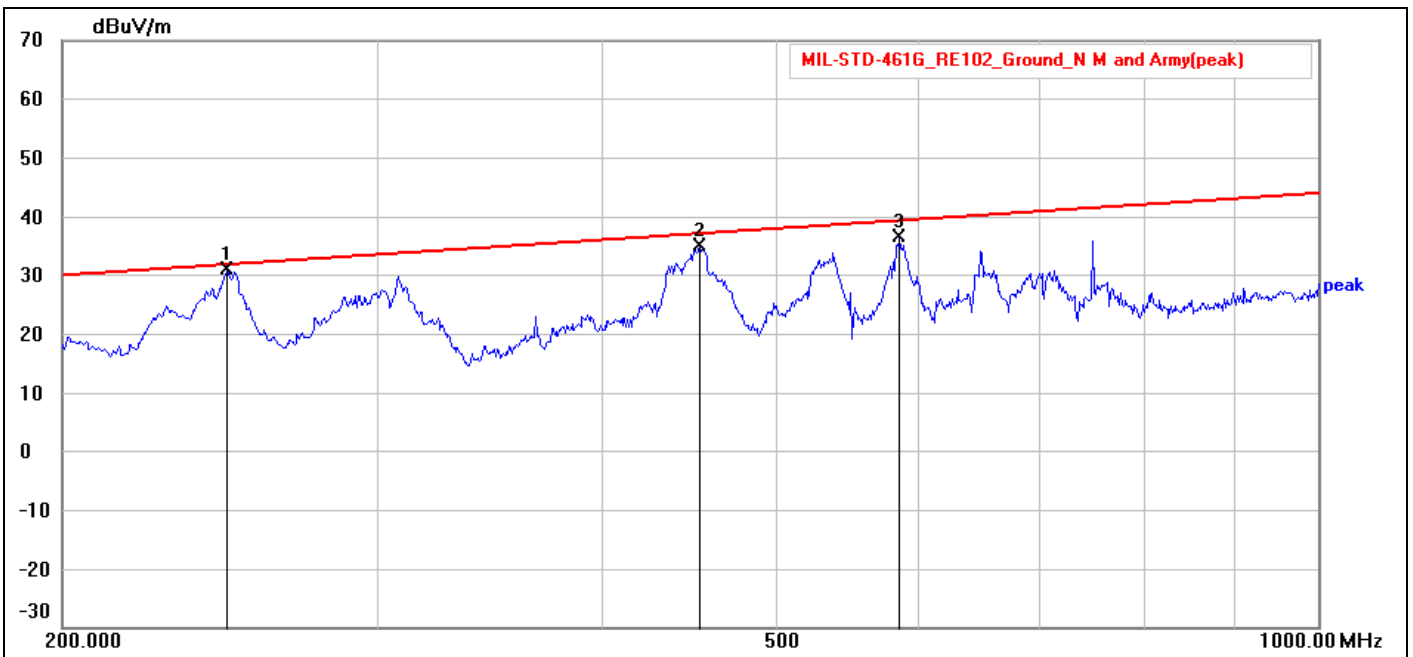
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Job No.:	Pretest	Polarization:	Vertical
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:18:25
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :200--1000(MHz) / RBW:100(kHz) / VBW:300(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	247.200	49.56	-18.81	30.75	31.84	-1.09	peak	P	
2	453.600	50.45	-15.60	34.85	37.10	-2.25	peak	P	
3	585.600	49.50	-13.16	36.34	39.31	-2.97	peak	P	



