

Test Report No.50217500 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50217500 001AppendixD)

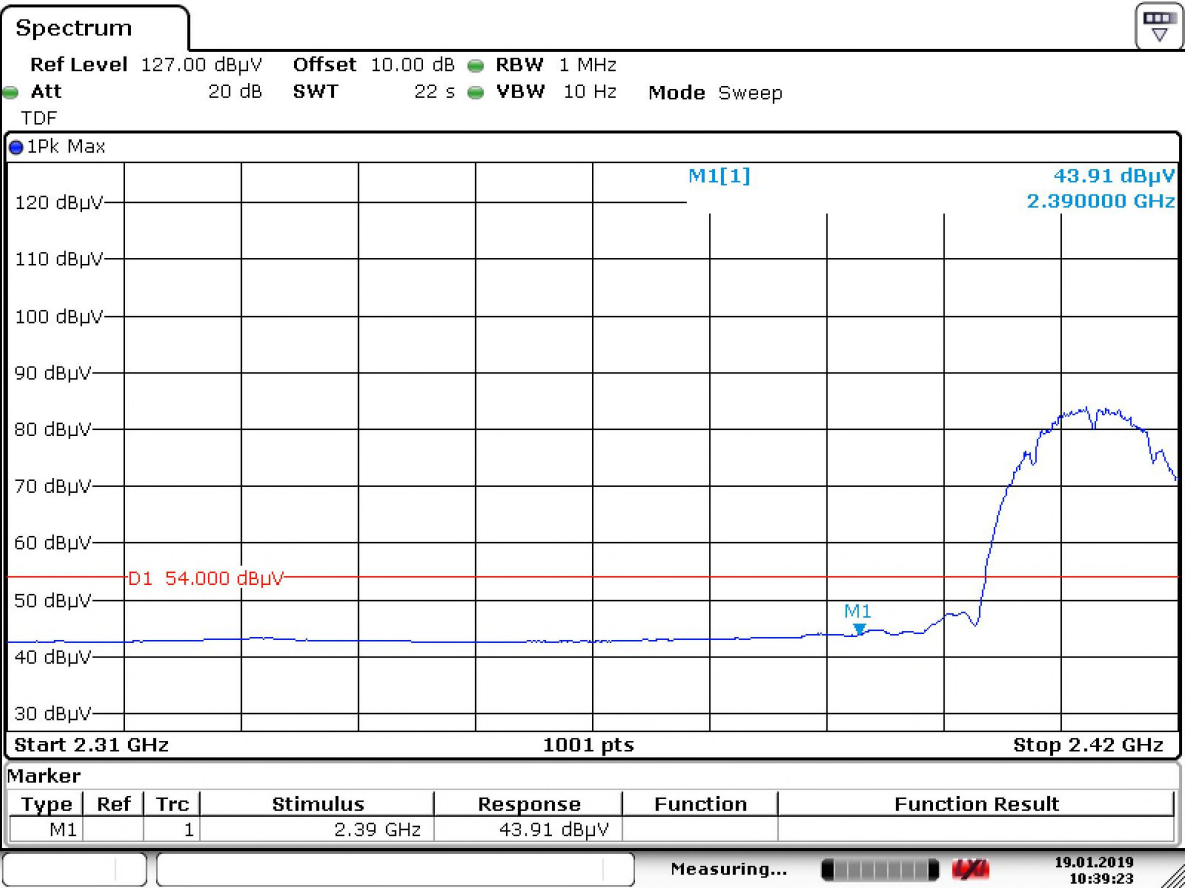
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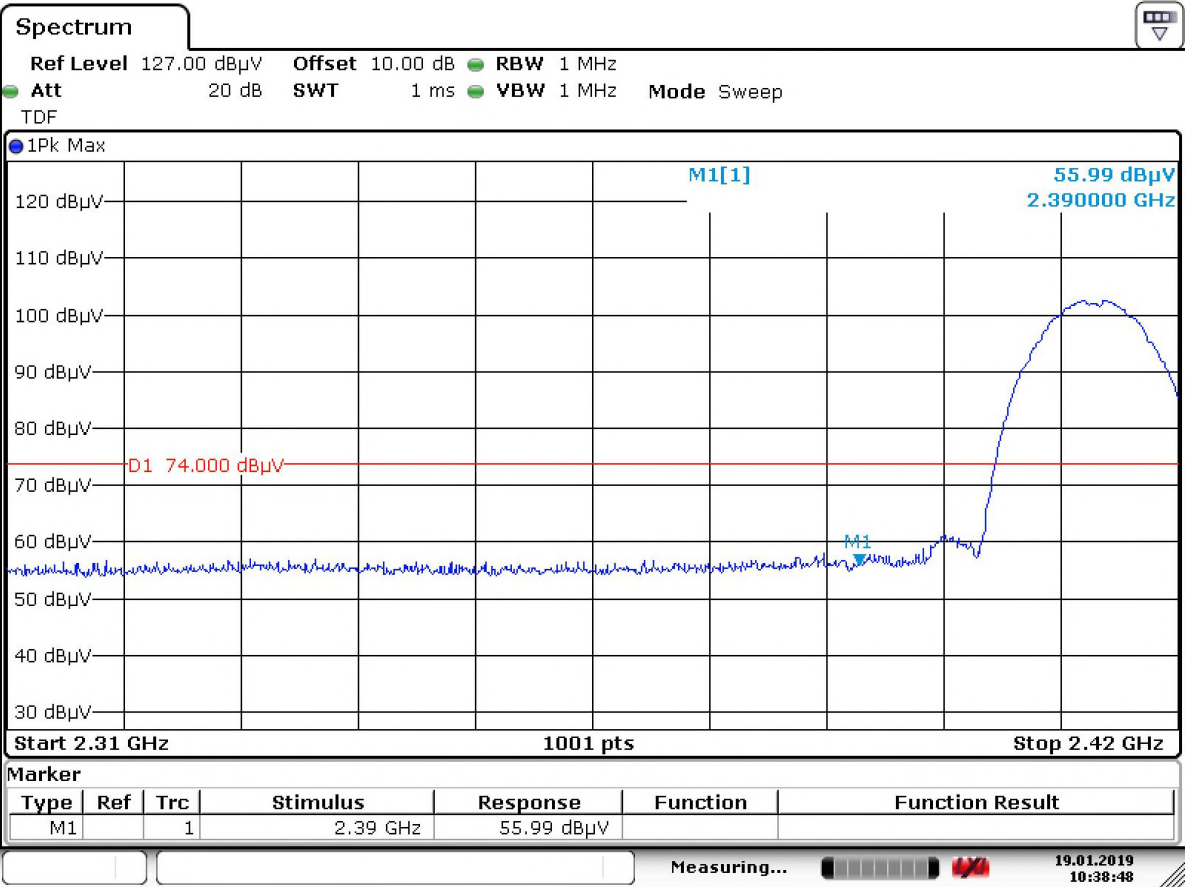
Spurious Emissions, Band Edges, 2.35-2.5G

802.11b

Low Channel (Horizontal)

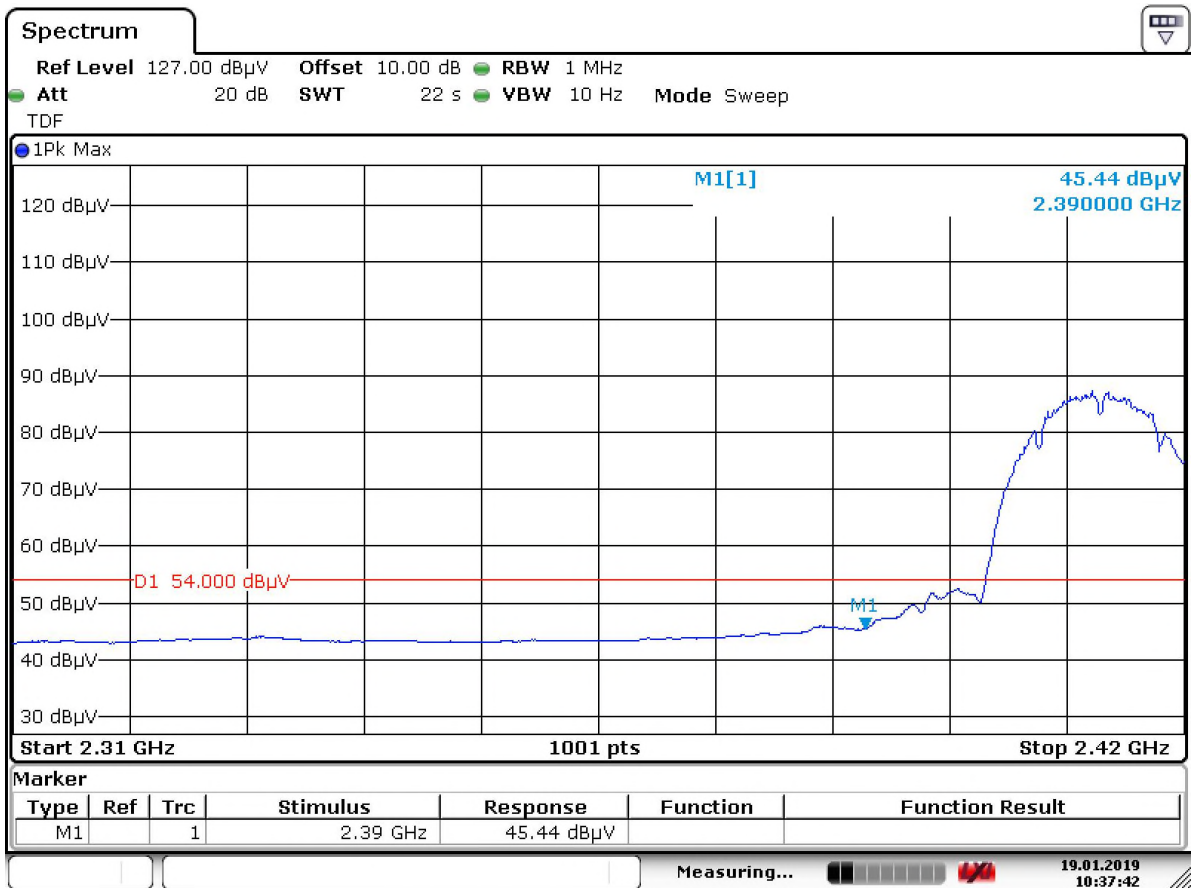


Date: 19.JAN.2019 10:39:22

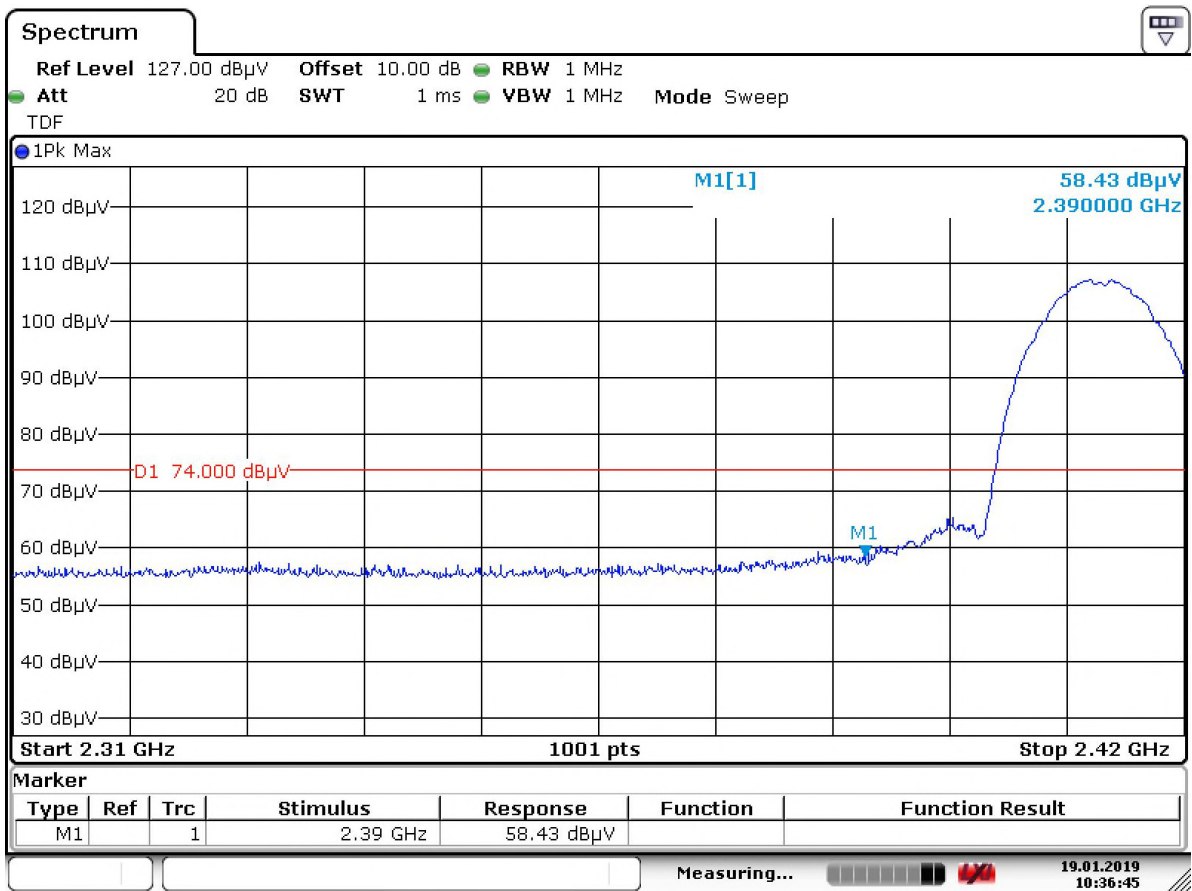


Date: 19.JAN.2019 10:38:47

Low Channel (Vertical)

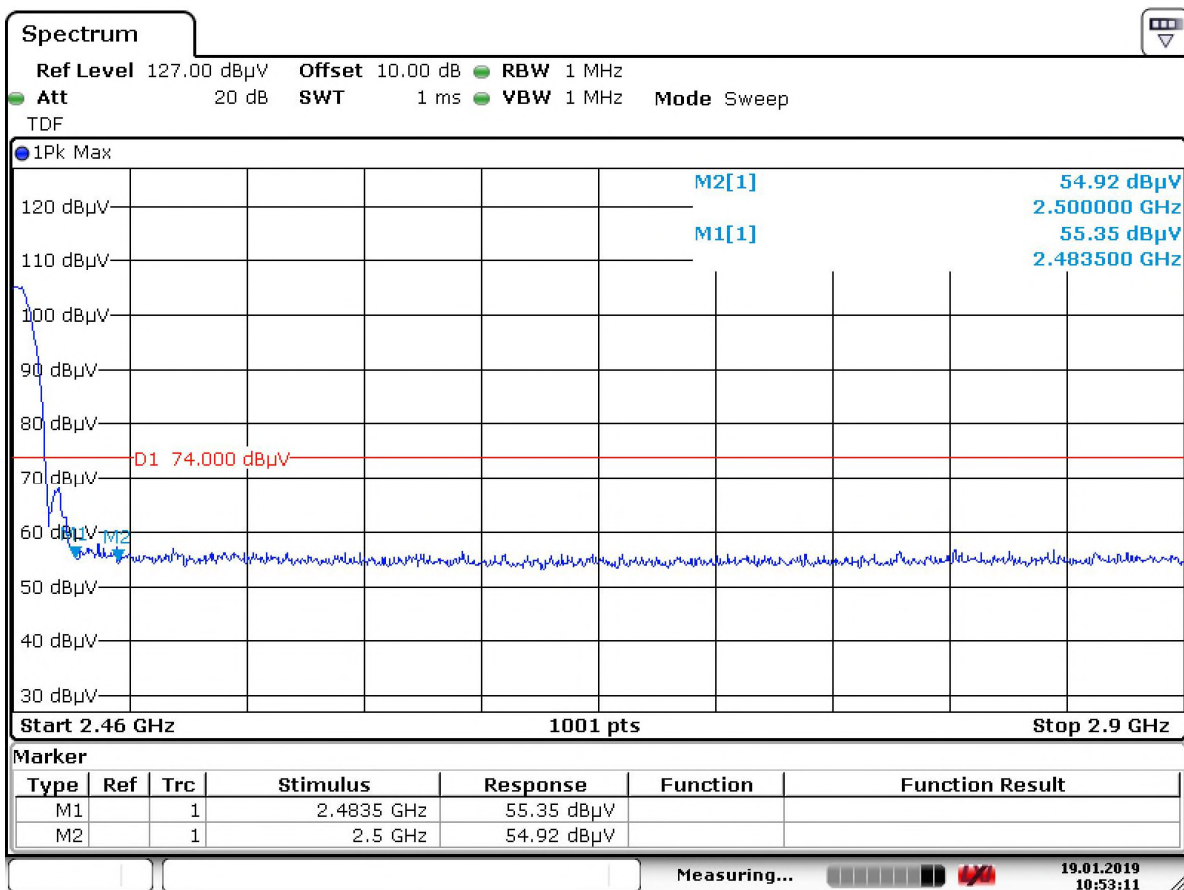


Date: 19.JAN.2019 10:37:42

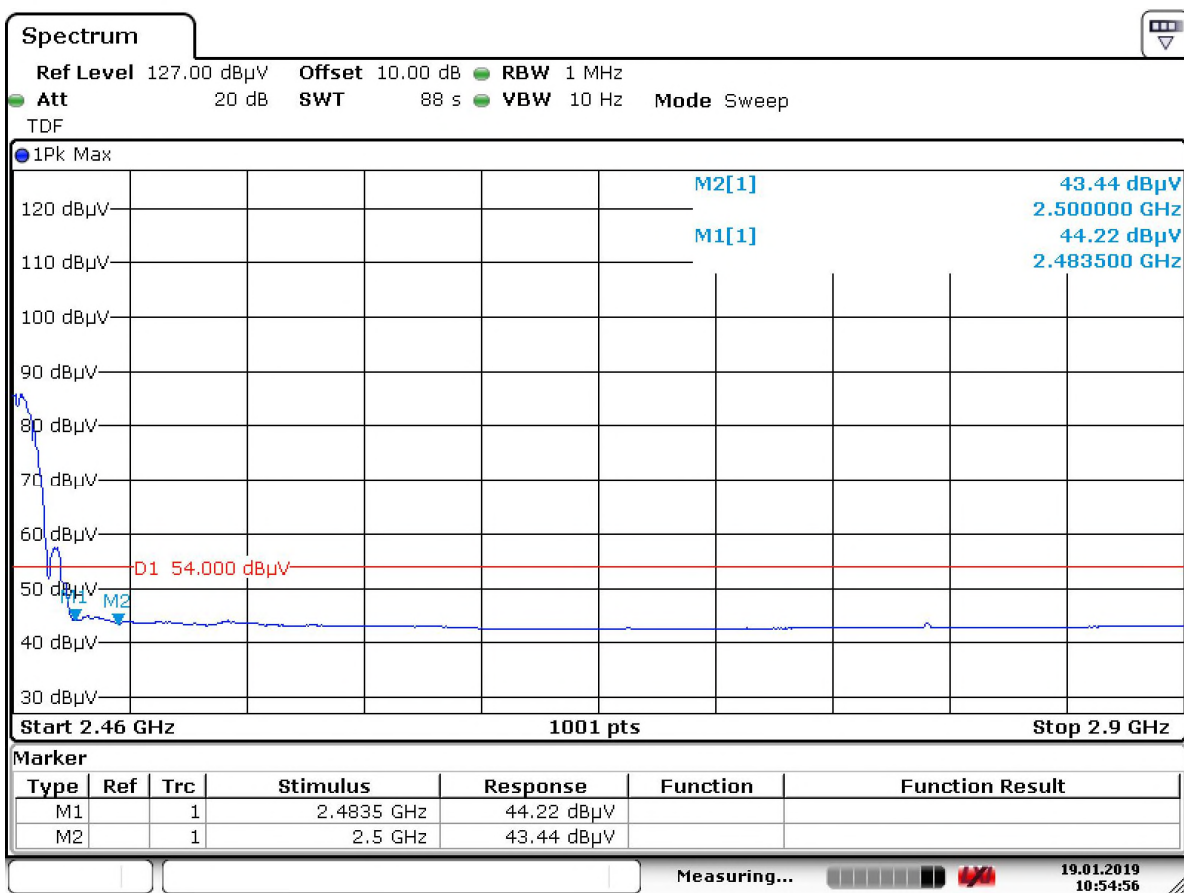


Date: 19.JAN.2019 10:36:44

High Channel (Horizontal)