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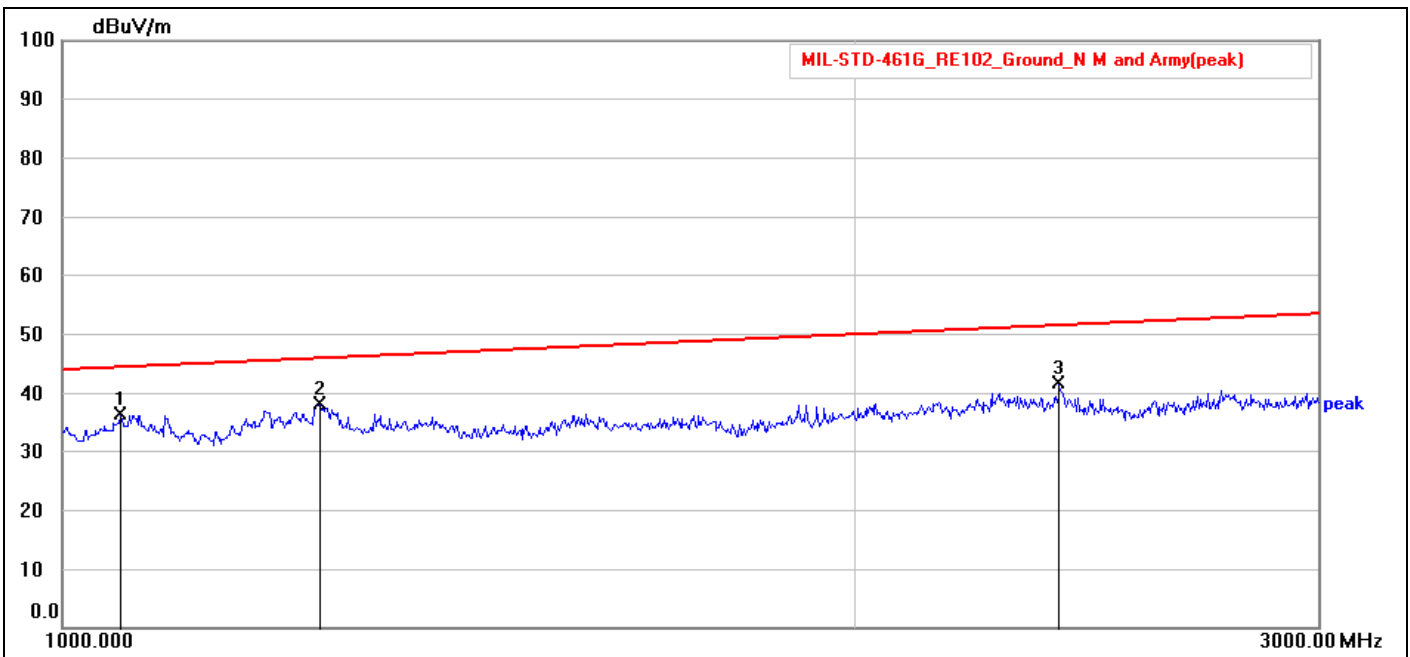
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Job No.:	Pretest	Polarization:	Horizontal
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:31:39
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :1000--3000(MHz) / RBW:1000(kHz) / VBW:3000(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	1051.835	61.72	-25.57	36.15	44.39	-8.24	peak	P	
2	1252.000	62.00	-24.15	37.85	45.90	-8.05	peak	P	
3	2390.000	61.79	-20.29	41.50	51.50	-10.00	peak	P	



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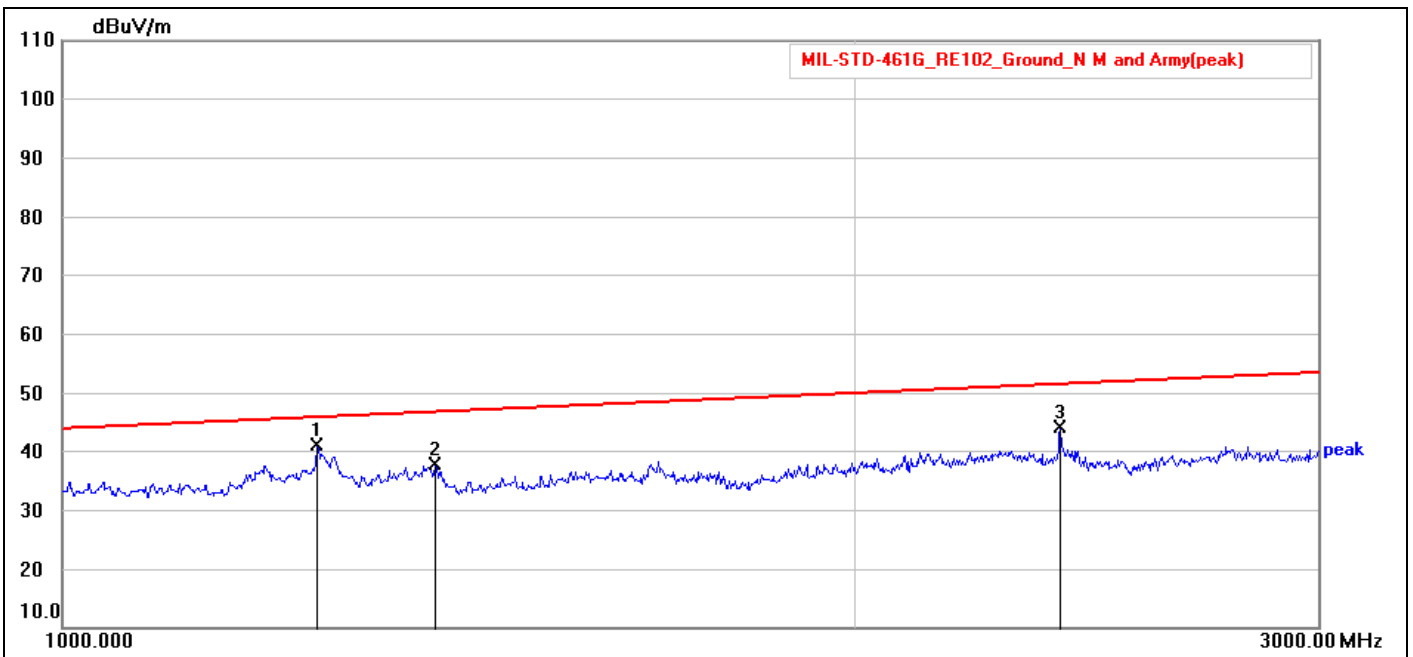
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Job No.:	Pretest	Polarization:	Vertical
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:26:55
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :1000--3000(MHz) / RBW:1000(kHz) / VBW:3000(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	1249.843	65.01	-24.16	40.85	45.88	-5.03	peak	P	
2	1385.814	61.07	-23.46	37.61	46.78	-9.17	peak	P	
3	2394.000	64.09	-20.29	43.80	51.51	-7.71	peak	P	