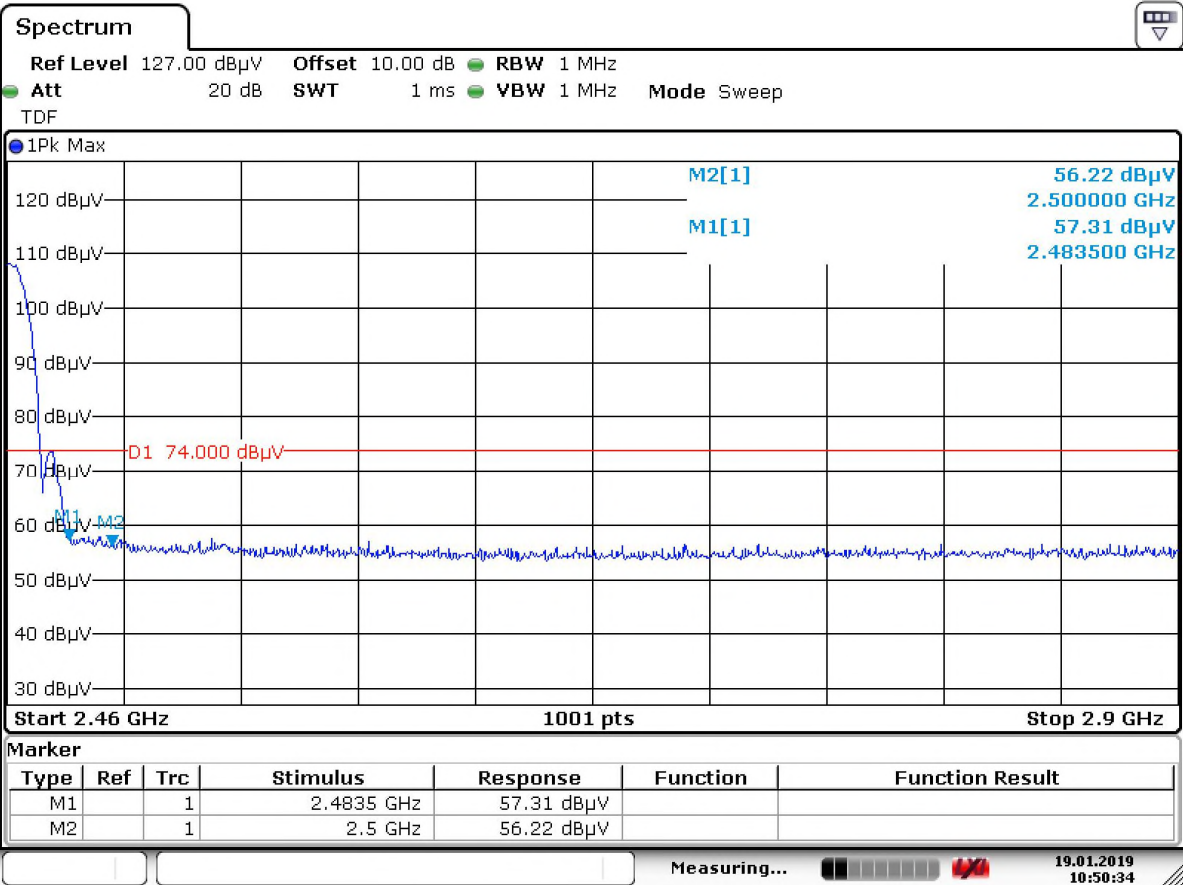


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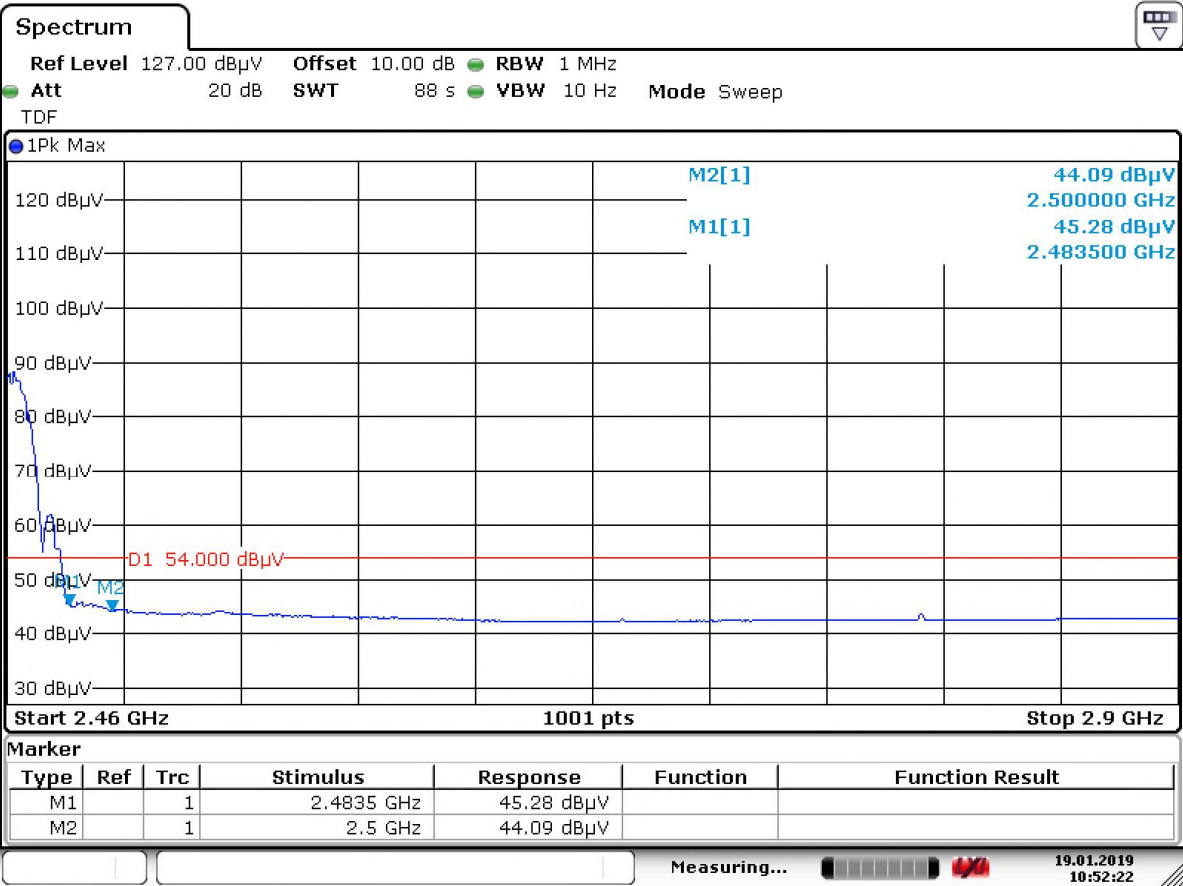


Date: 19.JAN.2019 10:54:55

High Channel (Vertical)



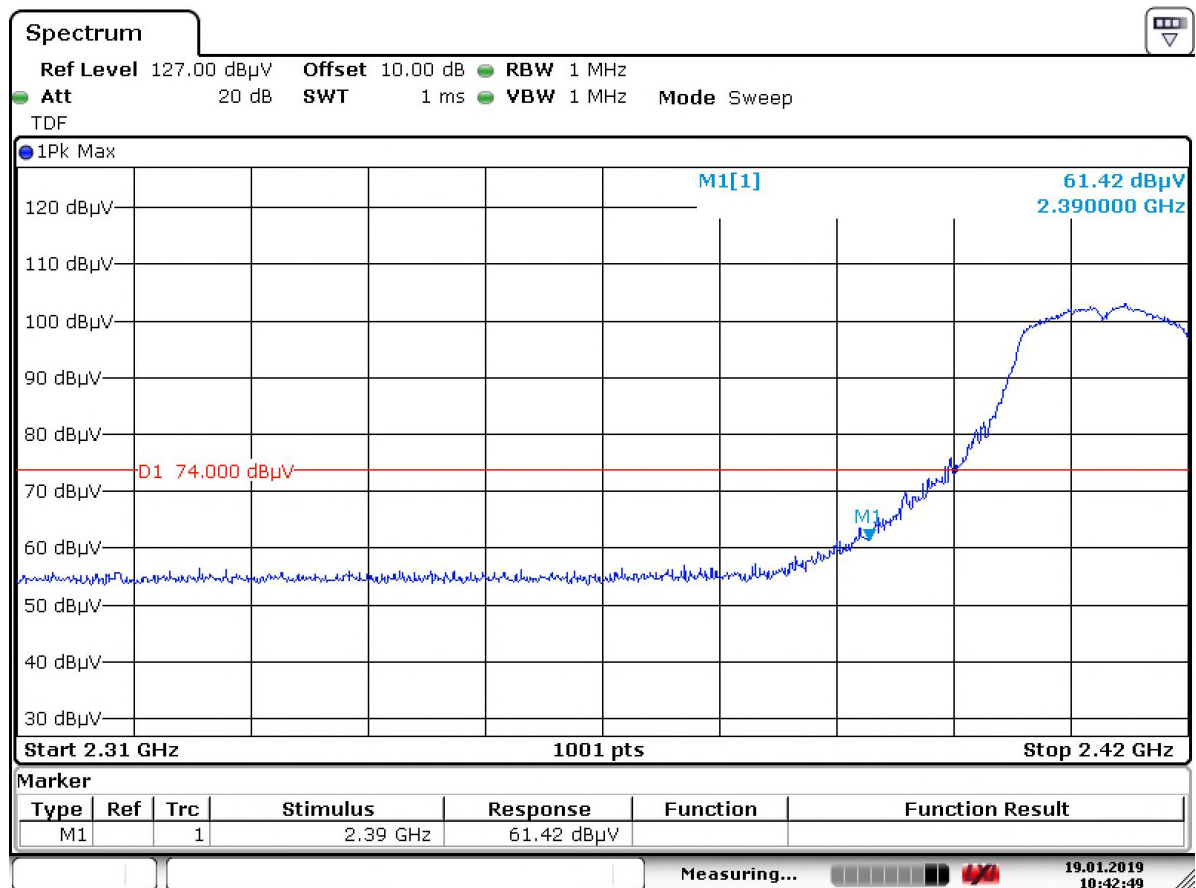
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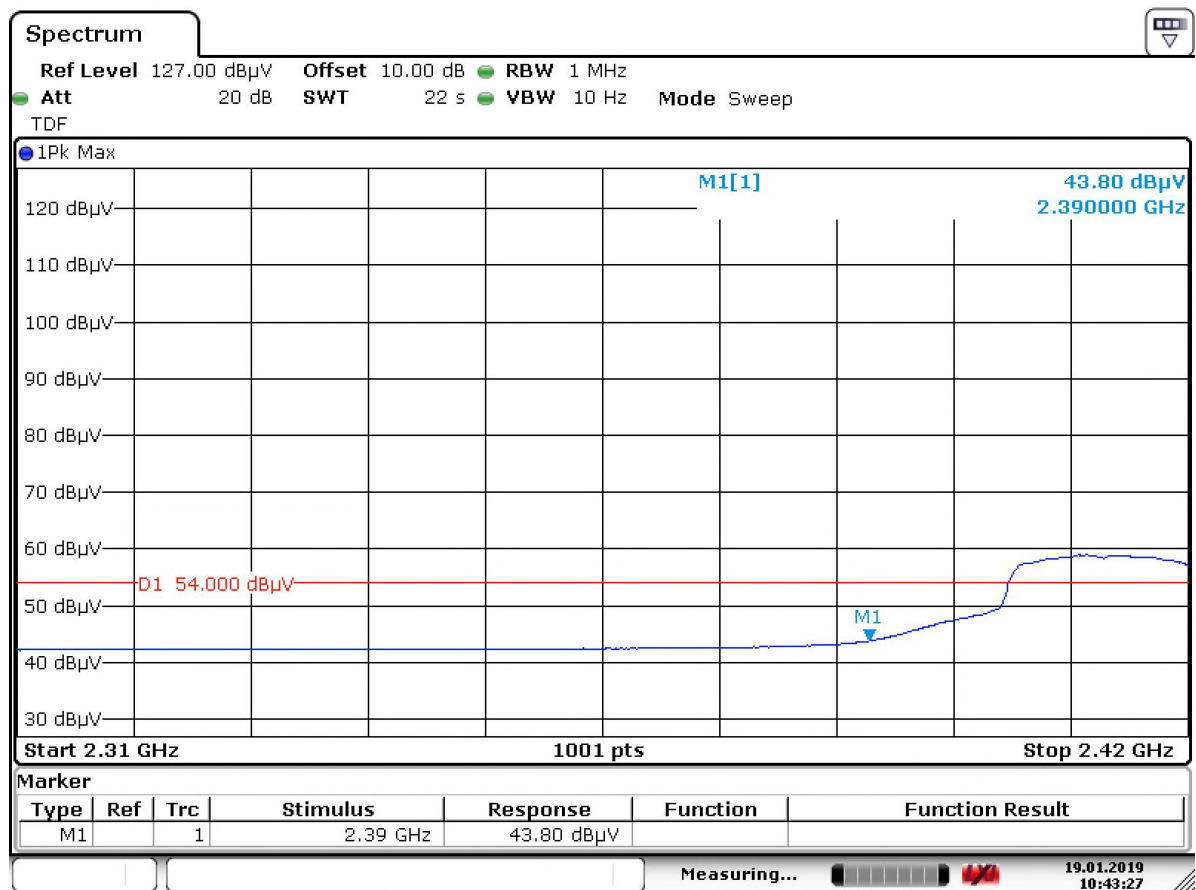
Date: 19.JAN.2019 10:52:22

802.11g

Low Channel (Horizontal)

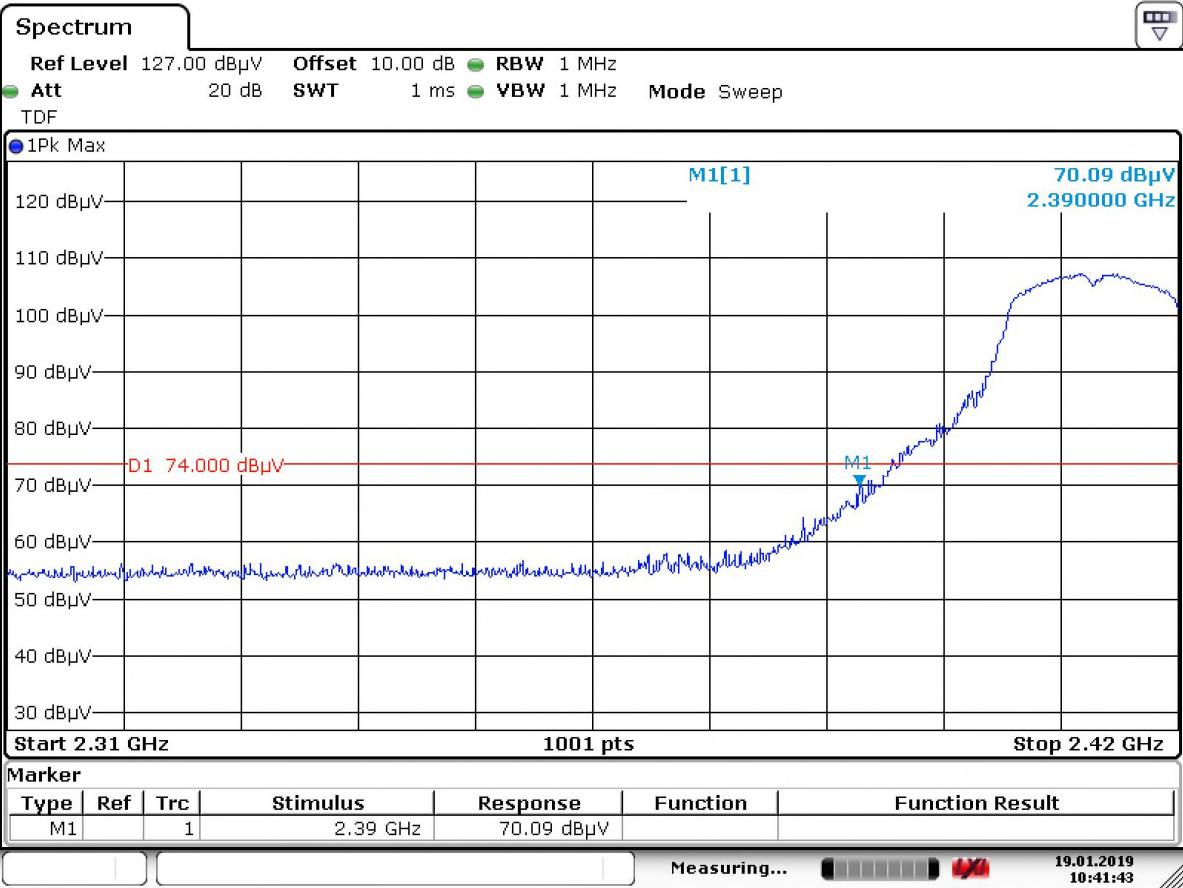


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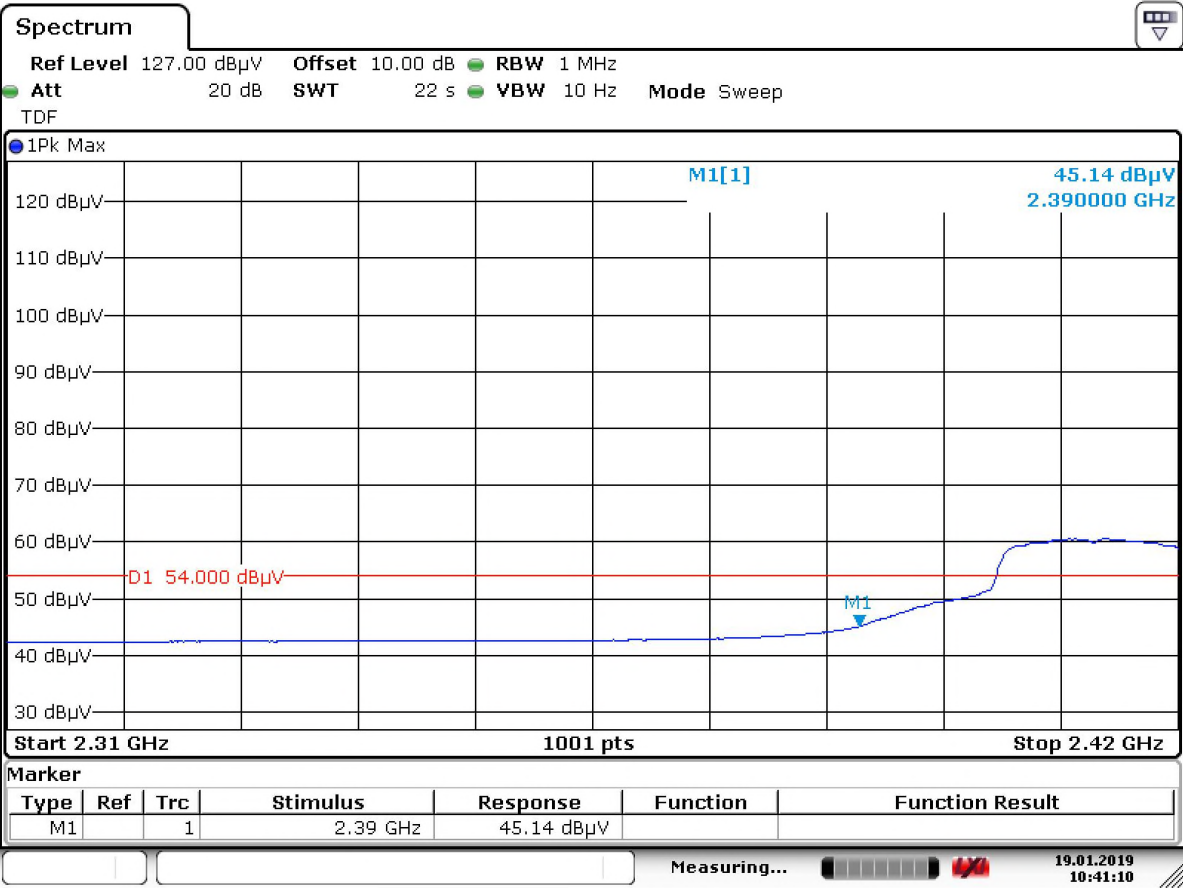


Date: 19.JAN.2019 10:43:26

Low Channel (Vertical)

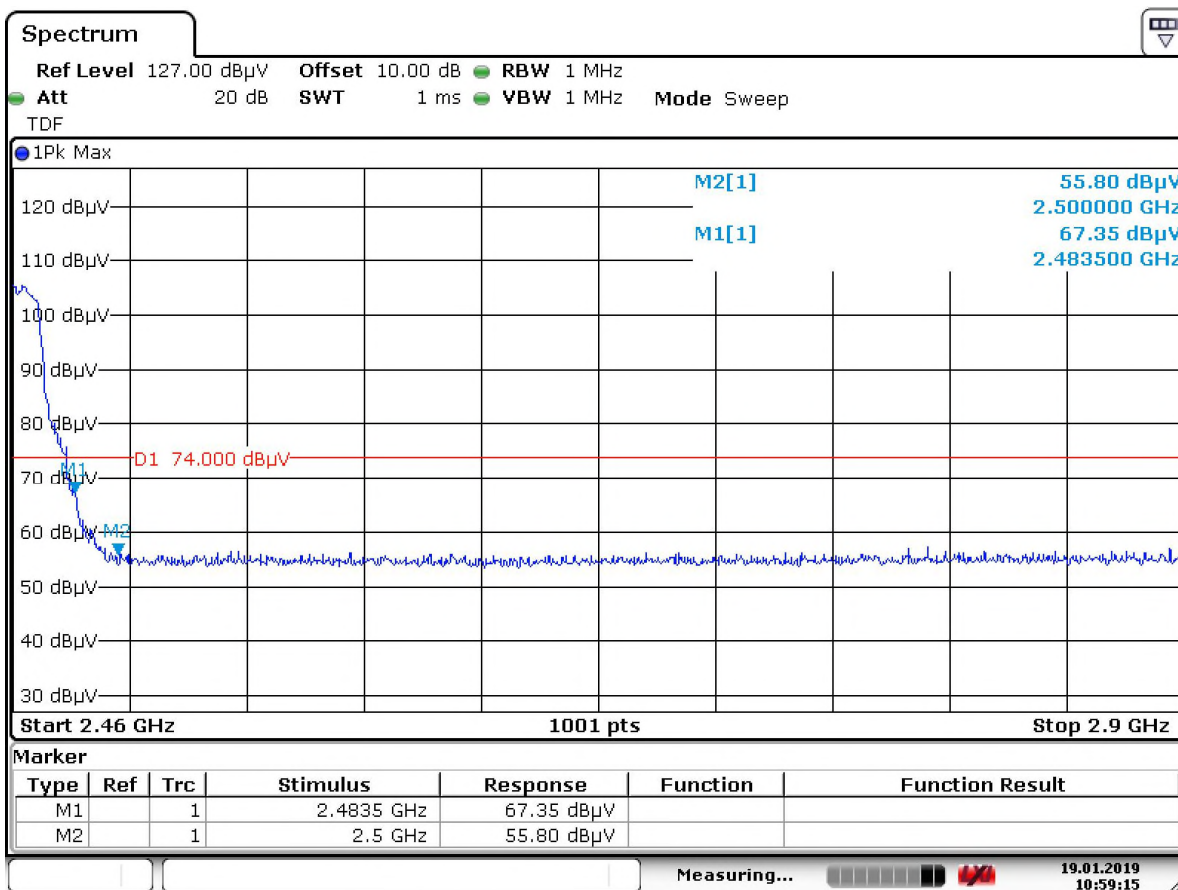


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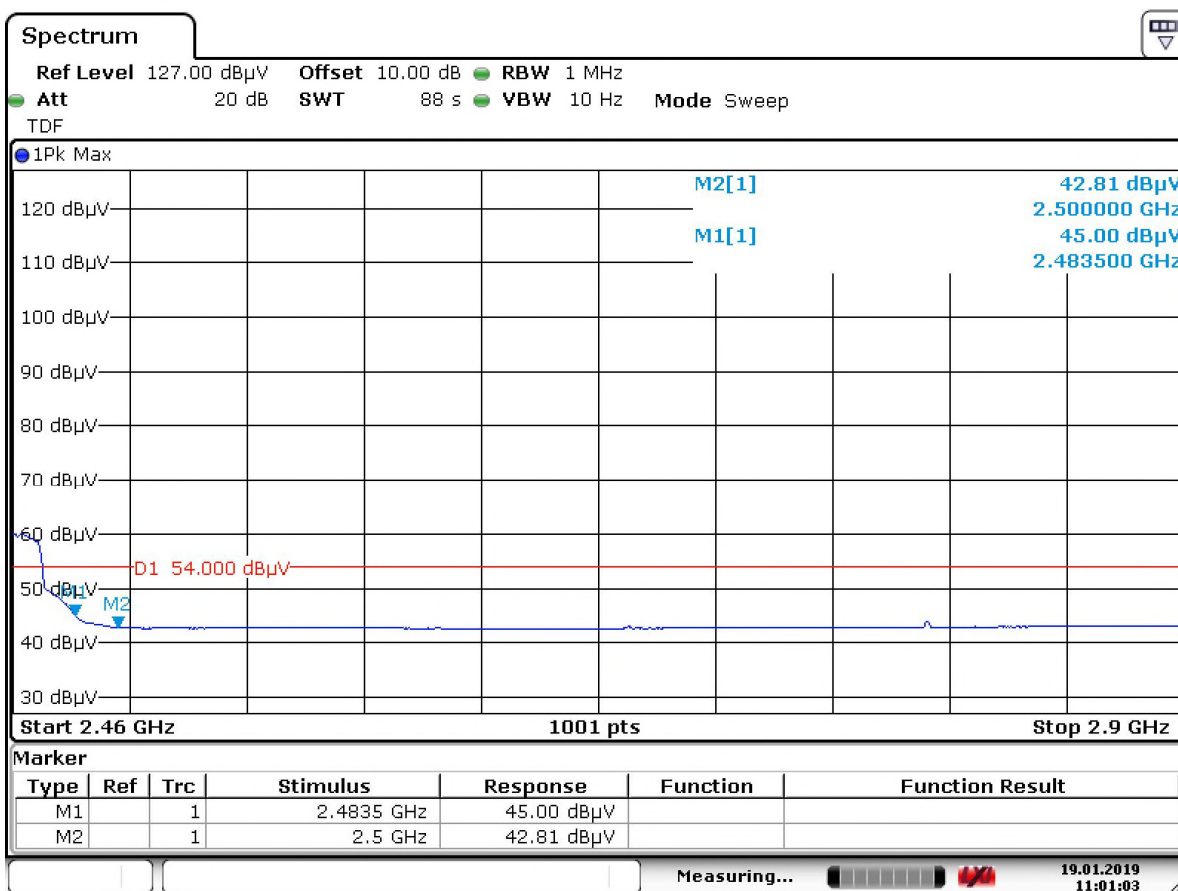


Date: 19.JAN.2019 10:41:09

High Channel (Horizontal)

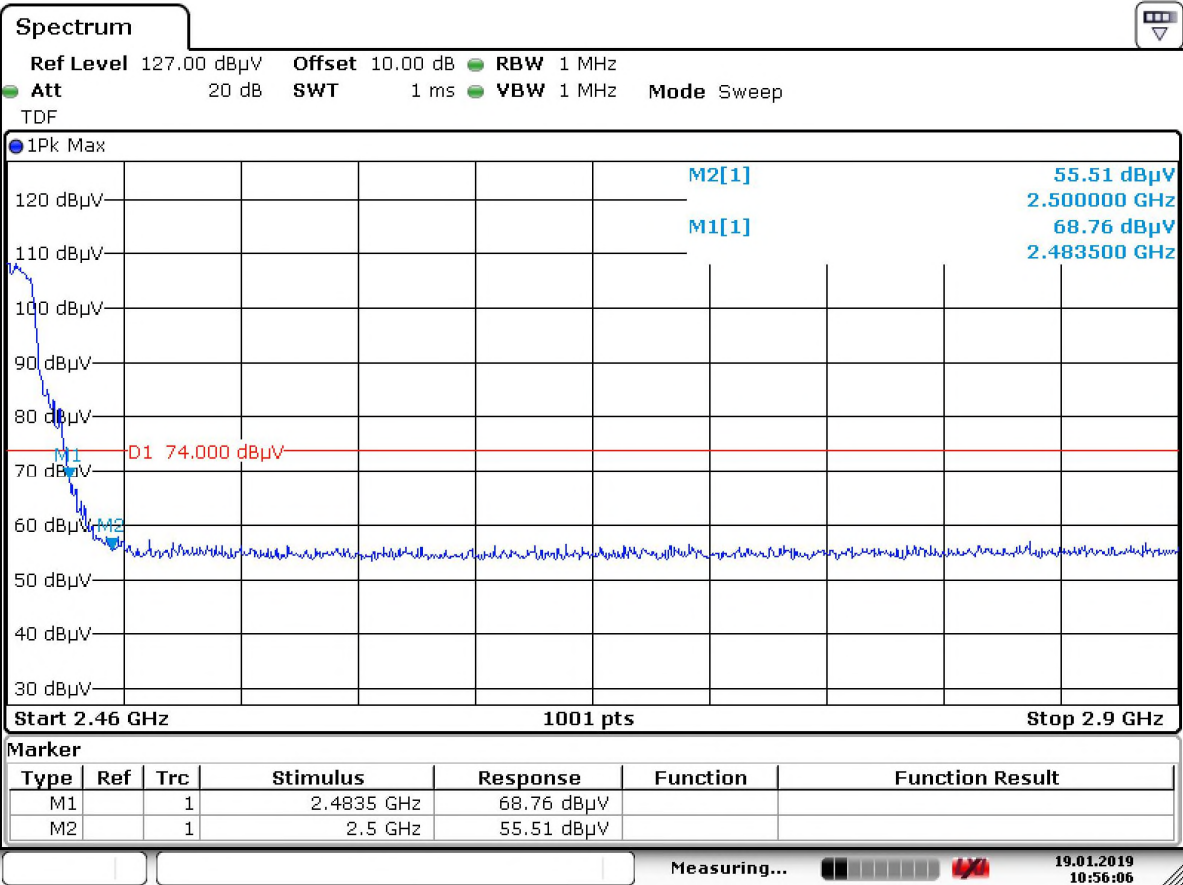


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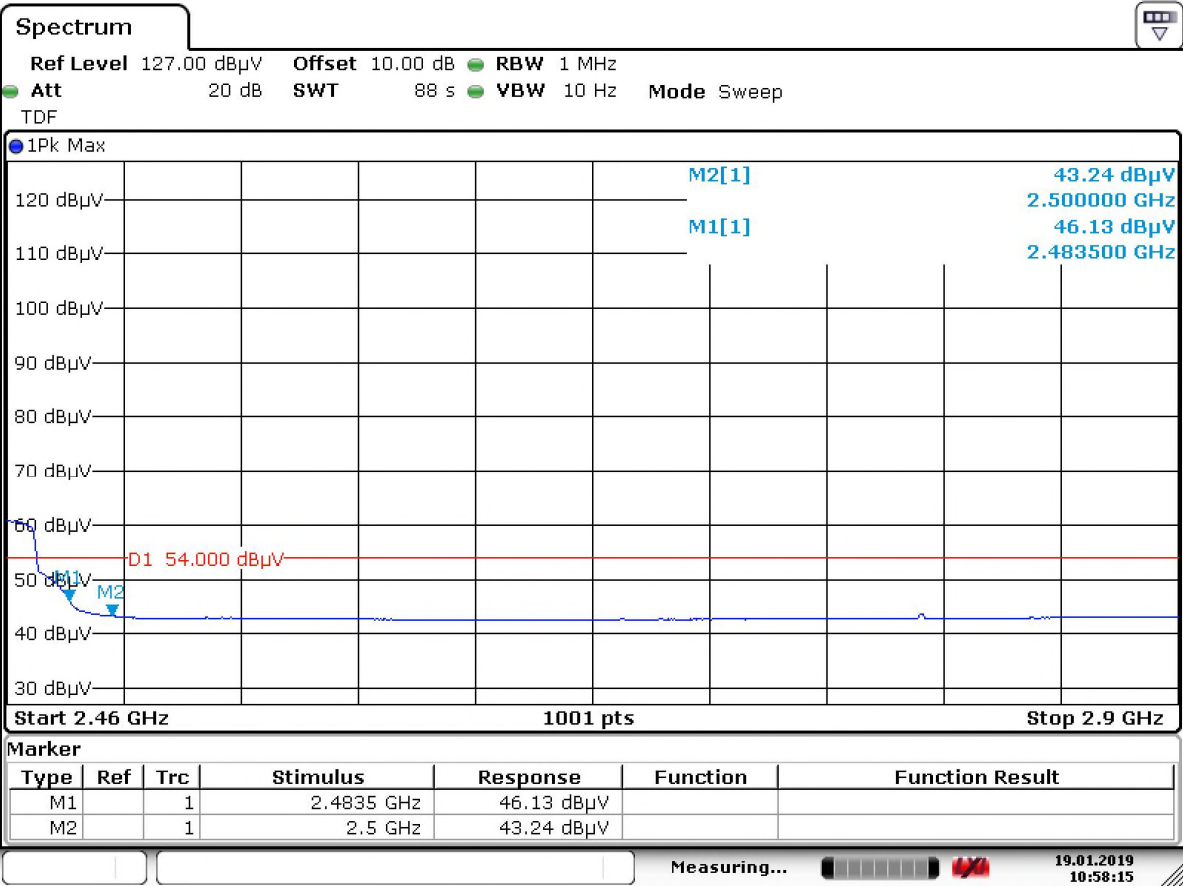


Date: 19.JAN.2019 11:01:02

High Channel (Vertical)



Date: 19.JAN.2019 10:56:06



Date: 19.JAN.2019 10:58:15

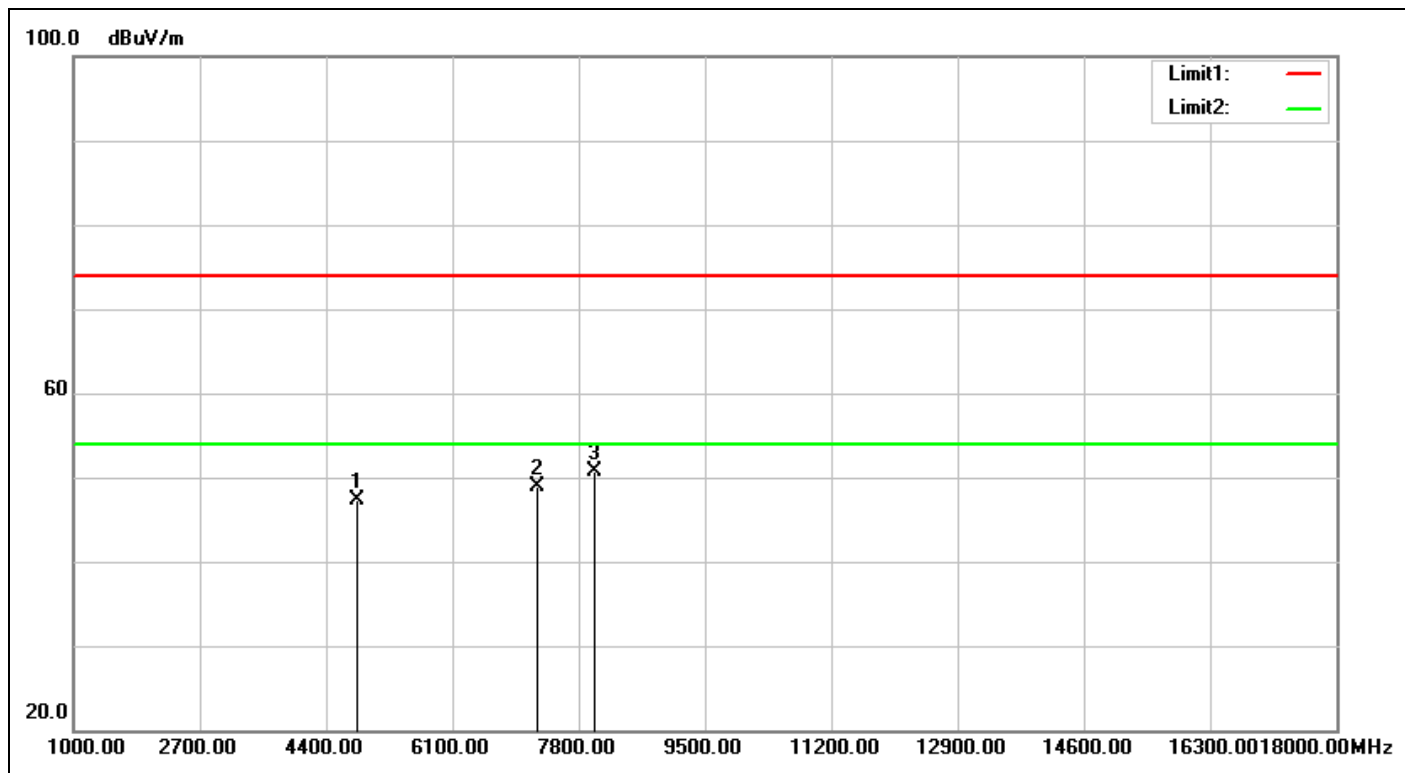
Spurious Emissions, TX Mode, 1-18G



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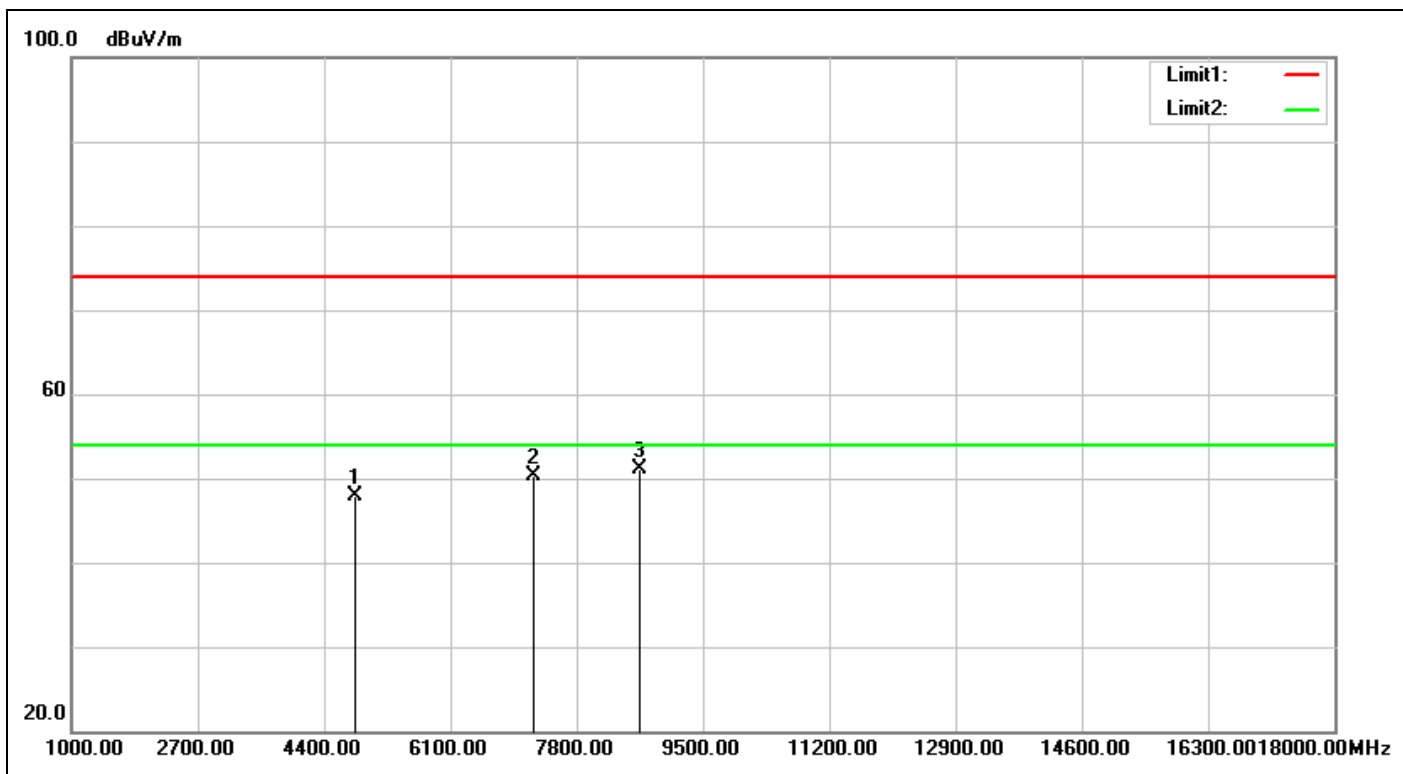
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



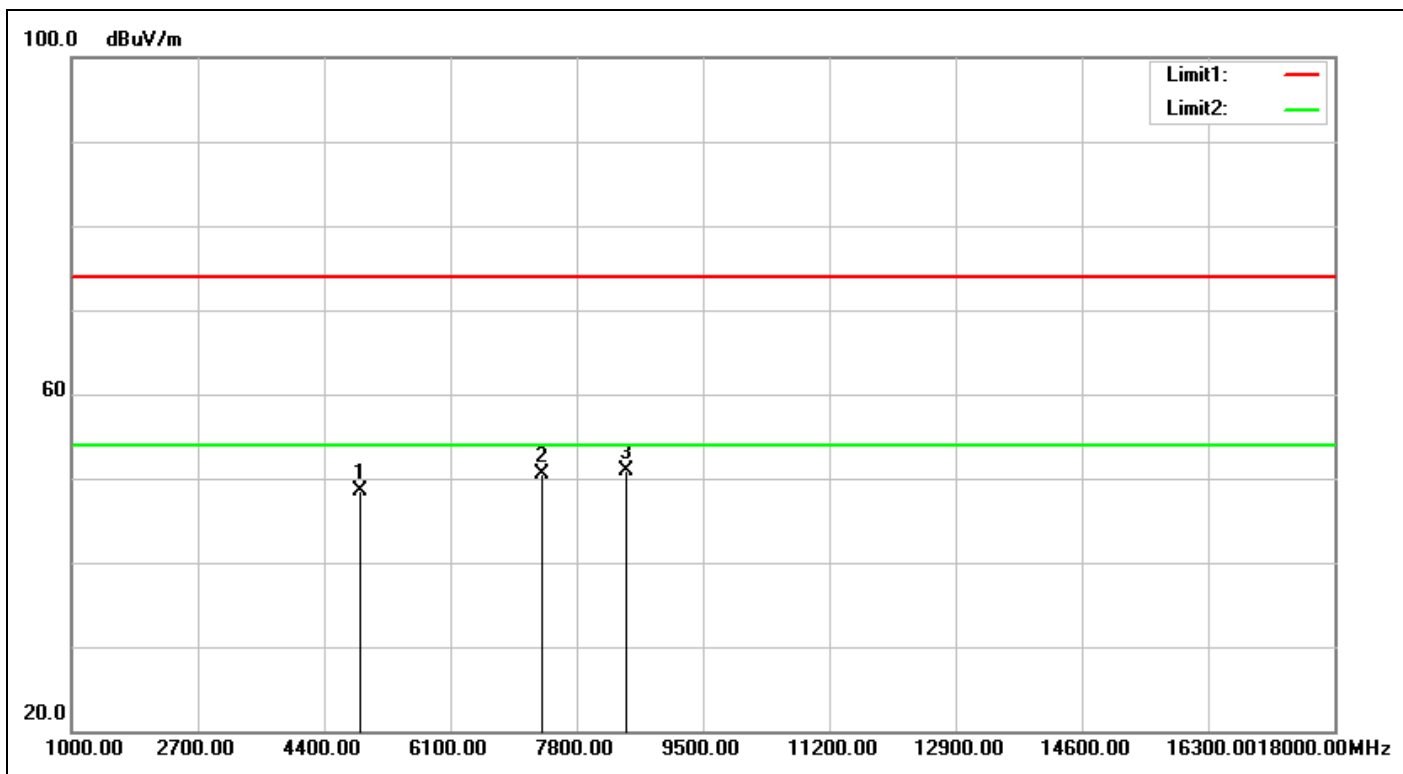
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 09:33:45
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412 , Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.58	49.83	47.25	74.00	-26.75	peak	100	0	
2	7236.000	5.33	43.64	48.97	74.00	-25.03	peak	100	109	
3	8004.000	5.72	44.97	50.69	74.00	-23.31	peak	100	301	



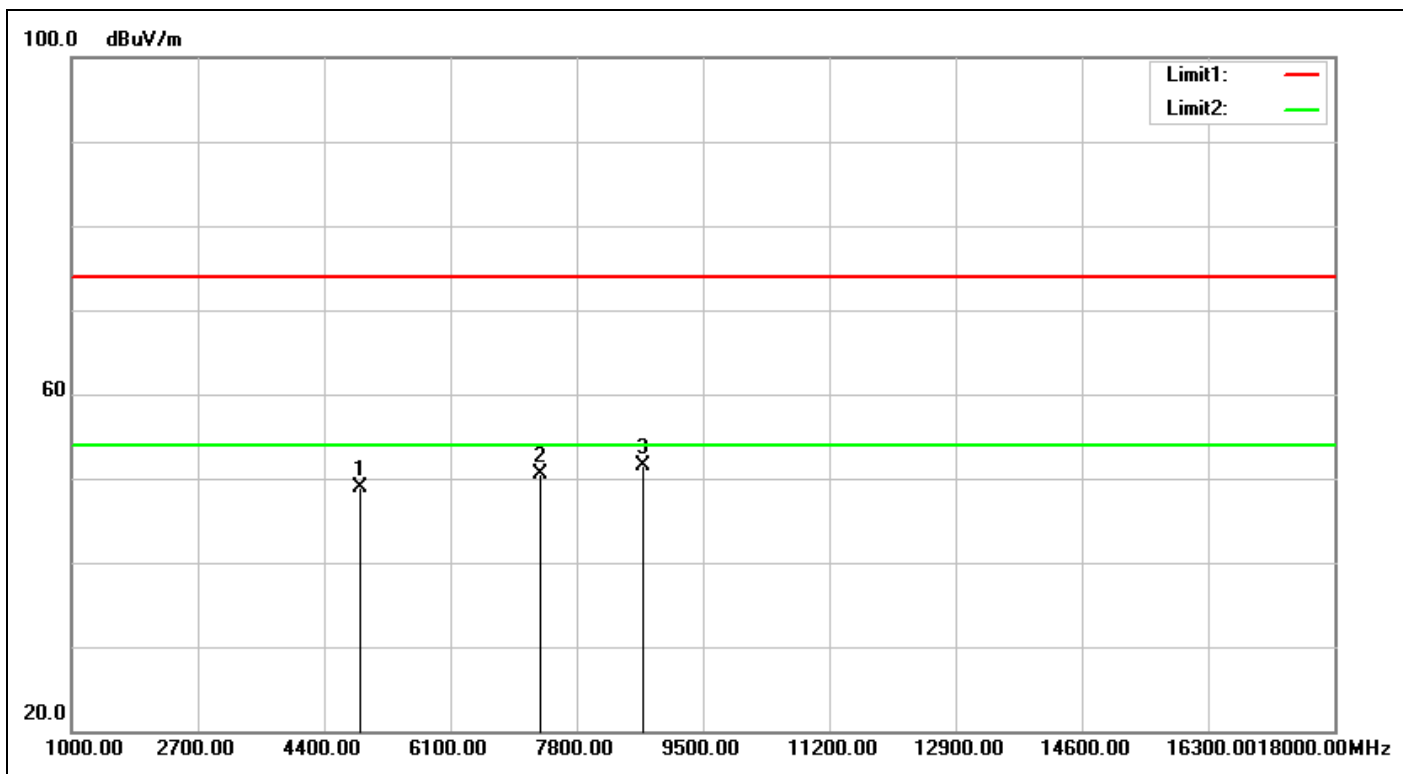
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 09:34:37
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412 , Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.58	50.56	47.98	74.00	-26.02	peak	100	223	
2	7236.000	5.33	44.90	50.23	74.00	-23.77	peak	100	134	
3	8650.000	6.61	44.56	51.17	74.00	-22.83	peak	100	172	