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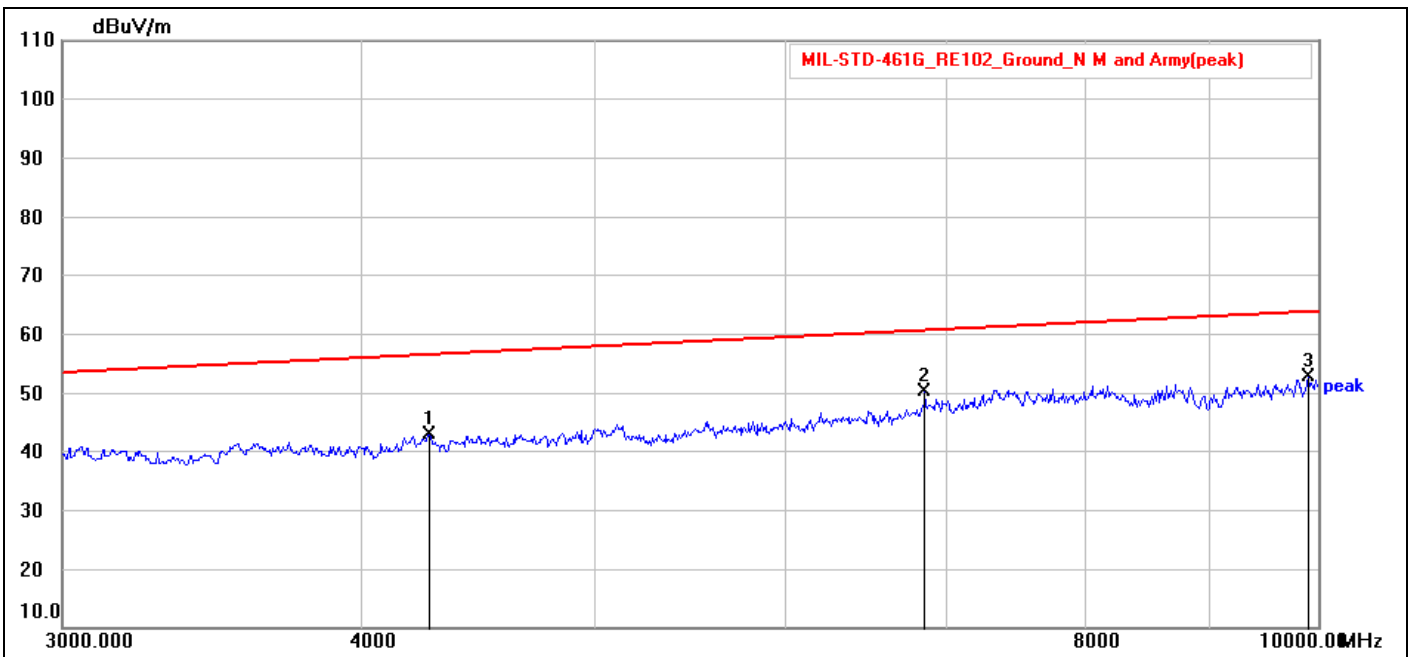
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Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:30:30
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :3000--10000(MHz) / RBW:1000(kHz) / VBW:3000(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	4258.719	59.33	-16.50	42.83	56.51	-13.68	peak	P	
2	6857.000	60.58	-10.35	50.23	60.64	-10.41	peak	P	
3	9895.000	58.18	-5.54	52.64	63.82	-11.18	peak	P	



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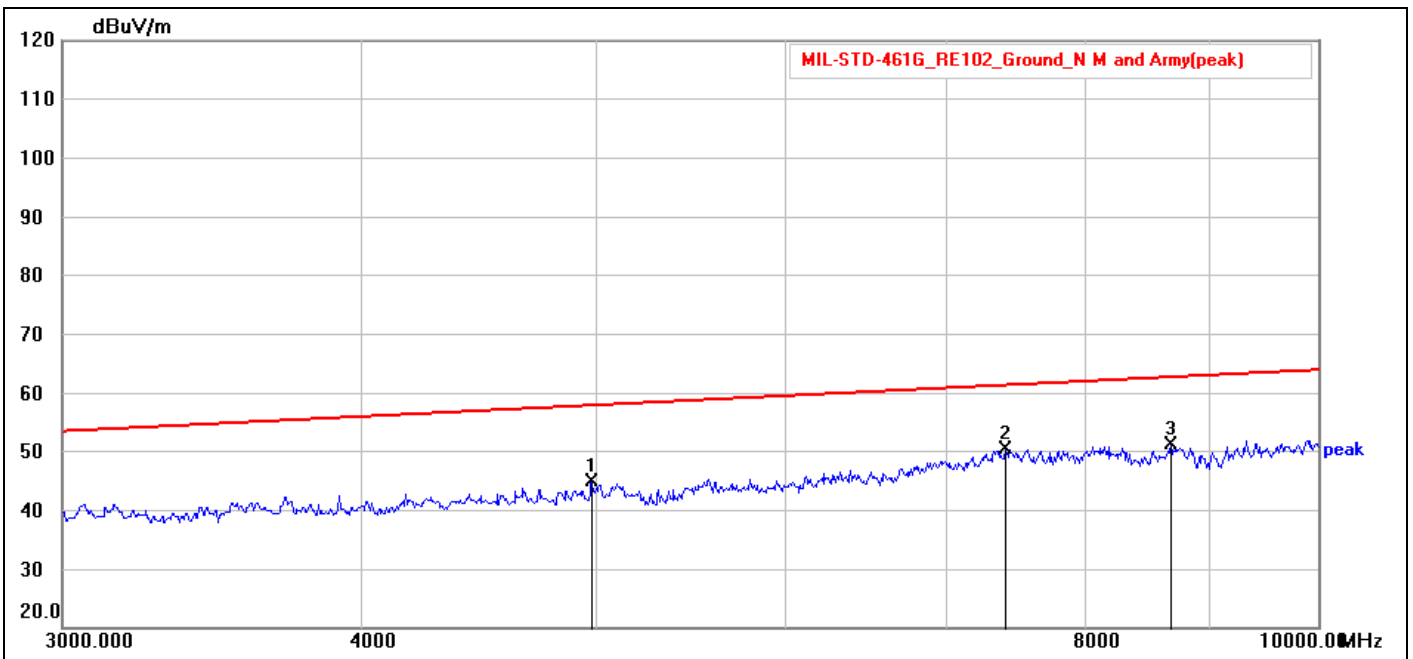
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Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:27:38
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :3000--10000(MHz) / RBW:1000(kHz) / VBW:3000(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	4980.274	59.41	-14.52	44.89	57.87	-12.98	peak	P	
2	7403.000	58.26	-7.88	50.38	61.30	-10.92	peak	P	
3	8677.000	58.99	-7.76	51.23	62.68	-11.45	peak	P	