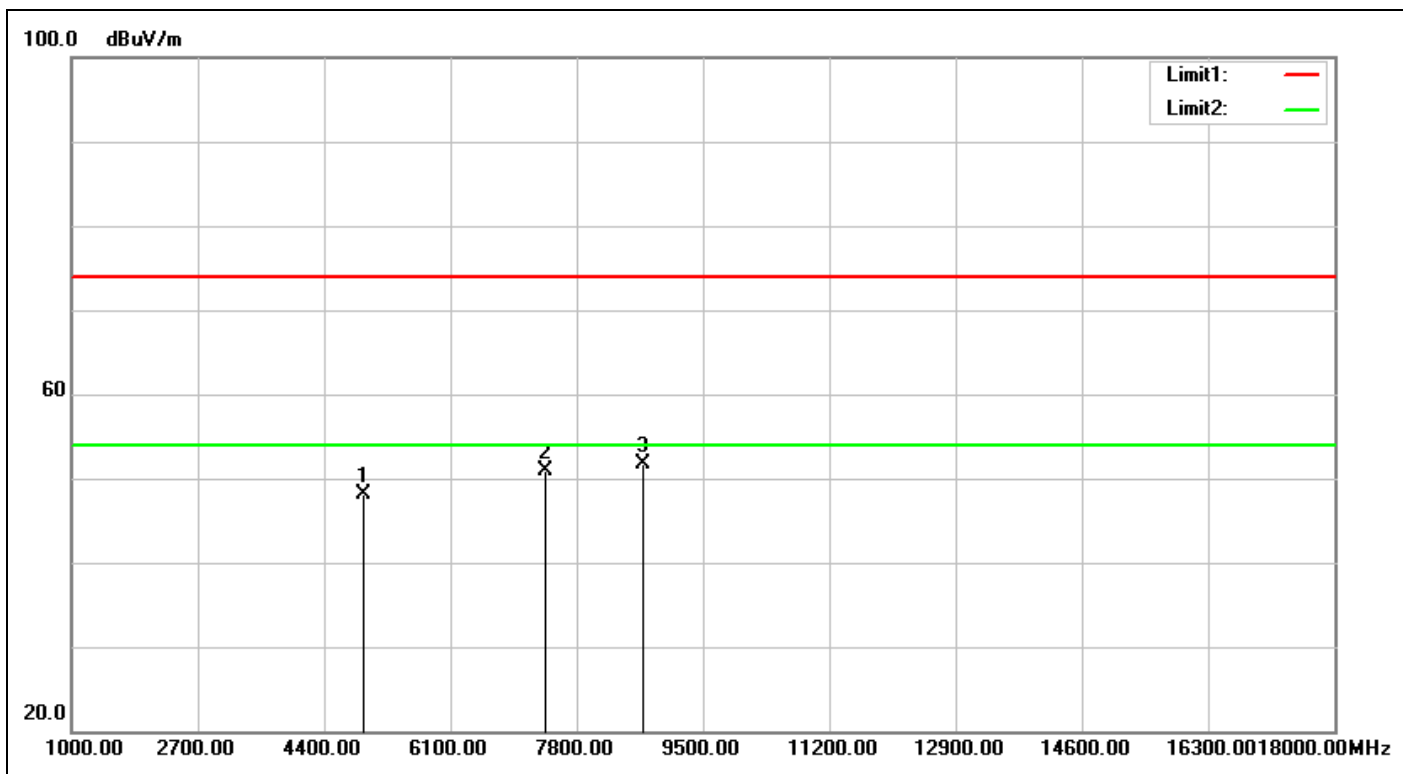
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Test item:	Radiation Emission	Test Time:	2019/1/19 09:37:20
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	50.90	48.44	74.00	-25.56	peak	100	10	
2	7311.000	5.51	44.93	50.44	74.00	-23.56	peak	100	360	
3	8463.000	6.54	44.28	50.82	74.00	-23.18	peak	100	360	



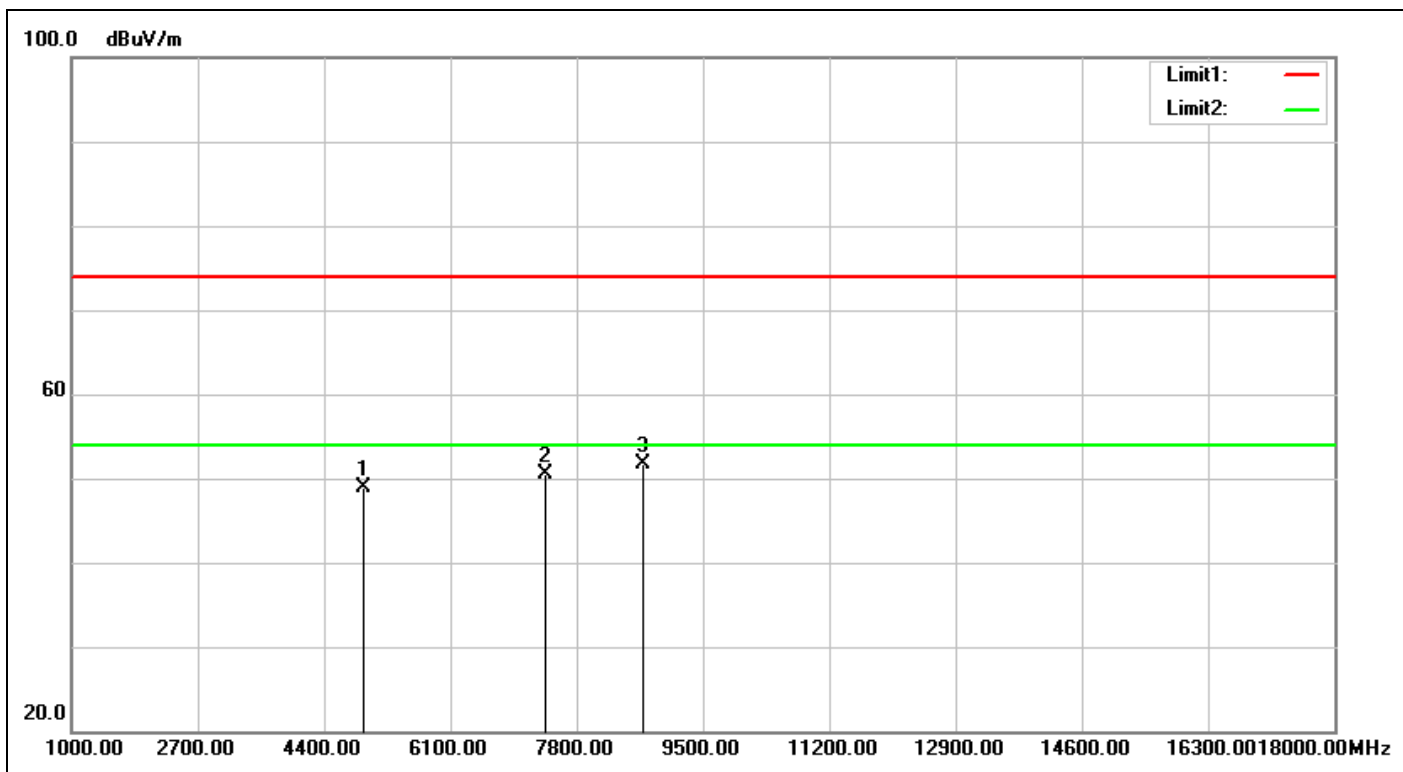
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 09:38:12
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	51.40	48.94	74.00	-25.06	peak	100	69	
2	7311.000	5.51	45.08	50.59	74.00	-23.41	peak	100	333	
3	8684.000	6.61	44.96	51.57	74.00	-22.43	peak	100	93	



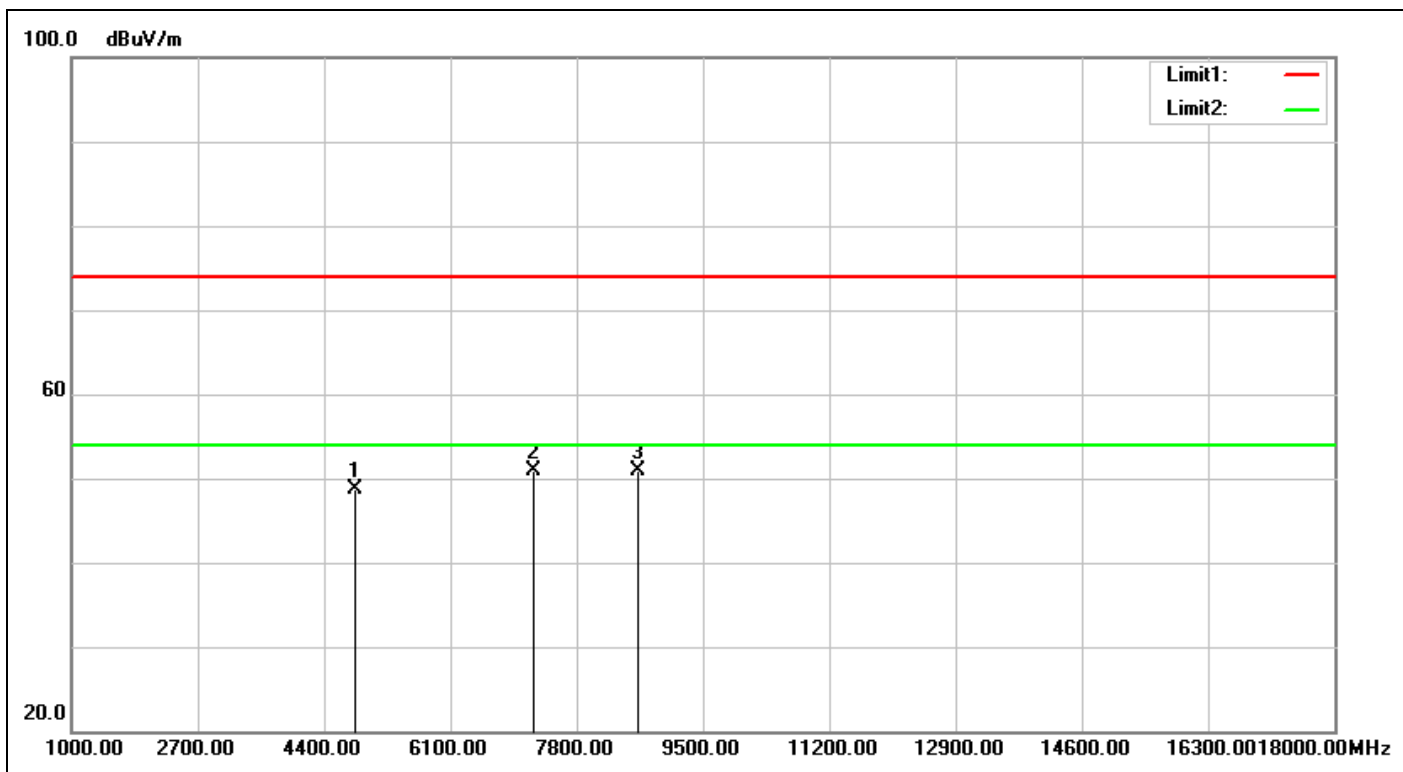
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Test item:	Radiation Emission	Test Time:	2019/1/19 09:39:45
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.33	50.50	48.17	74.00	-25.83	peak	100	312	
2	7386.000	5.70	45.12	50.82	74.00	-23.18	peak	100	188	
3	8701.000	6.61	45.16	51.77	74.00	-22.23	peak	100	202	



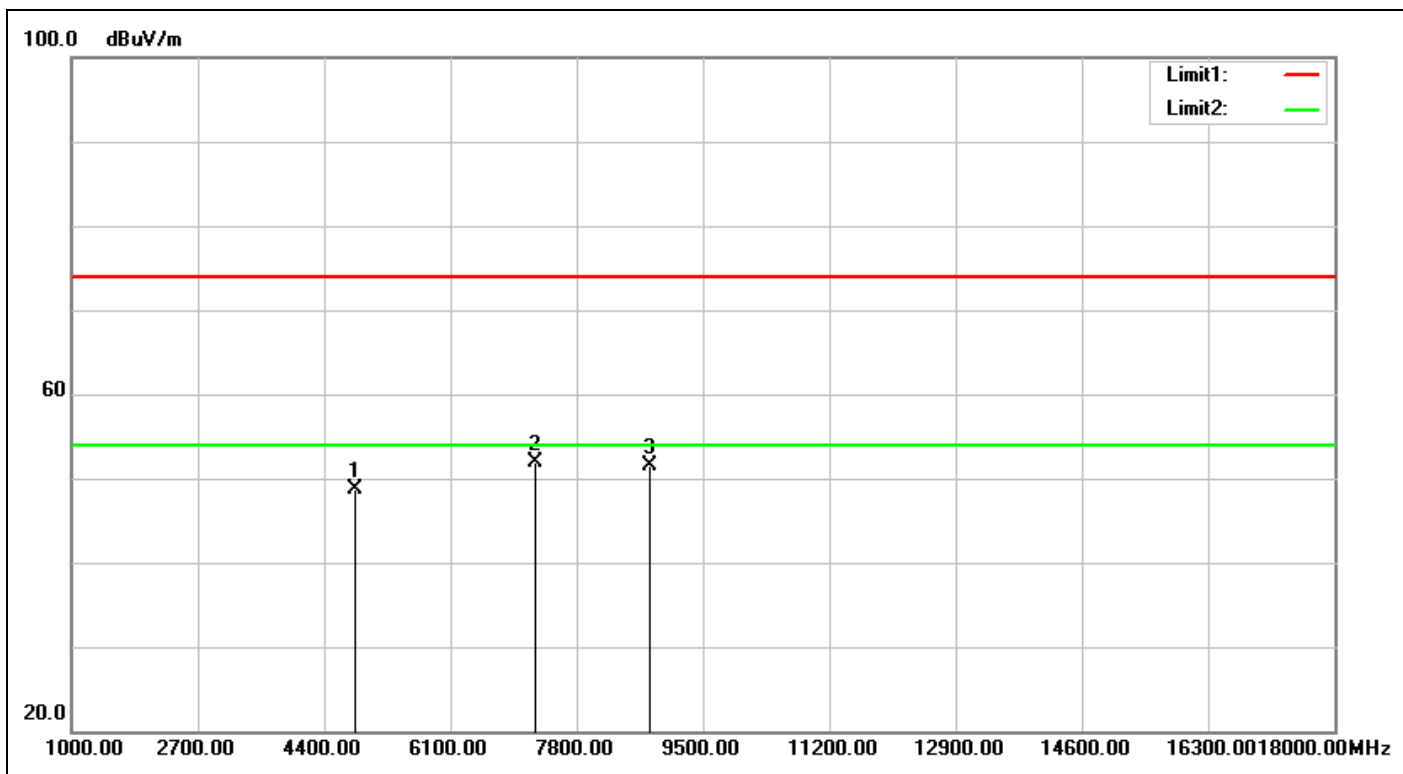
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Test item:	Radiation Emission	Test Time:	2019/1/19 09:40:37
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.33	51.23	48.90	74.00	-25.10	peak	100	247	
2	7386.000	5.70	44.83	50.53	74.00	-23.47	peak	100	227	
3	8701.000	6.61	45.08	51.69	74.00	-22.31	peak	100	168	



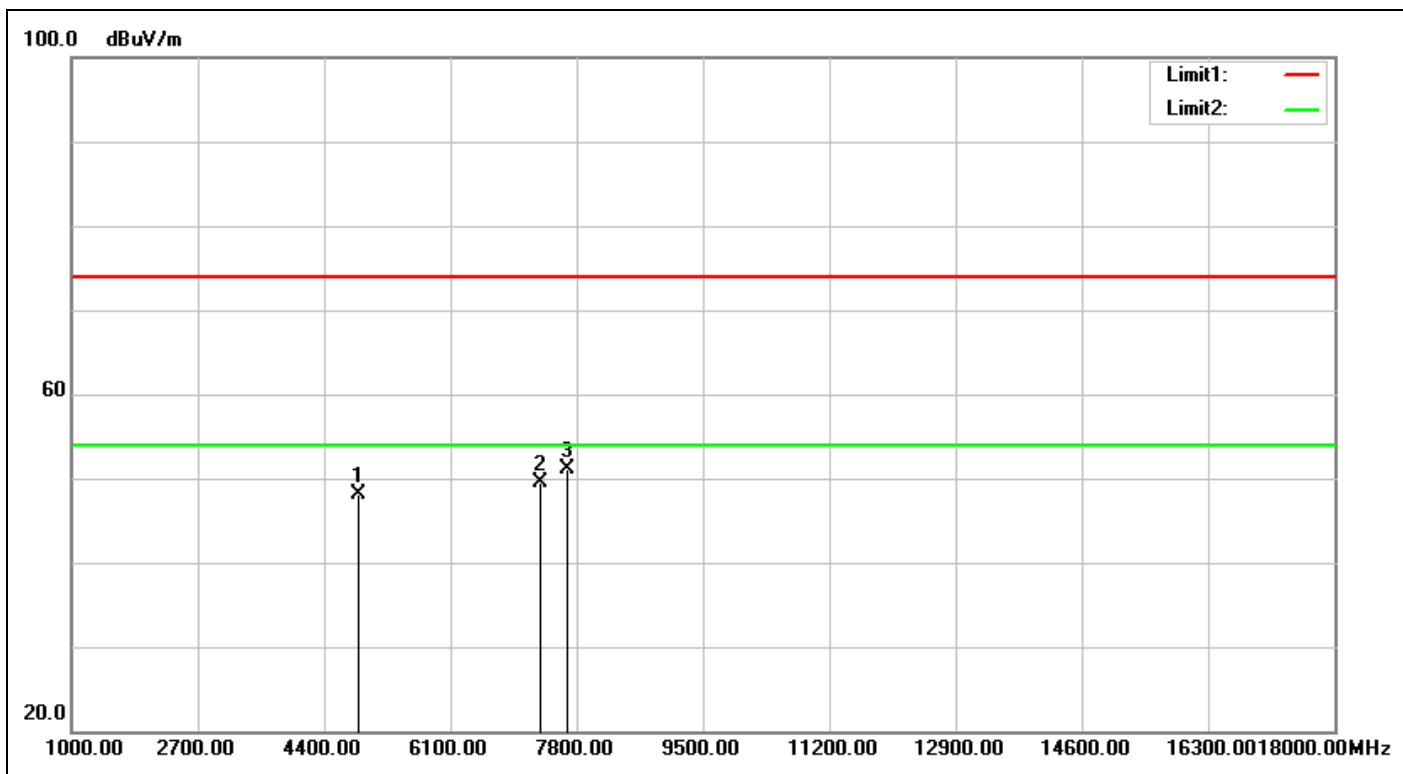
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 09:42:20
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.58	51.24	48.66	74.00	-25.34	peak	100	140	
2	7236.000	5.33	45.52	50.85	74.00	-23.15	peak	100	336	
3	8633.000	6.61	44.33	50.94	74.00	-23.06	peak	100	0	



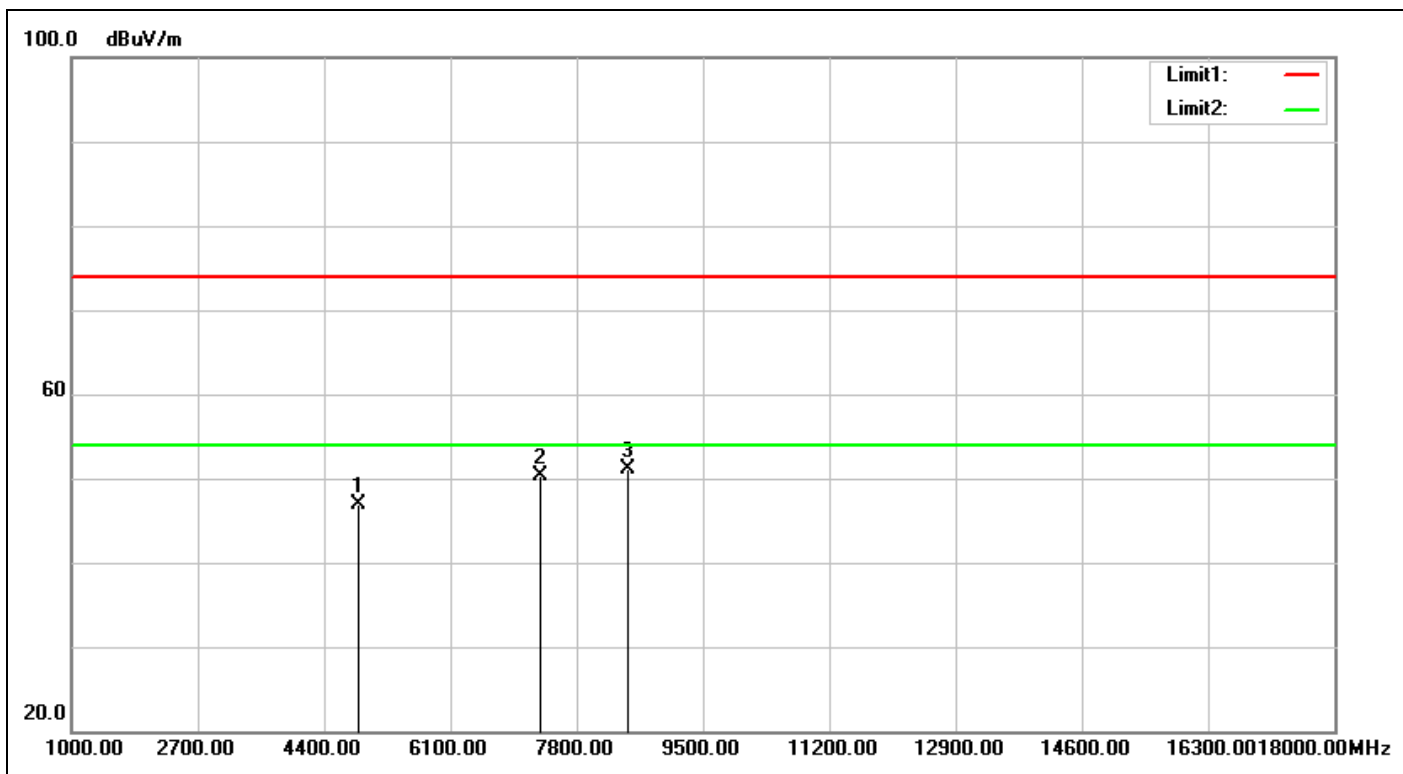
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 09:43:12
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.58	51.29	48.71	74.00	-25.29	peak	100	265	
2	7236.000	5.33	46.54	51.87	74.00	-22.13	peak	100	110	
3	8786.000	6.61	44.97	51.58	74.00	-22.42	peak	100	103	



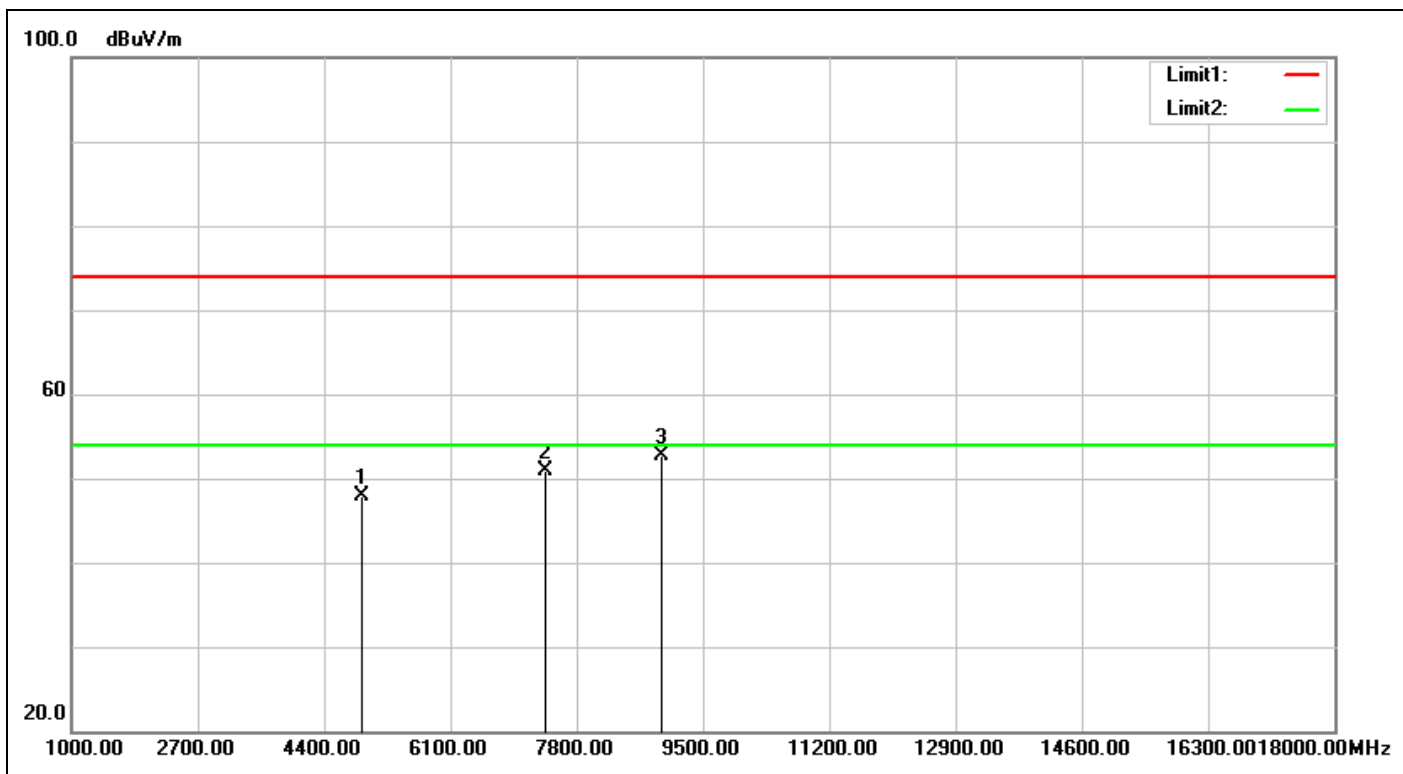
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 09:44:39
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	50.58	48.12	74.00	-25.88	peak	100	343	
2	7311.000	5.51	44.05	49.56	74.00	-24.44	peak	100	185	
3	7664.000	5.89	45.31	51.20	74.00	-22.80	peak	100	305	



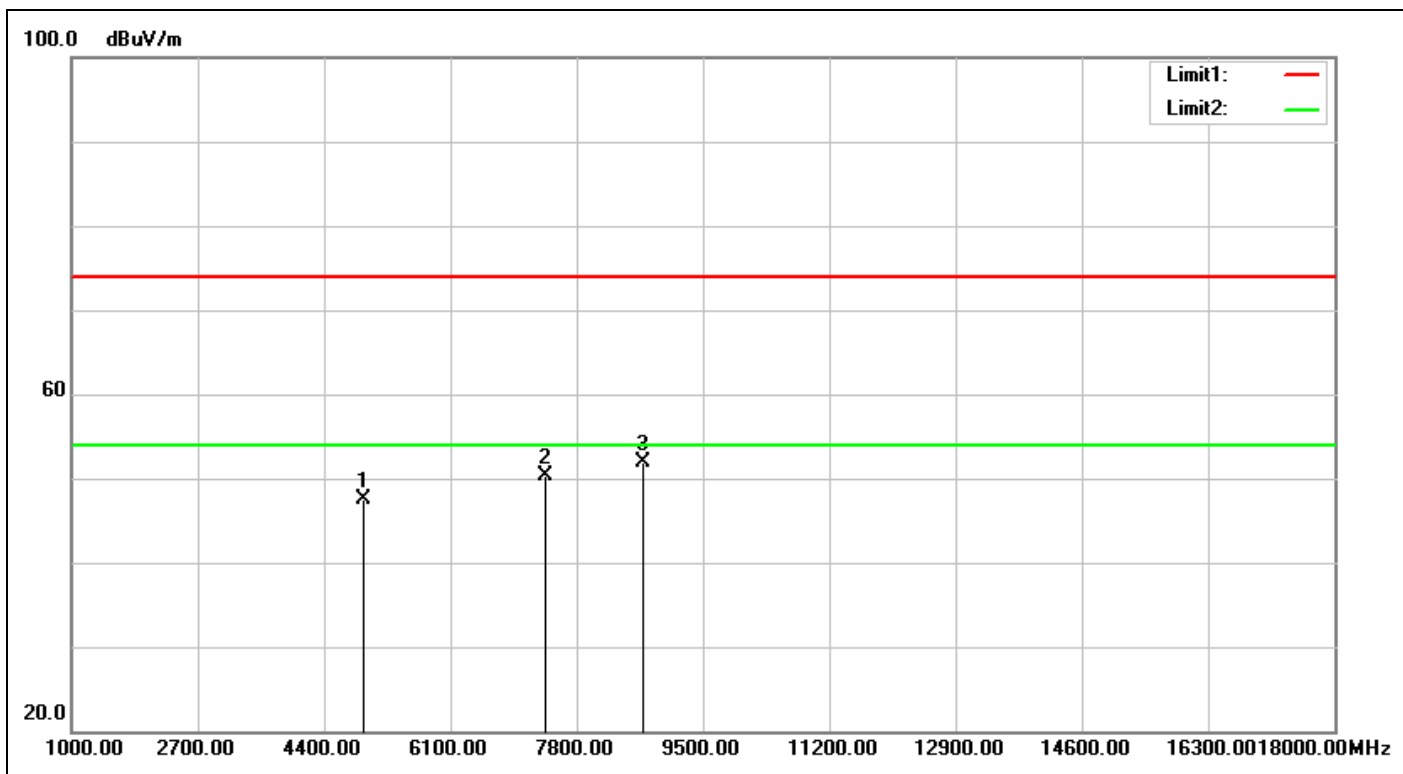
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 09:45:32
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	49.41	46.95	74.00	-27.05	peak	100	189	
2	7311.000	5.51	44.77	50.28	74.00	-23.72	peak	100	316	
3	8480.000	6.58	44.60	51.18	74.00	-22.82	peak	100	148	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 09:47:09
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.33	50.23	47.90	74.00	-26.10	peak	100	257	
2	7386.000	5.70	45.22	50.92	74.00	-23.08	peak	100	100	
3	8939.000	6.60	46.17	52.77	74.00	-21.23	peak	100	158	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 09:48:02
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462, Power setting : 0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.33	49.86	47.53	74.00	-26.47	peak	100	35	
2	7386.000	5.70	44.61	50.31	74.00	-23.69	peak	100	175	
3	8701.000	6.61	45.33	51.94	74.00	-22.06	peak	100	110	

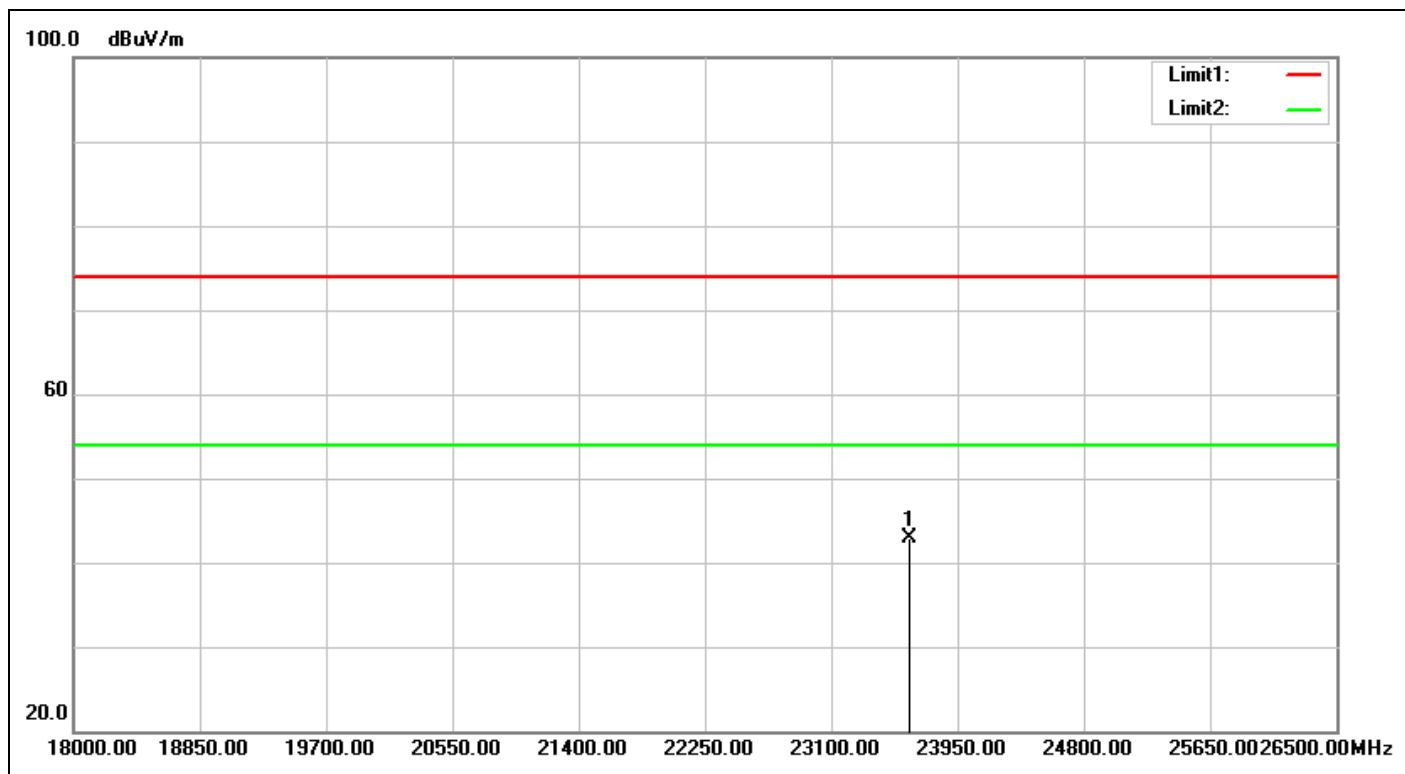
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

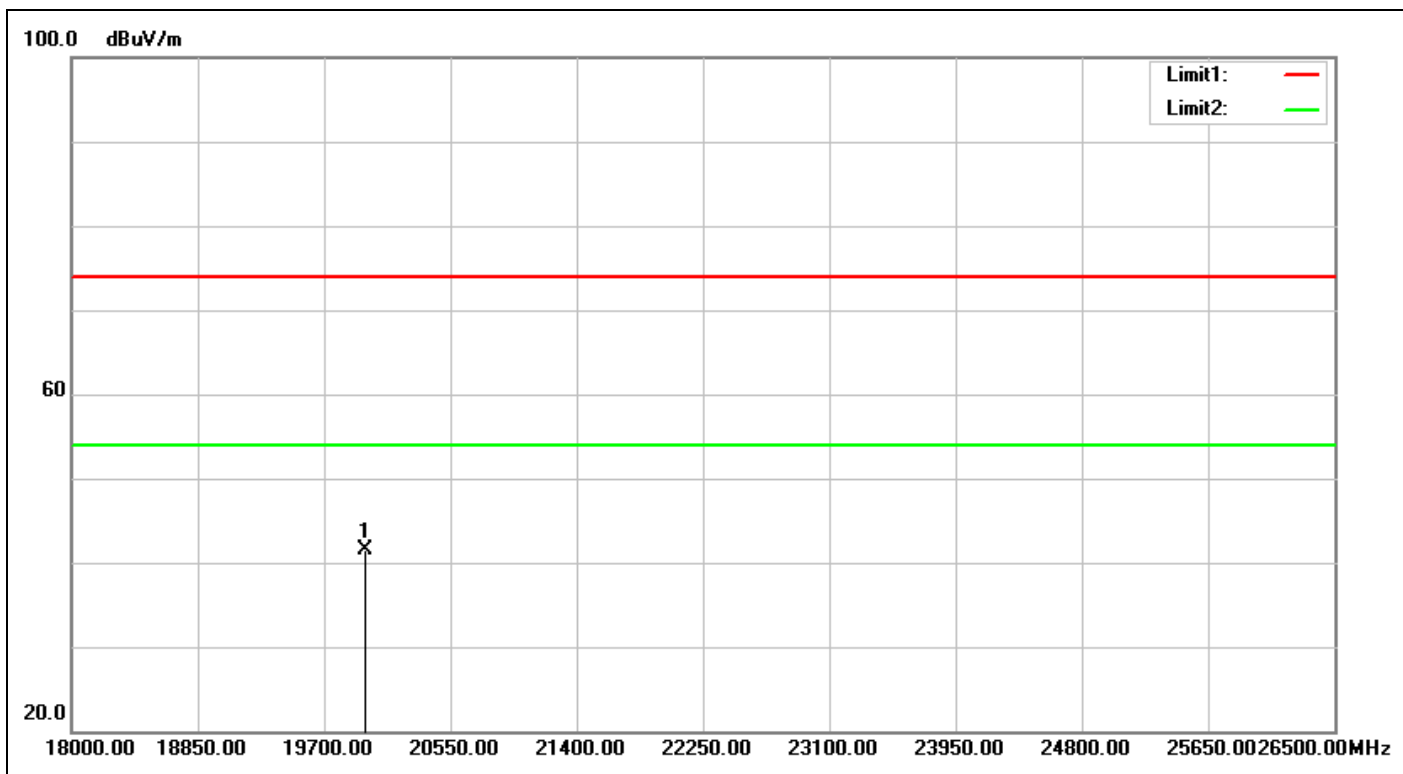
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



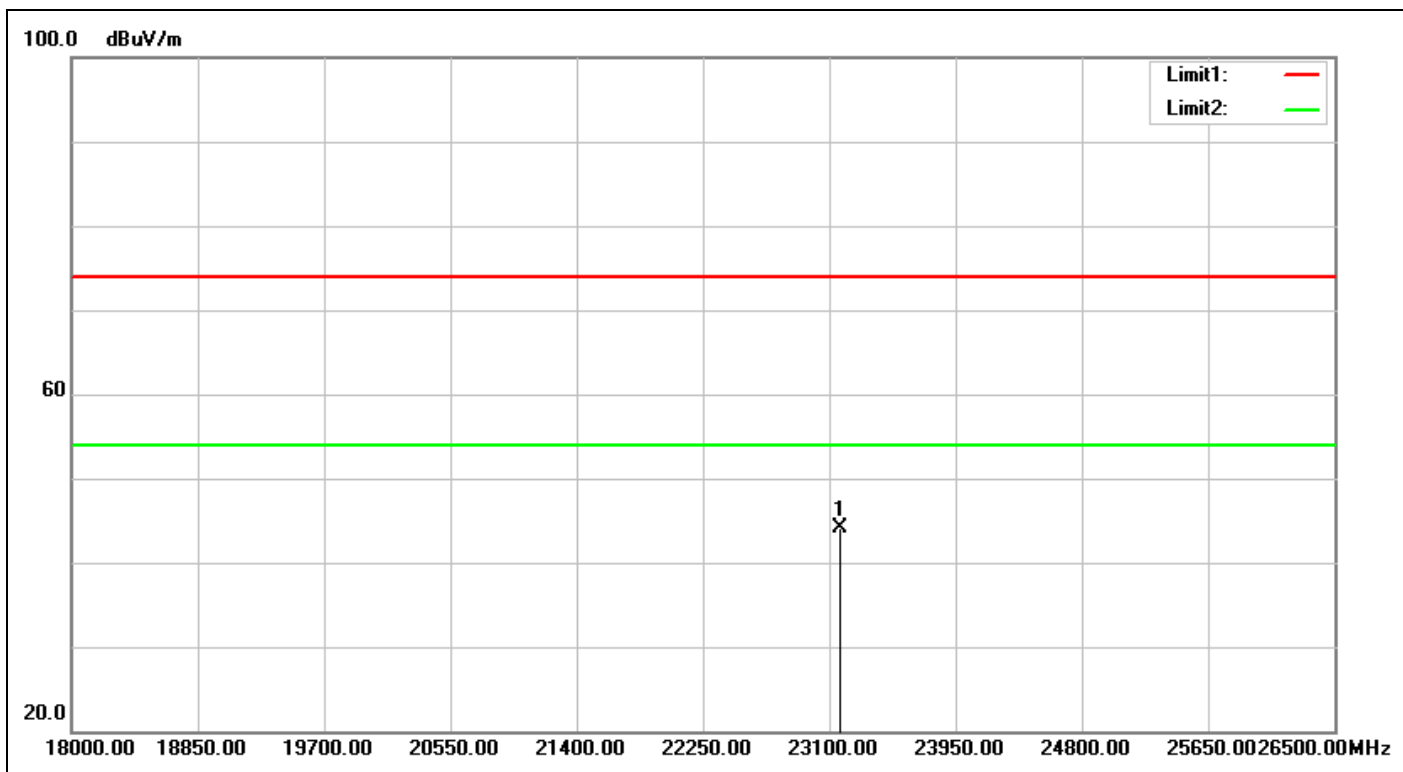
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:01:16
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23627.000	5.26	37.63	42.89	74.00	-31.11	peak	100	263	



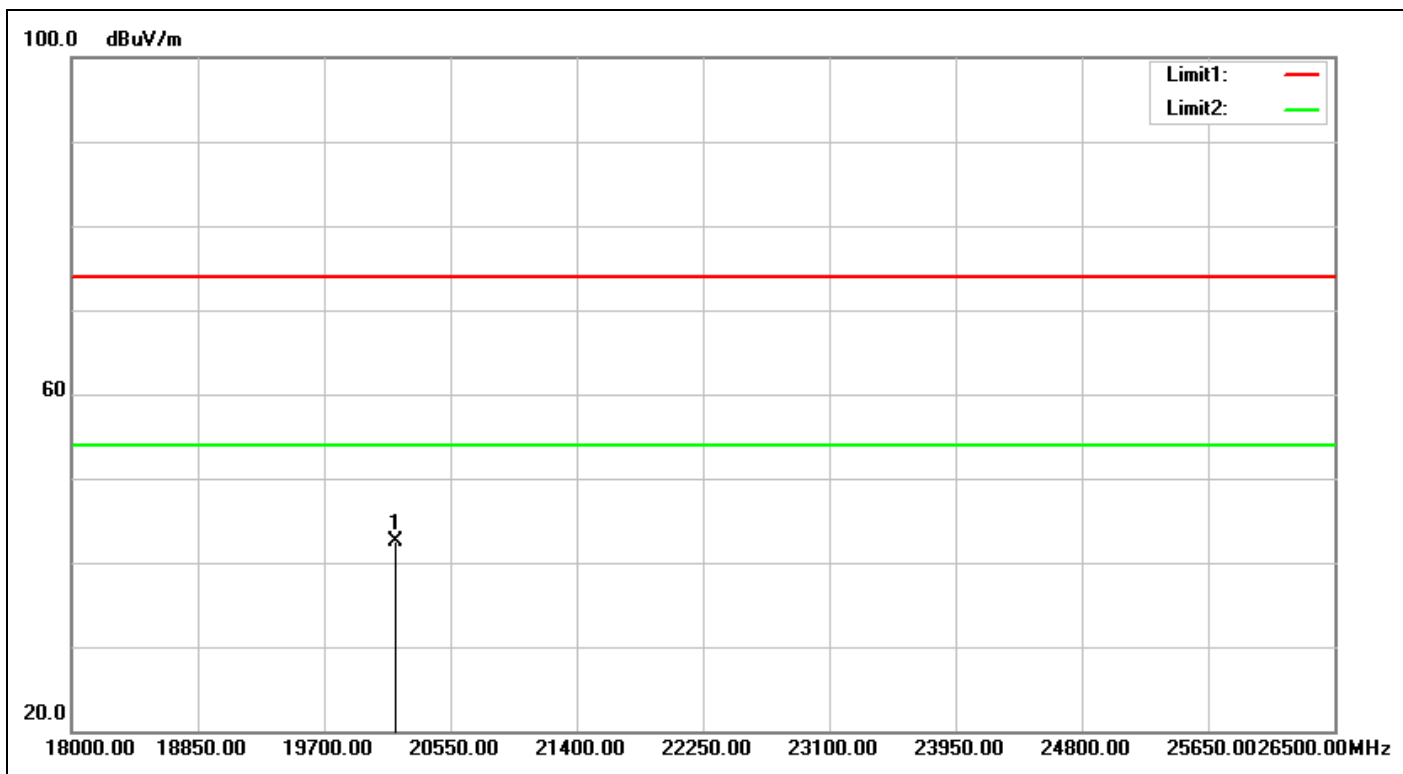
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:03:23
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19980.500	3.85	37.60	41.45	74.00	-32.55	peak	100	206	