Interocean EMC Technology Corp.

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No.5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City, Taiwan 244, R.O.C.

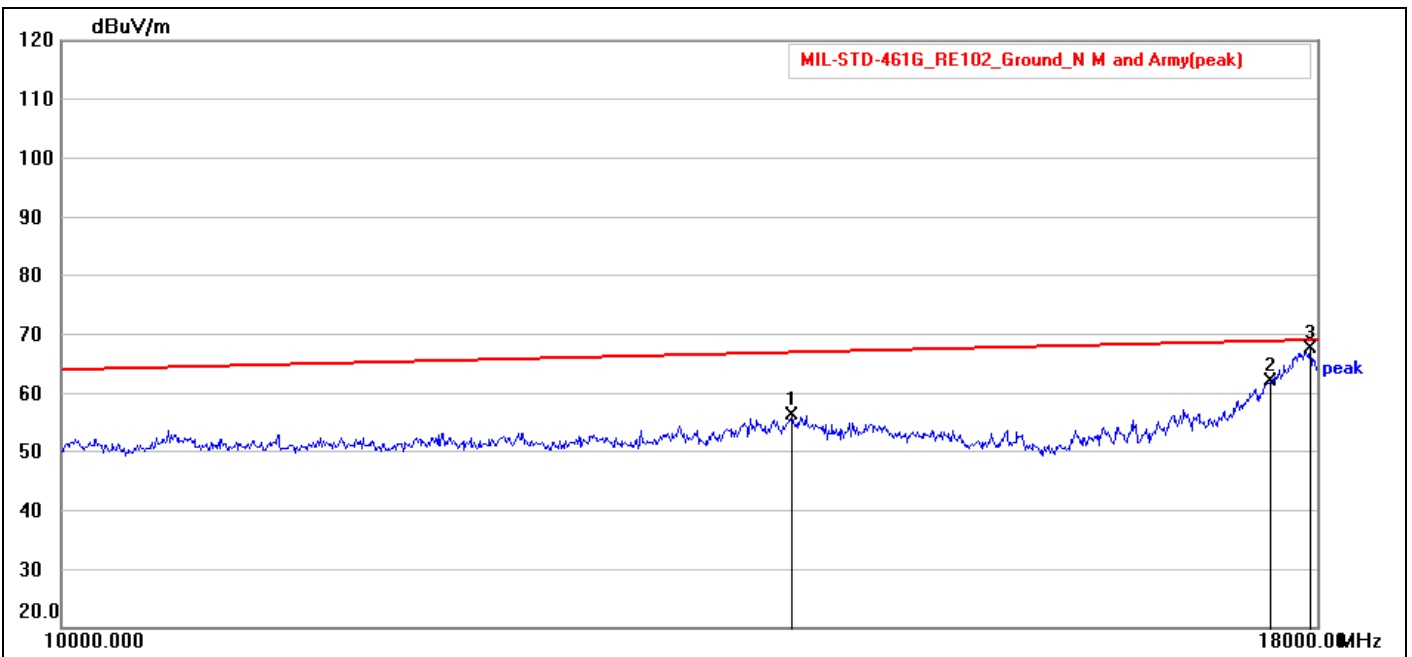
<http://www.ietc.com.tw>

Tel: +886-2-2600-6861

Fax: +886-2-2600-6859

Job No.:	Pretest	Polarization:	Horizontal
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:29:42
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :10000--18000(MHz) / RBW:1000(kHz) / VBW:3000(kHz)



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	14072.000	59.88	-3.62	56.26	66.87	-10.61	peak	P	