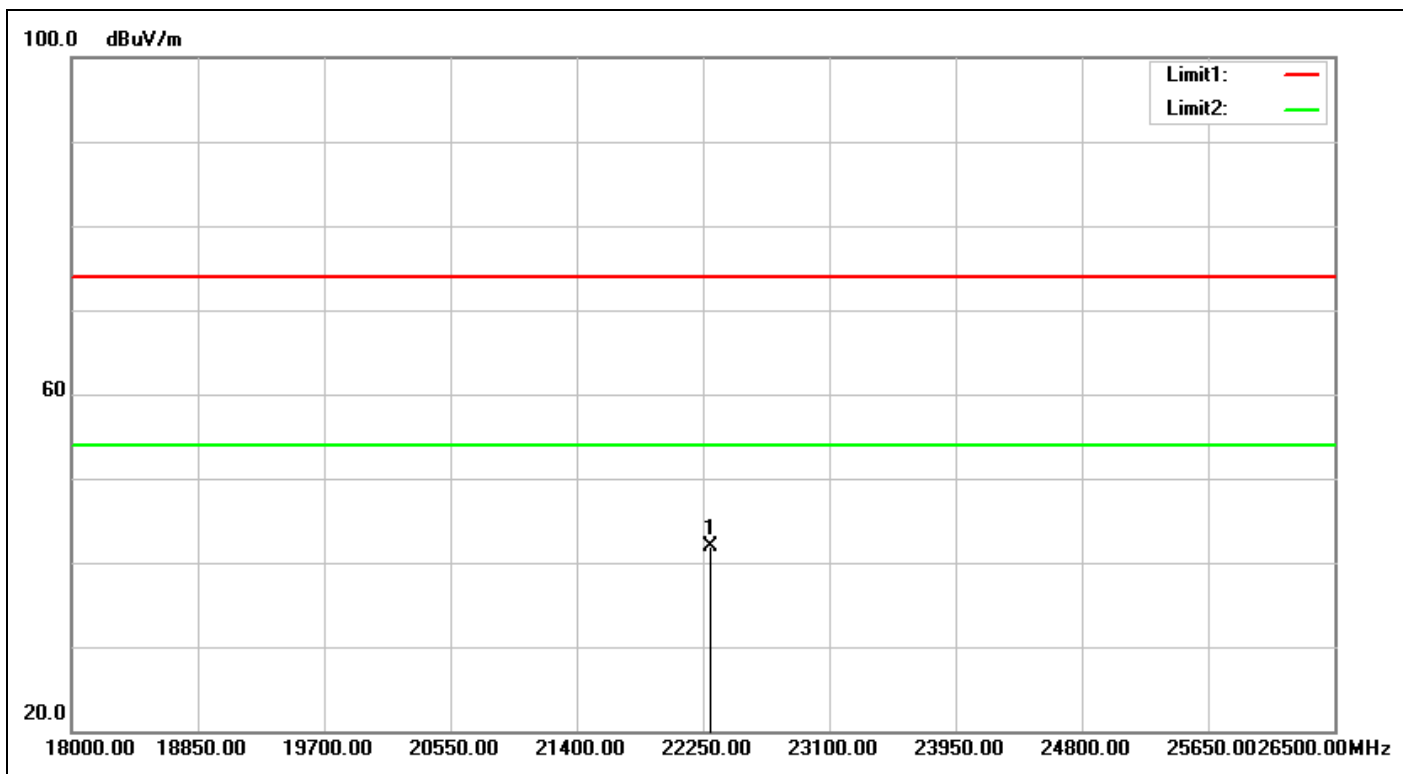
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:05:48
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23176.500	5.20	38.97	44.17	74.00	-29.83	peak	100	10	



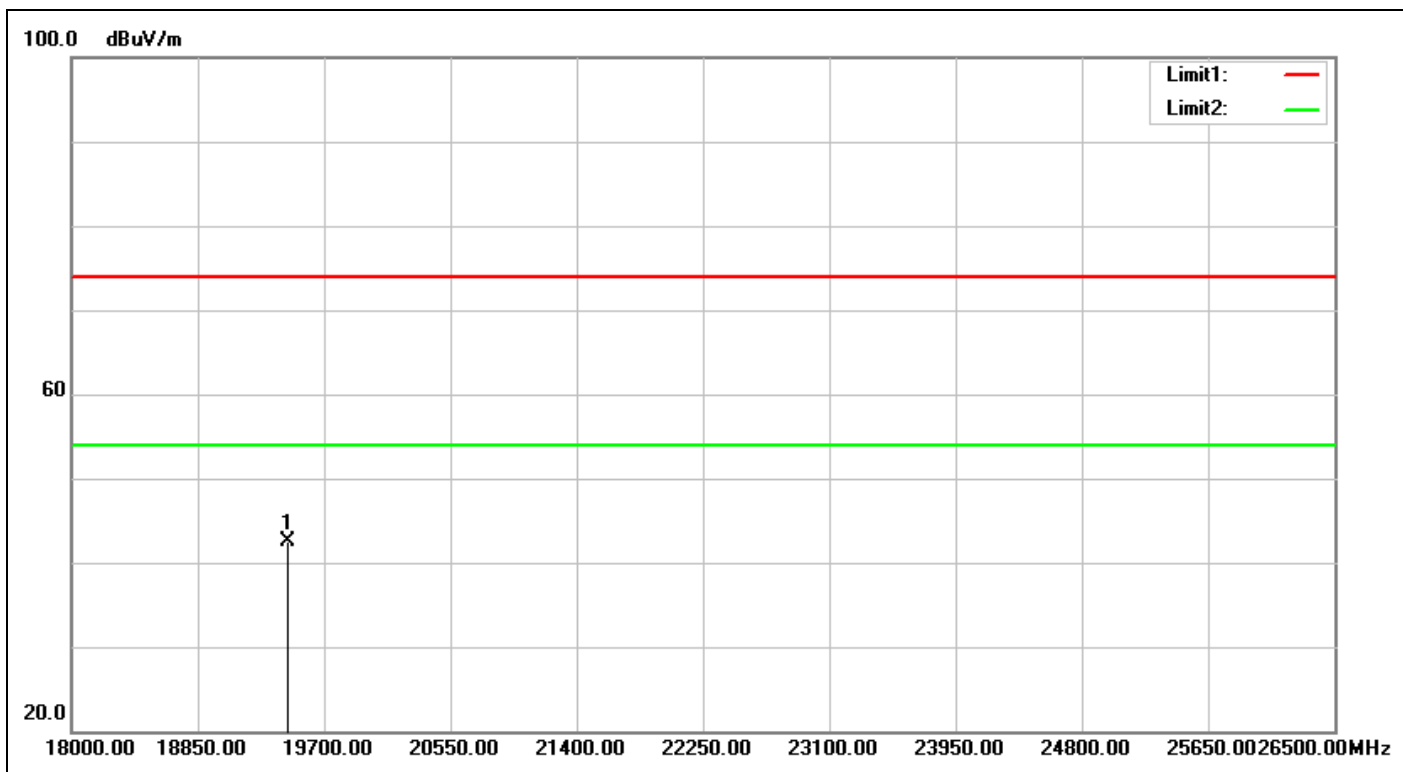
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:07:55
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20184.500	4.36	38.10	42.46	74.00	-31.54	peak	100	21	



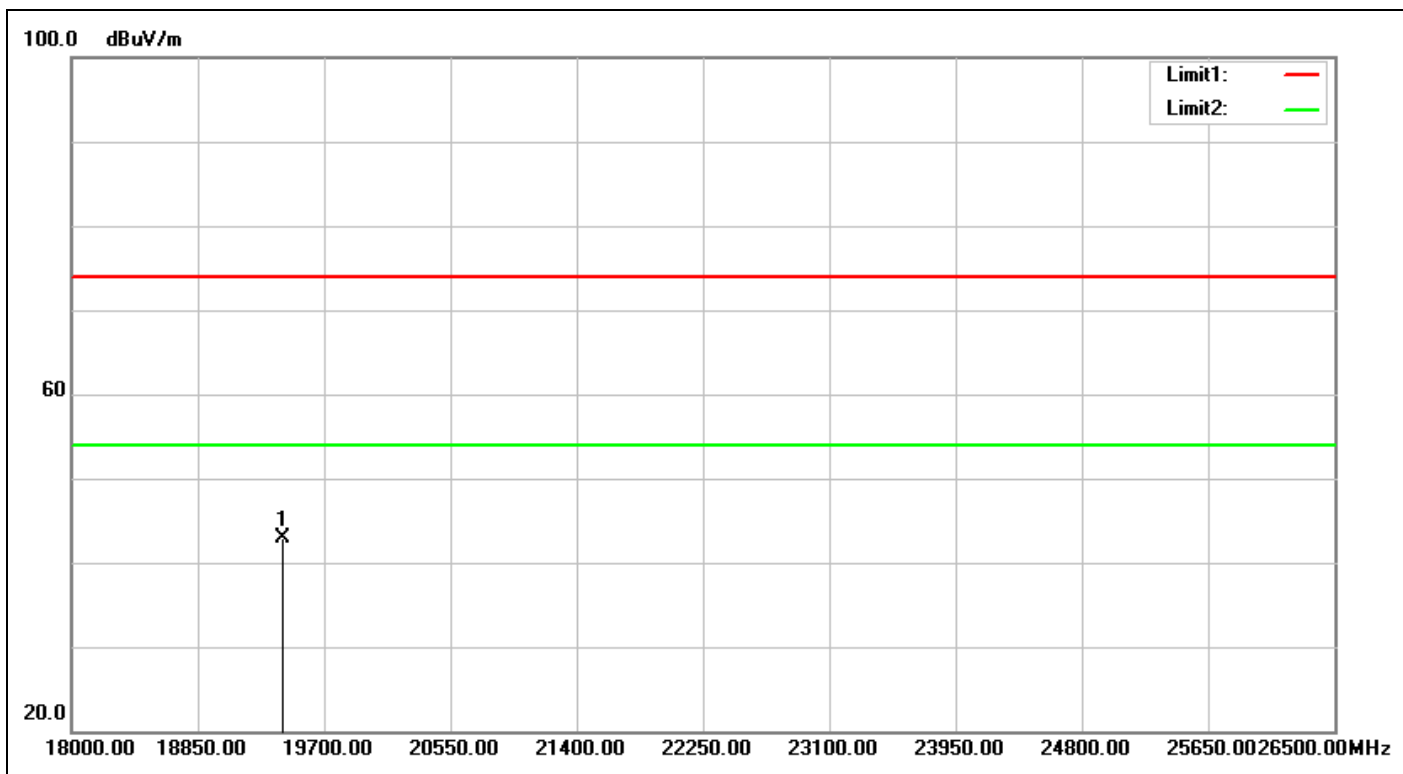
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:09:23
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22301.000	4.70	37.24	41.94	74.00	-32.06	peak	100	79	



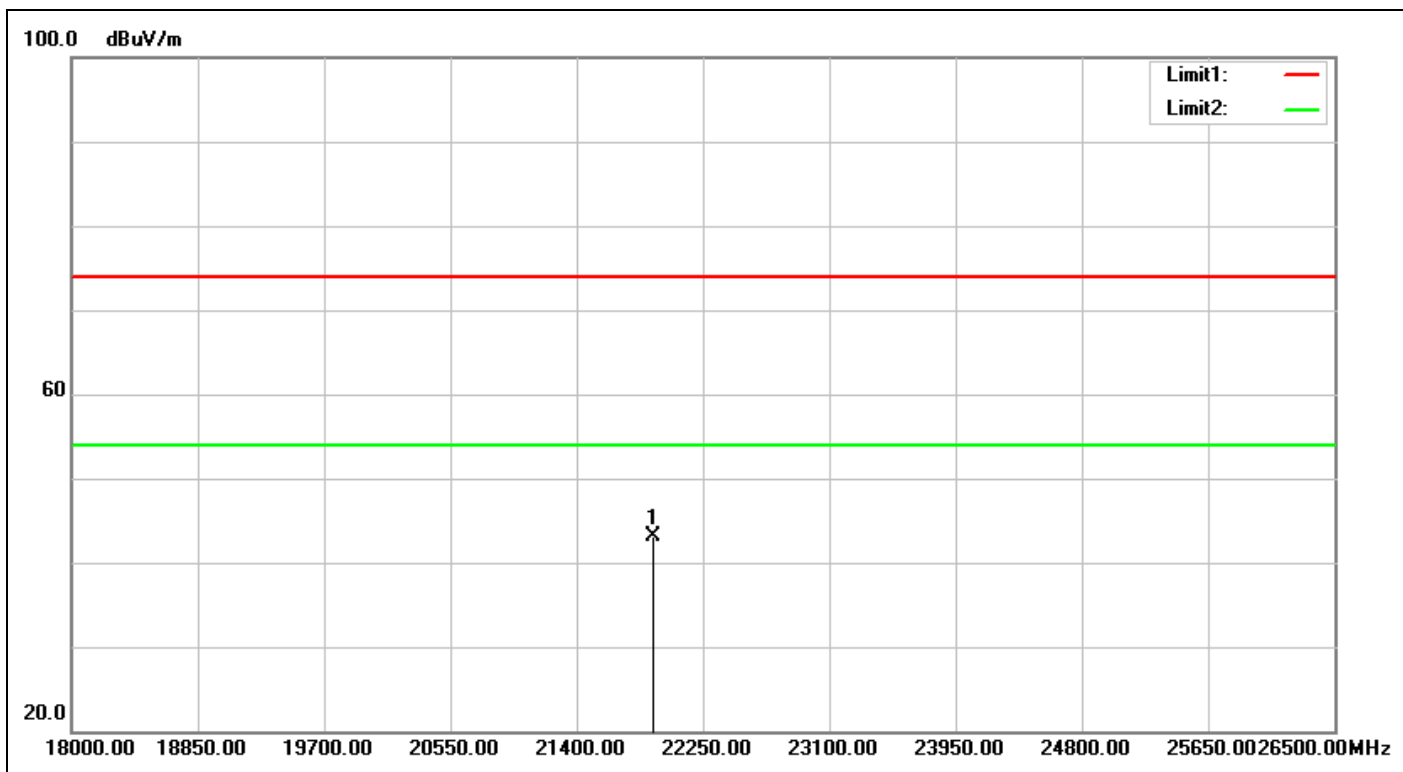
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:11:30
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19453.500	3.70	38.72	42.42	74.00	-31.58	peak	100	123	



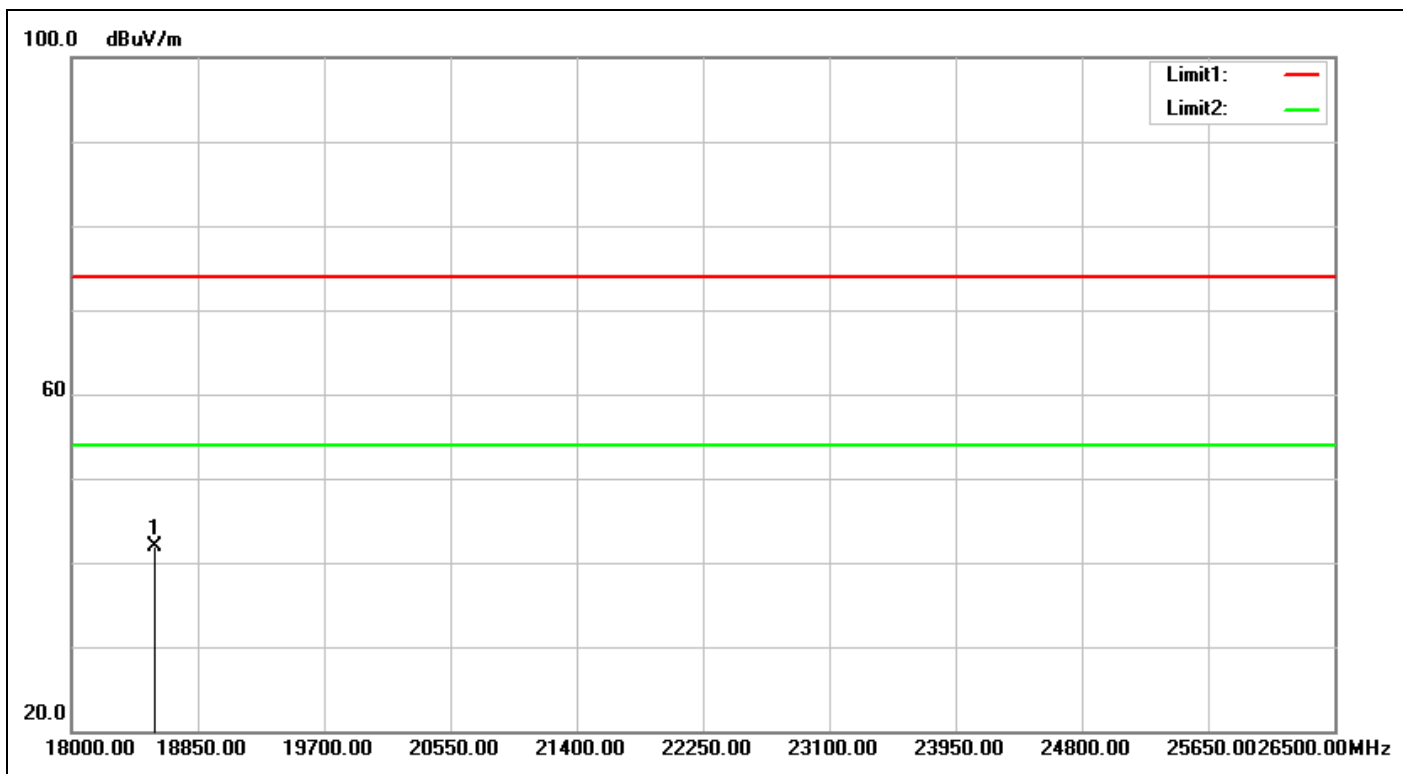
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:13:02
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19419.500	3.77	39.23	43.00	74.00	-31.00	peak	100	56	



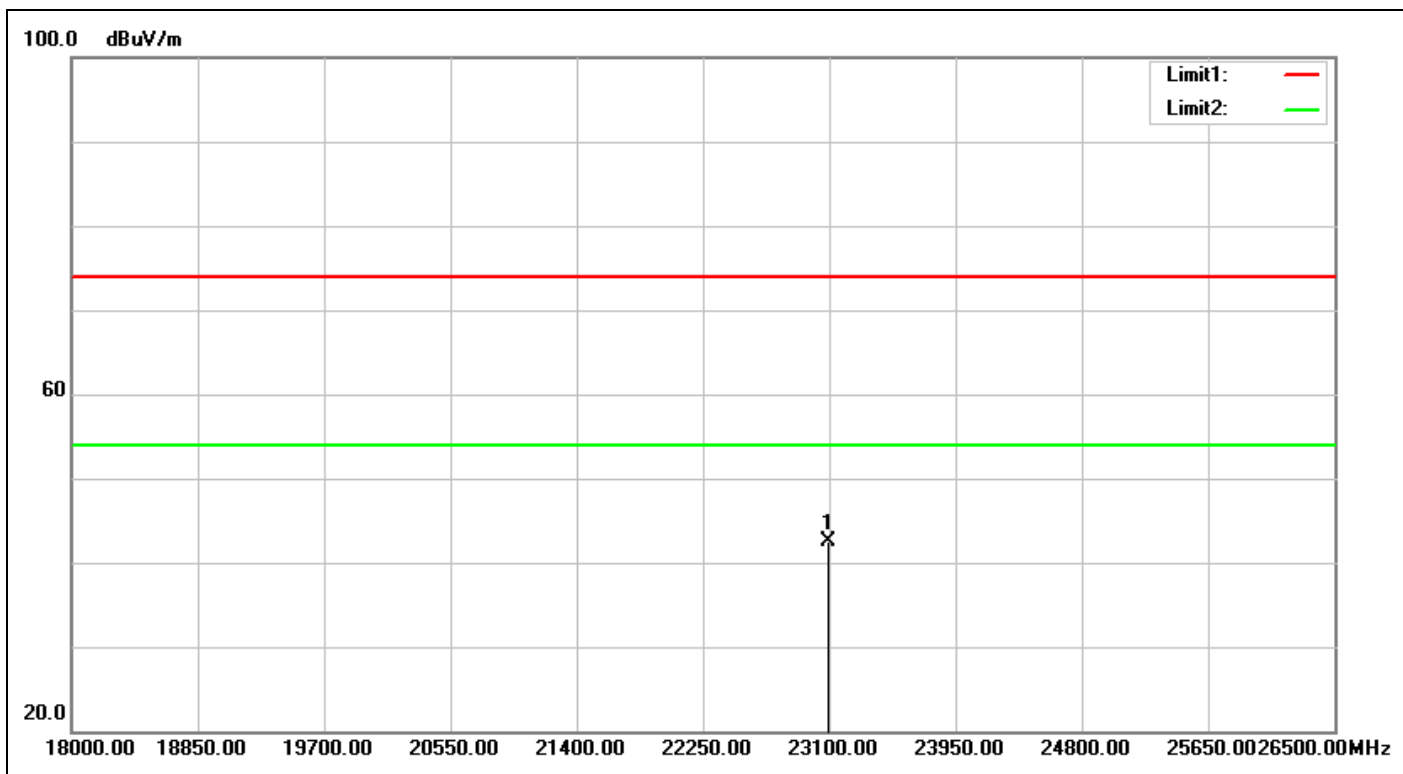
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:15:09
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21918.500	4.34	38.79	43.13	74.00	-30.87	peak	100	127	