2	17608.000	56.66	5.24	61.90	68.81	-6.91	peak	P	
3	17944.000	56.42	11.01	67.43	68.97	-1.54	peak	P	



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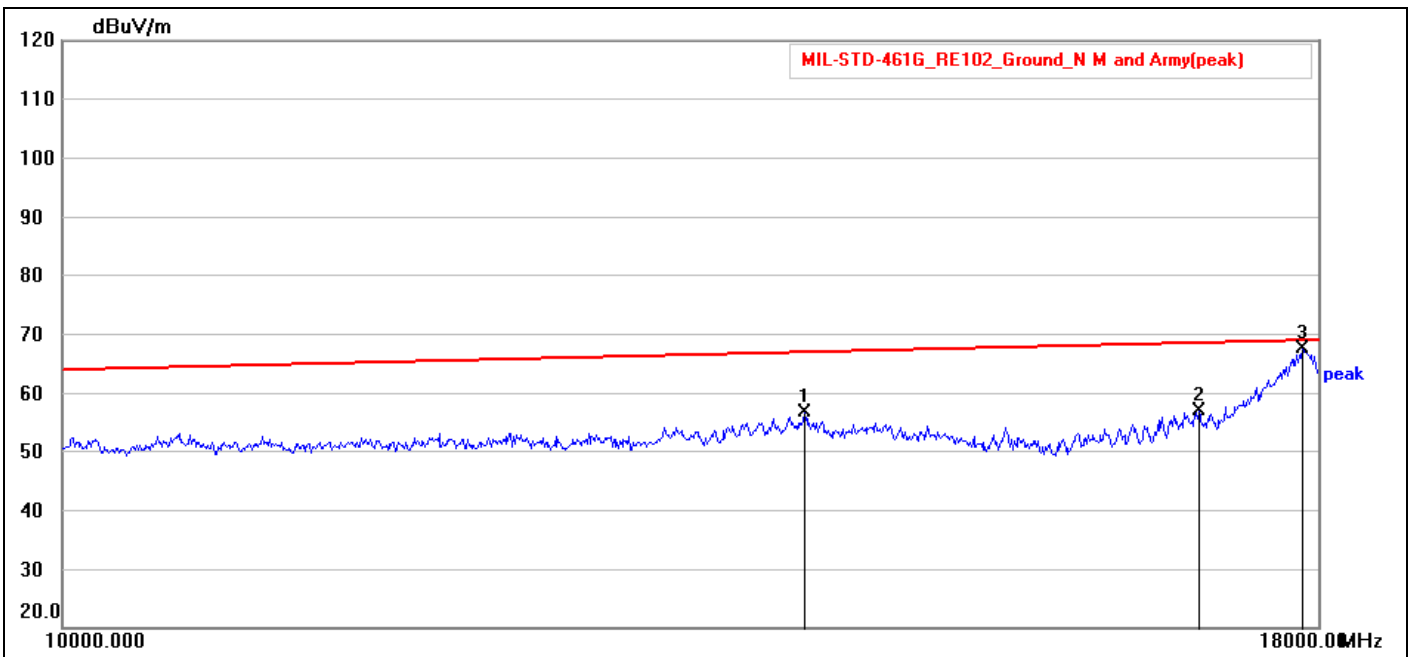
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Job No.:	Pretest	Polarization:	Vertical
Standard:	MIL-STD-461G_RE102_Ground_N M and Army	Power Source:	DC28V
Test item:	Radiation Test	Date:	2024/4/2
Company:	百威	Time:	10:28:23
EUT Name:		Temp.(°C)/Hum.(%):	23.2(°C)/53%
EUT Model:	SR800-D21	Engineer Signature:	Vic Xue
Distance:	1m		
Note:			