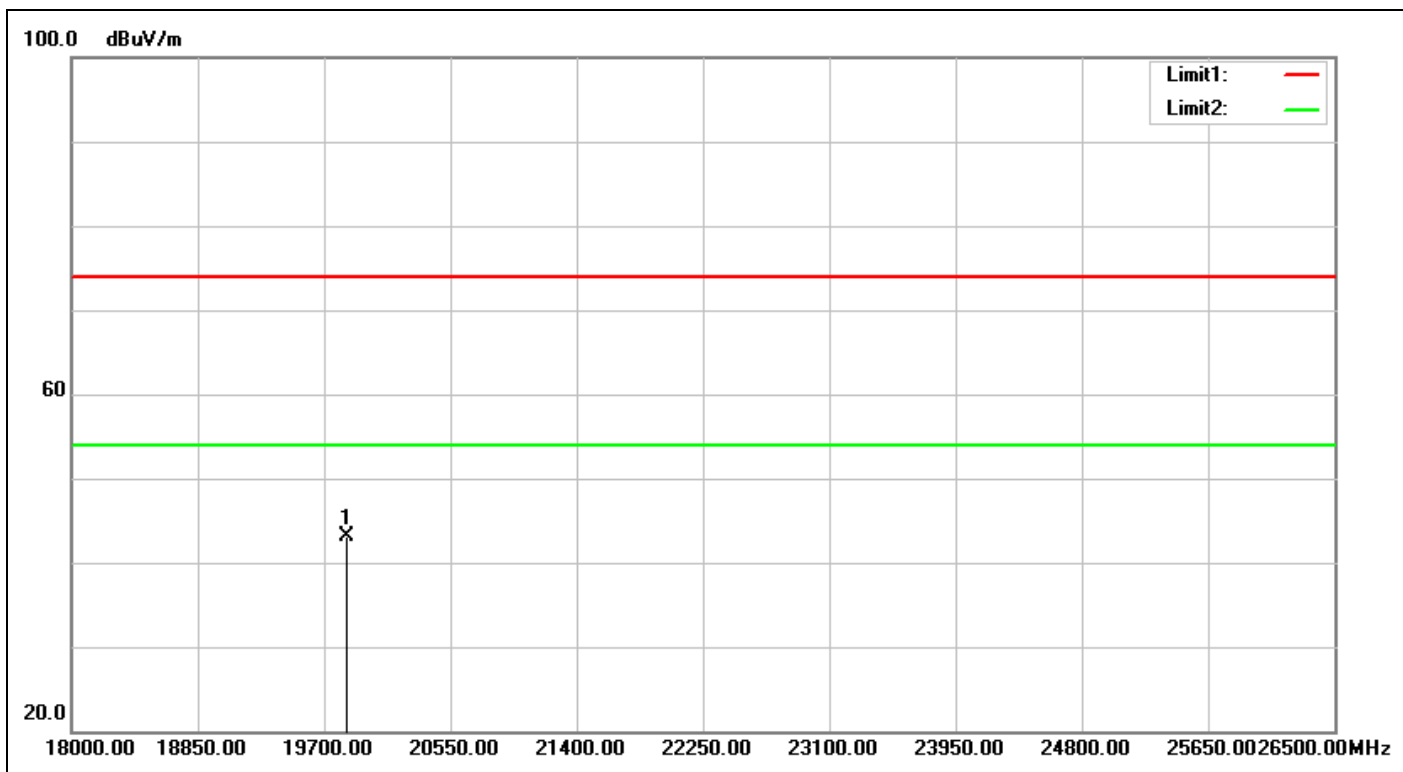
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:17:37
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18561.000	4.15	37.77	41.92	74.00	-32.08	peak	100	53	



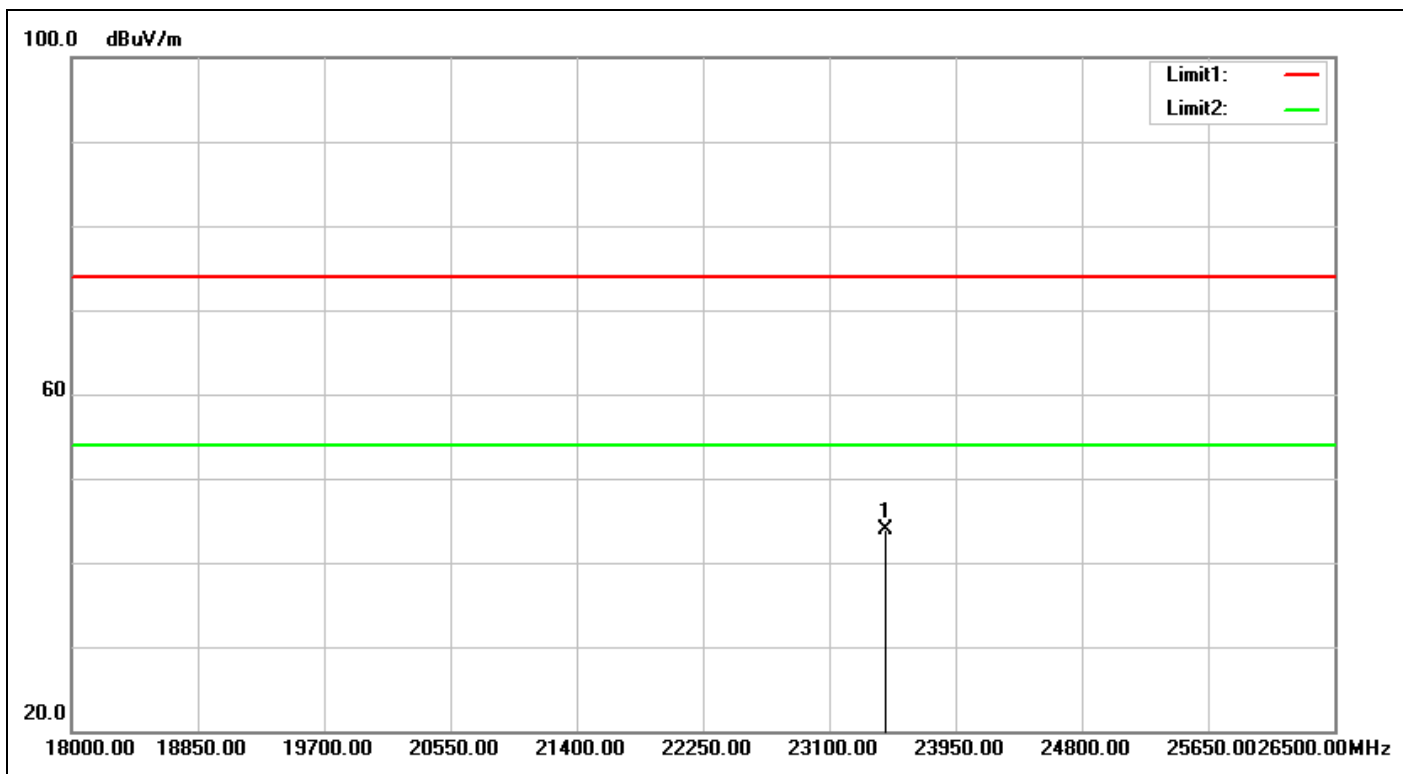
Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:19:44
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23091.500	5.16	37.35	42.51	74.00	-31.49	peak	100	224	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:21:13
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19853.000	3.70	39.36	43.06	74.00	-30.94	peak	100	134	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:23:19
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23482.500	5.27	38.60	43.87	74.00	-30.13	peak	100	288	

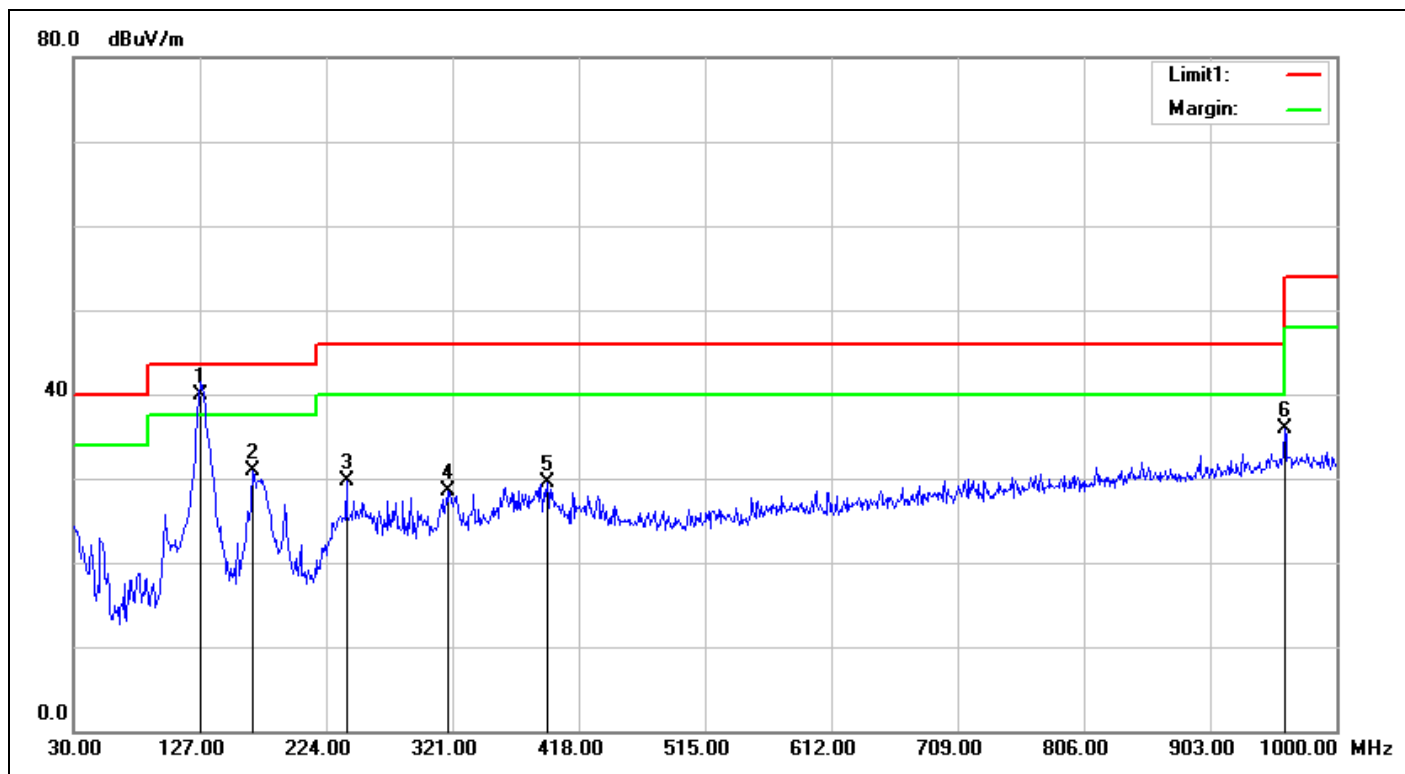
Spurious Emissions, TX Mode, 30M-1G



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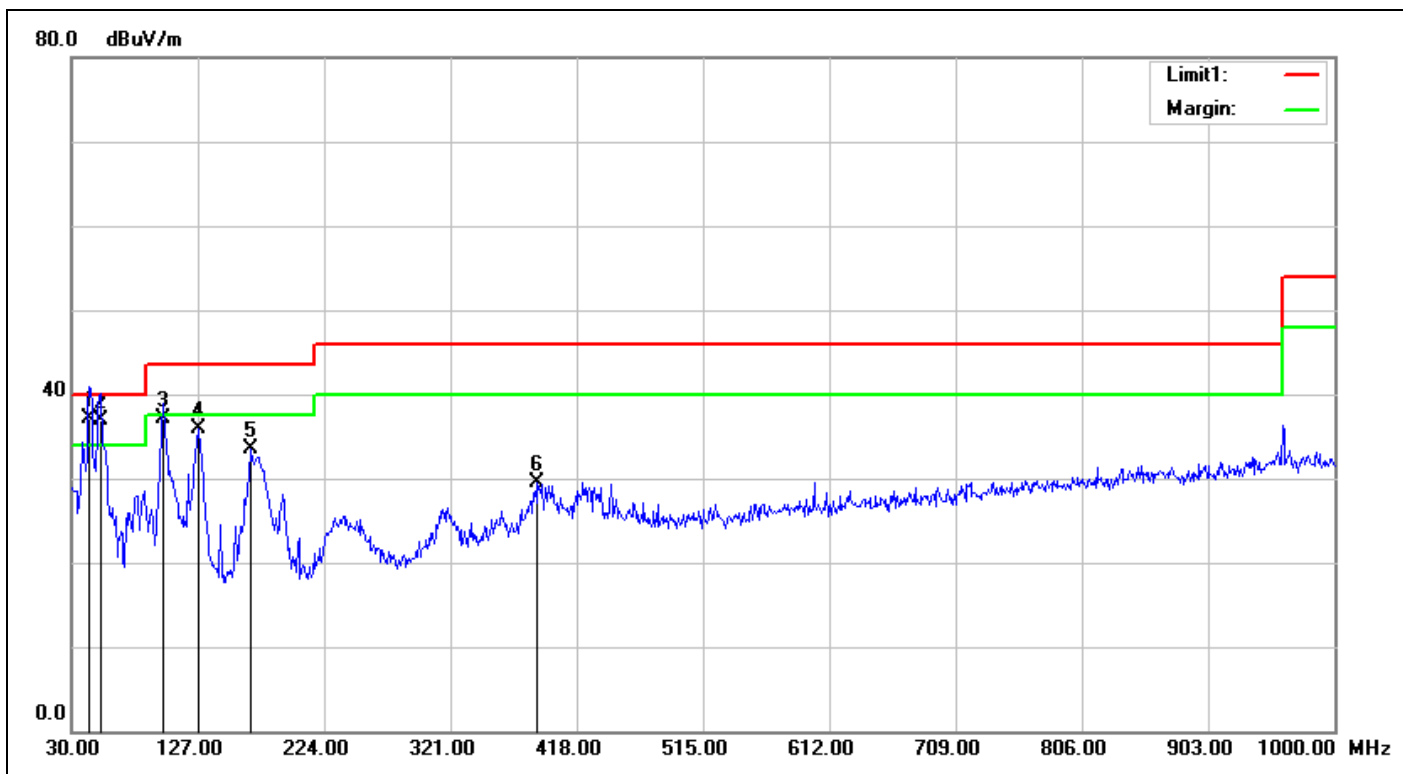
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:46:25
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	127.9699	-7.09	46.99	39.90	43.50	-3.60	QP	100	260	
2	167.7400	-8.76	39.65	30.89	43.50	-12.61	QP	100	241	
3	239.5200	-6.78	36.45	29.67	46.00	-16.33	QP	100	270	
4	318.0899	-4.39	32.96	28.57	46.00	-17.43	QP	100	237	
5	393.7500	-2.61	32.02	29.41	46.00	-16.59	QP	100	66	
6	960.2300	5.94	29.88	35.82	54.00	-18.18	QP	100	297	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:48:19
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	43.5800	-7.82	44.92	37.10	40.00	-2.90	QP	100	183	
2	52.3100	-12.12	49.12	37.00	40.00	-3.00	QP	100	186	
3	100.8100	-9.35	46.55	37.20	43.50	-6.30	QP	100	242	
4	127.0000	-7.10	43.00	35.90	43.50	-7.60	QP	100	143	
5	167.7400	-8.76	42.29	33.53	43.50	-9.97	QP	100	285	
6	387.9300	-2.78	32.33	29.55	46.00	-16.45	QP	100	239	

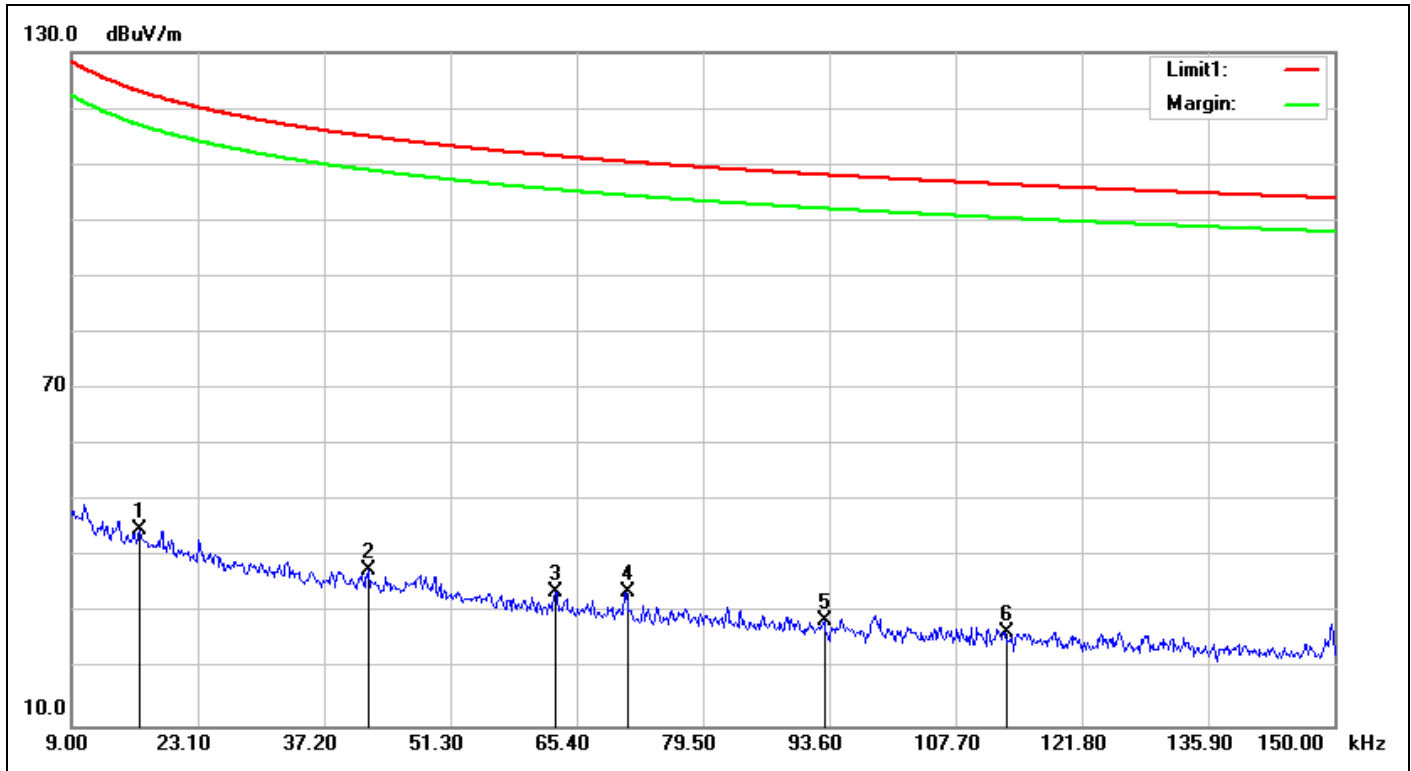
Spurious Emissions, TX Mode, 9K-30M



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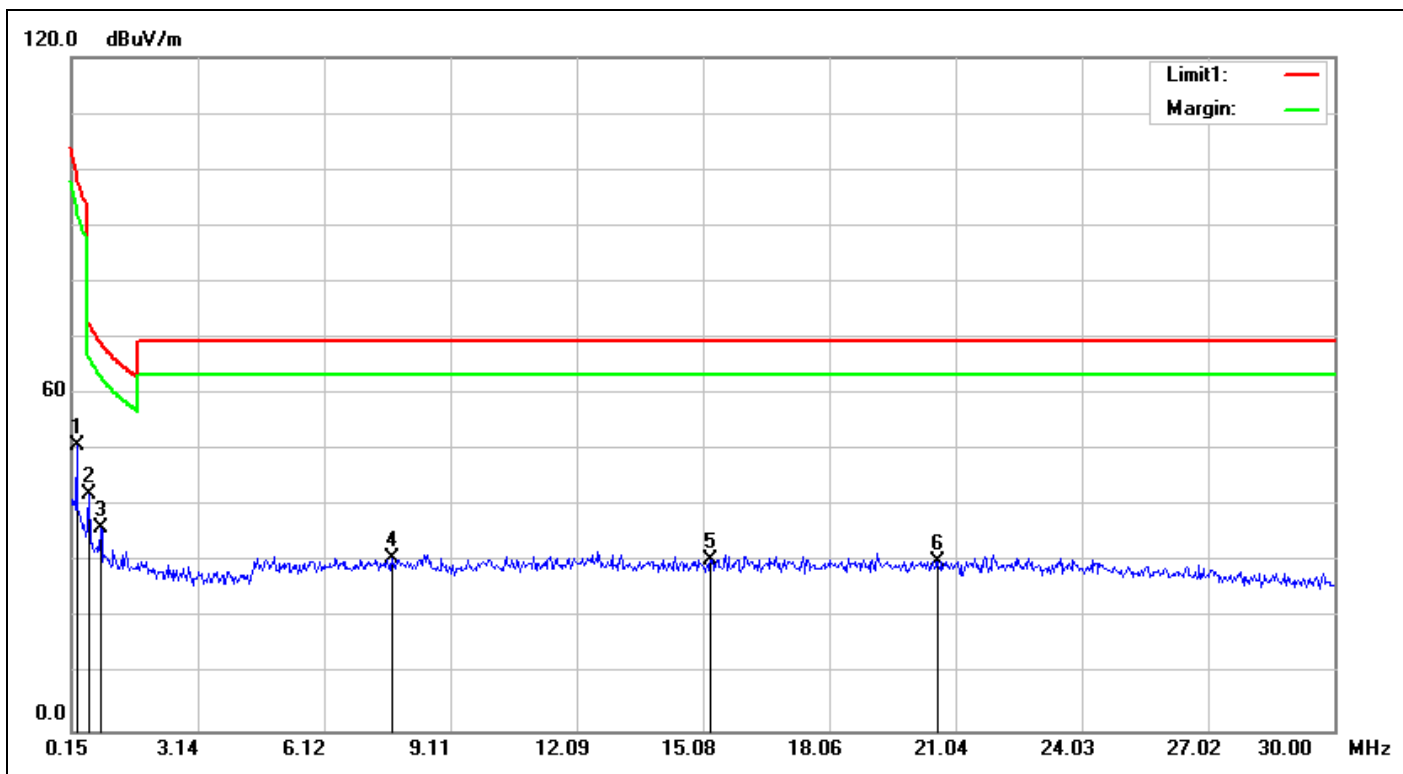
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/19 11:42:25
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%)	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0165	18.78	26.10	44.88	123.07	-78.19	QP	100	188	
2	0.0421	19.08	18.69	37.77	114.99	-77.22	QP	100	249	
3	0.0629	18.77	15.23	34.00	111.52	-77.52	QP	100	154	
4	0.0709	18.67	15.32	33.99	110.49	-76.50	QP	100	356	
5	0.0930	18.40	10.31	28.71	108.14	-79.43	QP	100	221	
6	0.1132	18.34	8.34	26.68	106.45	-79.77	QP	100	30	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/19 11:44:13
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437, Power setting :0(max power)		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.2694	18.42	32.49	50.91	98.96	-48.05	QP	100	51	
2	0.5679	18.65	23.45	42.10	72.52	-30.42	QP	100	109	
3	0.8366	18.67	17.38	36.05	69.17	-33.12	QP	100	36	
4	7.7319	20.00	10.66	30.66	69.50	-38.84	QP	100	225	
5	15.2541	21.05	9.55	30.60	69.50	-38.90	QP	100	15	
6	20.6271	21.63	8.63	30.26	69.50	-39.24	QP	100	131	