Range1 :10000--18000(MHz) / RBW:1000(kHz) / VBW:3000(kHz)

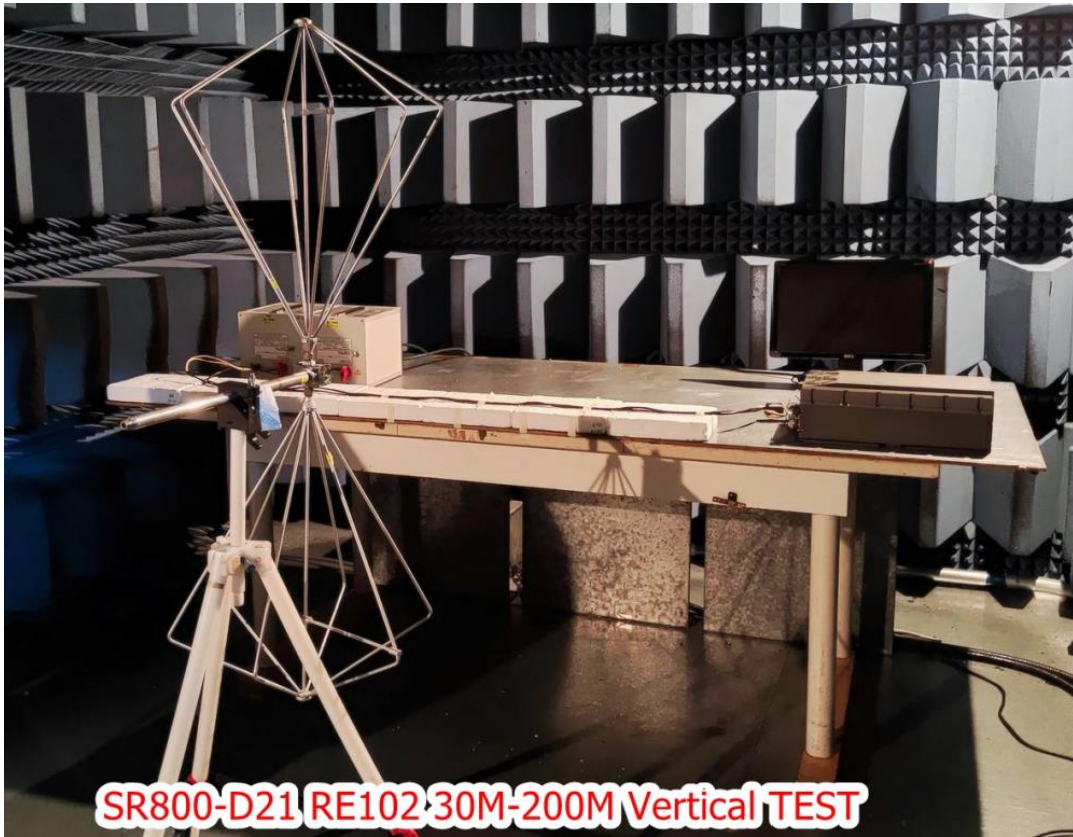


No.	Frequency (MHz)	Reading (dBuV)	Correction Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	14152.000	60.07	-3.40	56.67	66.92	-10.25	peak	P	
2	17016.000	57.91	-1.13	56.78	68.51	-11.73	peak	P	
3	17864.000	56.07	11.37	67.44	68.93	-1.49	peak	P	

TEST PHOTOS



TEST PHOTOS



TEST PHOTOS