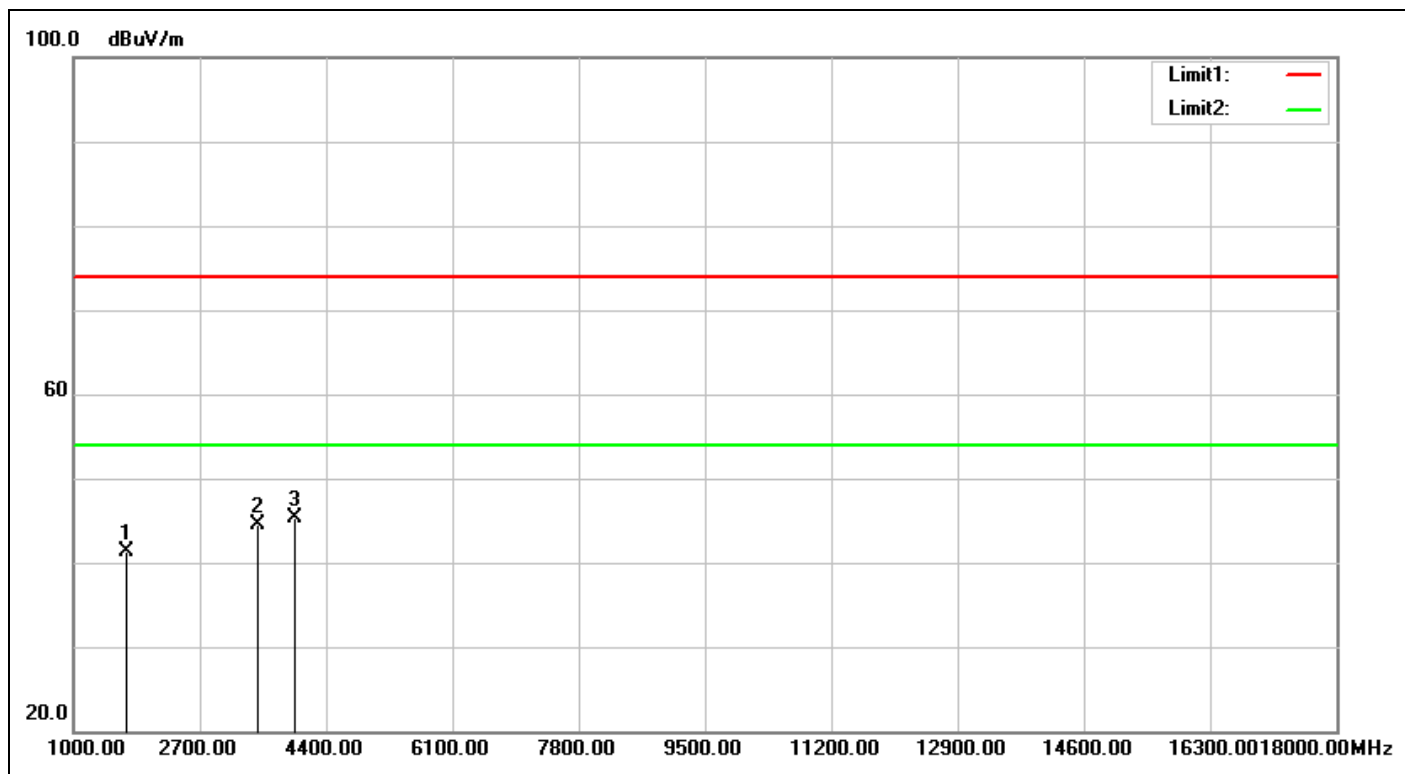
Spurious Emissions, RX Mode, 1-18G



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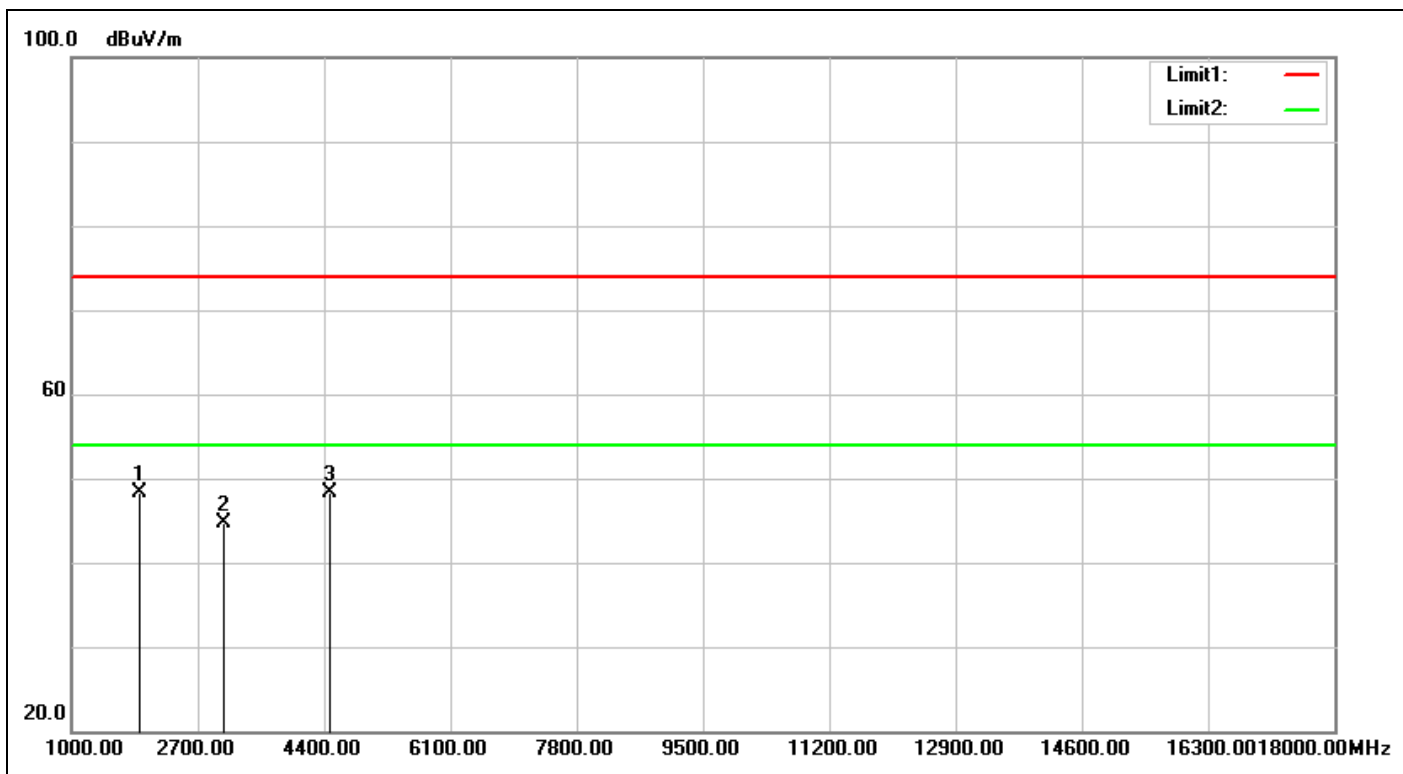
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Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 10:00:56
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1714.000	-9.19	50.57	41.38	74.00	-32.62	peak	100	13	
2	3482.000	-6.19	50.79	44.60	74.00	-29.40	peak	100	206	
3	3975.000	-5.49	50.81	45.32	74.00	-28.68	peak	100	89	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 10:01:48
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.79	56.03	48.24	74.00	-25.76	peak	100	76	
2	3057.000	-6.58	51.37	44.79	74.00	-29.21	peak	100	261	
3	4485.000	-3.48	51.69	48.21	74.00	-25.79	peak	100	121	

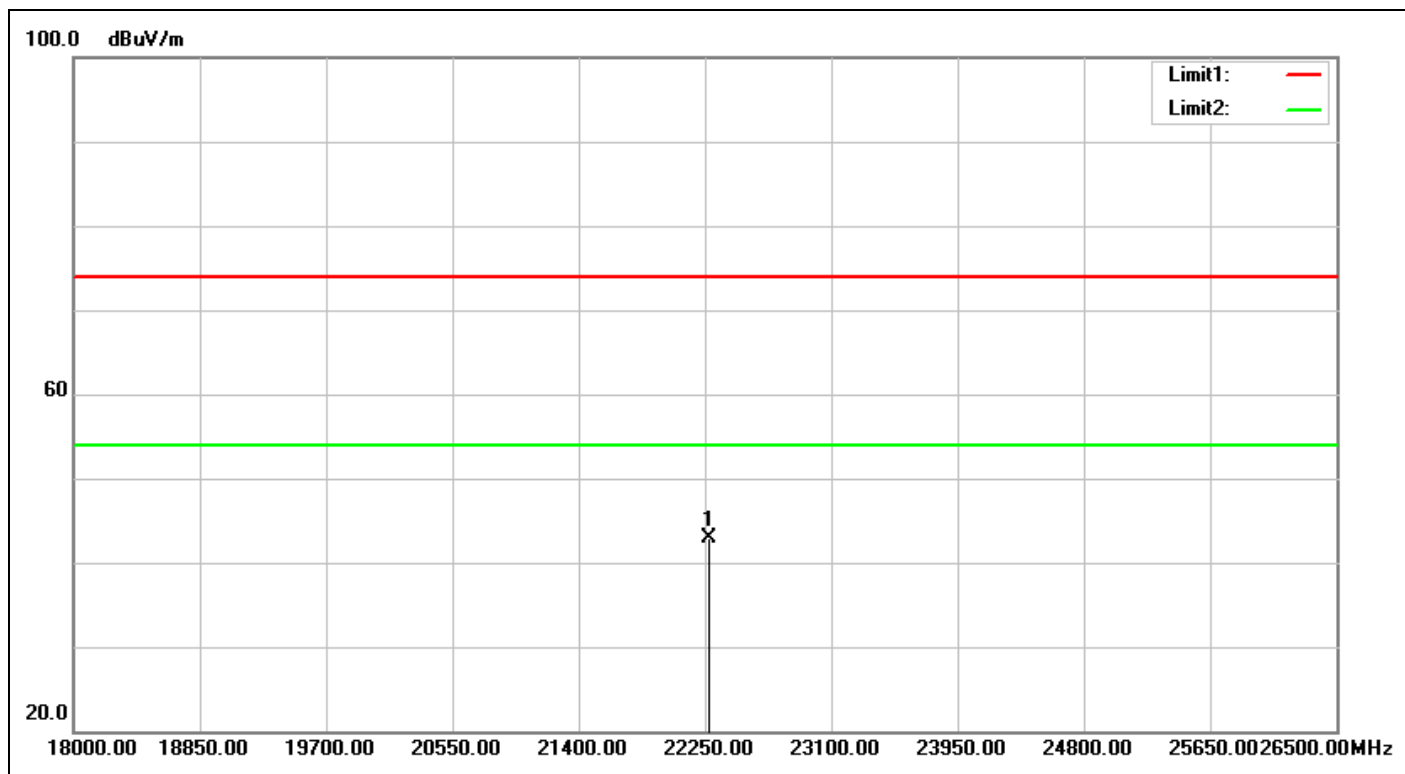
Spurious Emissions, RX Mode, 18-26G



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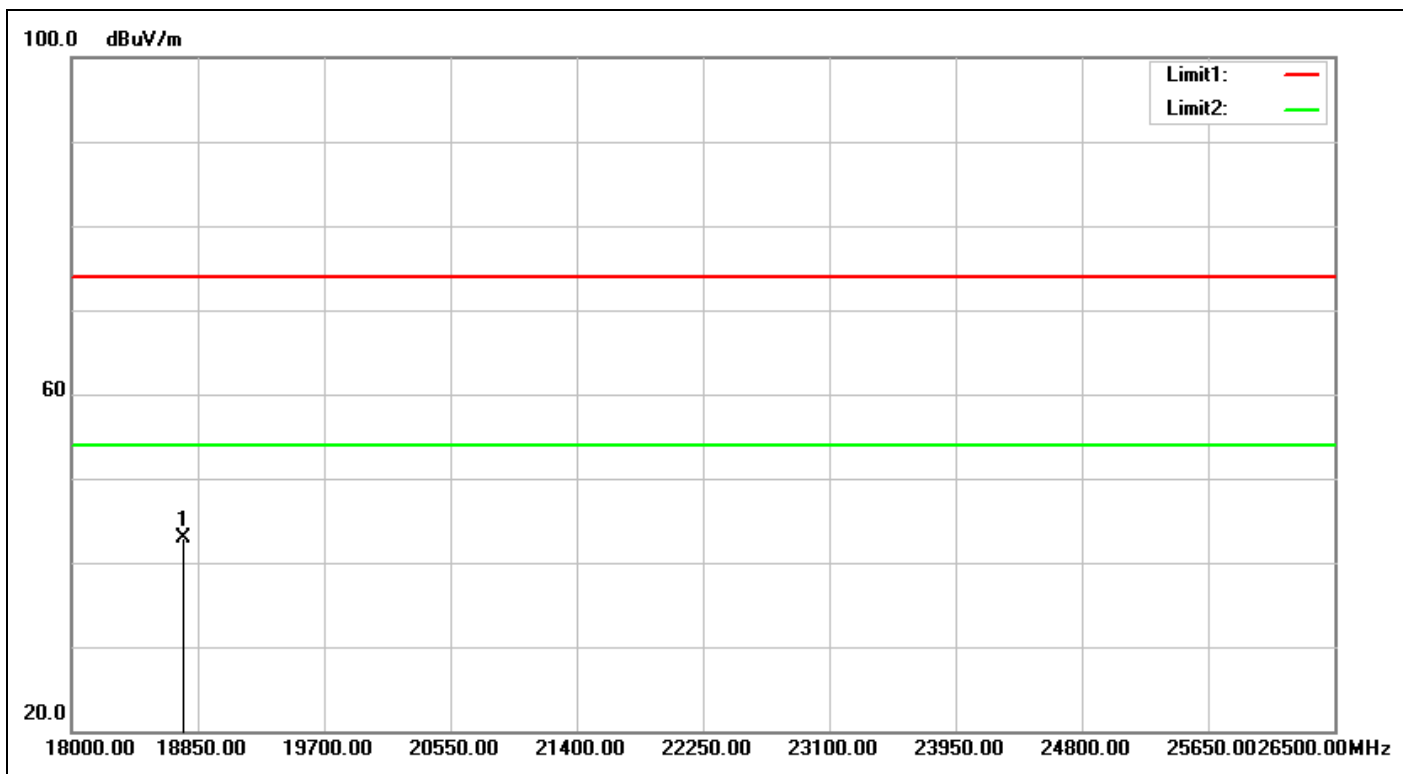
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Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:37:09
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22275.500	4.73	38.25	42.98	74.00	-31.02	peak	100	68	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:39:16
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18748.000	4.09	38.89	42.98	74.00	-31.02	peak	100	116	

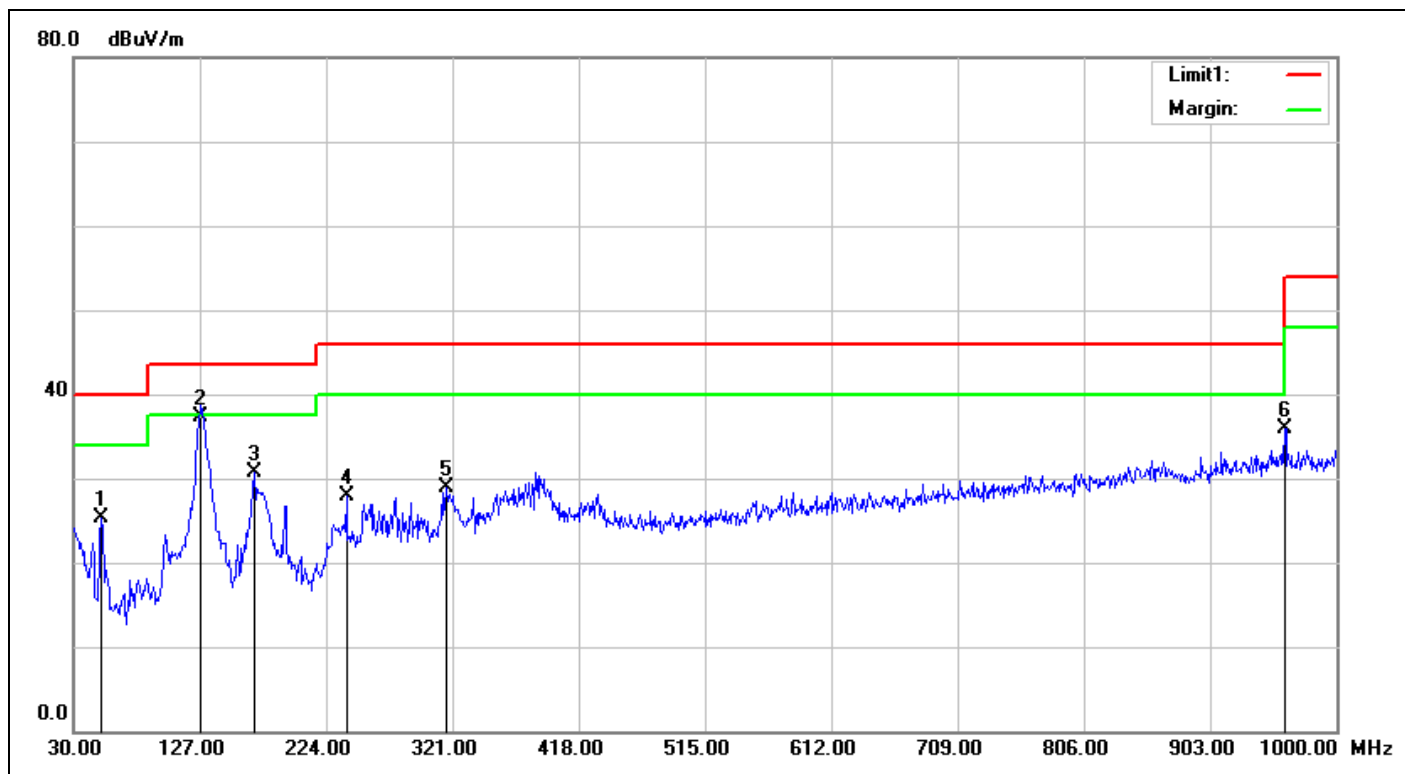
Spurious Emissions, RX Mode, 30M-1G



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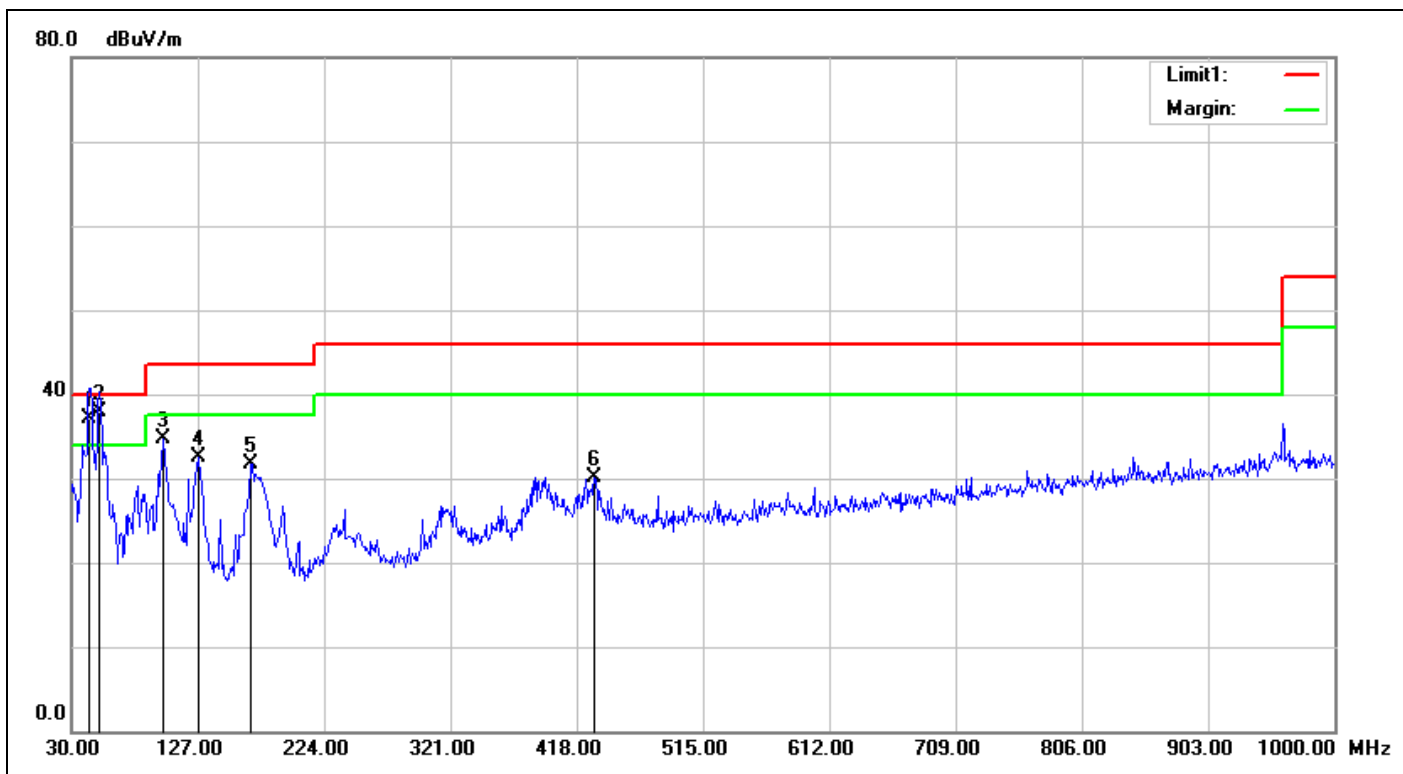
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Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/19 11:50:37
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	51.3400	-11.71	37.00	25.29	40.00	-14.71	QP	100	107	
2	127.9699	-7.09	44.39	37.30	43.50	-6.20	QP	100	275	
3	168.7100	-8.84	39.49	30.65	43.50	-12.85	QP	100	222	
4	239.5200	-6.78	34.75	27.97	46.00	-18.03	QP	100	77	
5	316.1499	-4.42	33.24	28.82	46.00	-17.18	QP	100	235	
6	960.2300	5.94	29.93	35.87	54.00	-18.13	QP	100	295	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/19 11:52:30
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	43.5800	-7.82	45.02	37.20	40.00	-2.80	QP	100	191	
2	51.3400	-11.71	49.61	37.90	40.00	-2.10	QP	100	46	
3	100.8100	-9.35	44.03	34.68	43.50	-8.82	QP	100	260	
4	127.0000	-7.10	39.63	32.53	43.50	-10.97	QP	100	147	
5	167.7400	-8.76	40.44	31.68	43.50	-11.82	QP	100	306	
6	431.5800	-2.06	32.08	30.02	46.00	-15.98	QP	100	187	

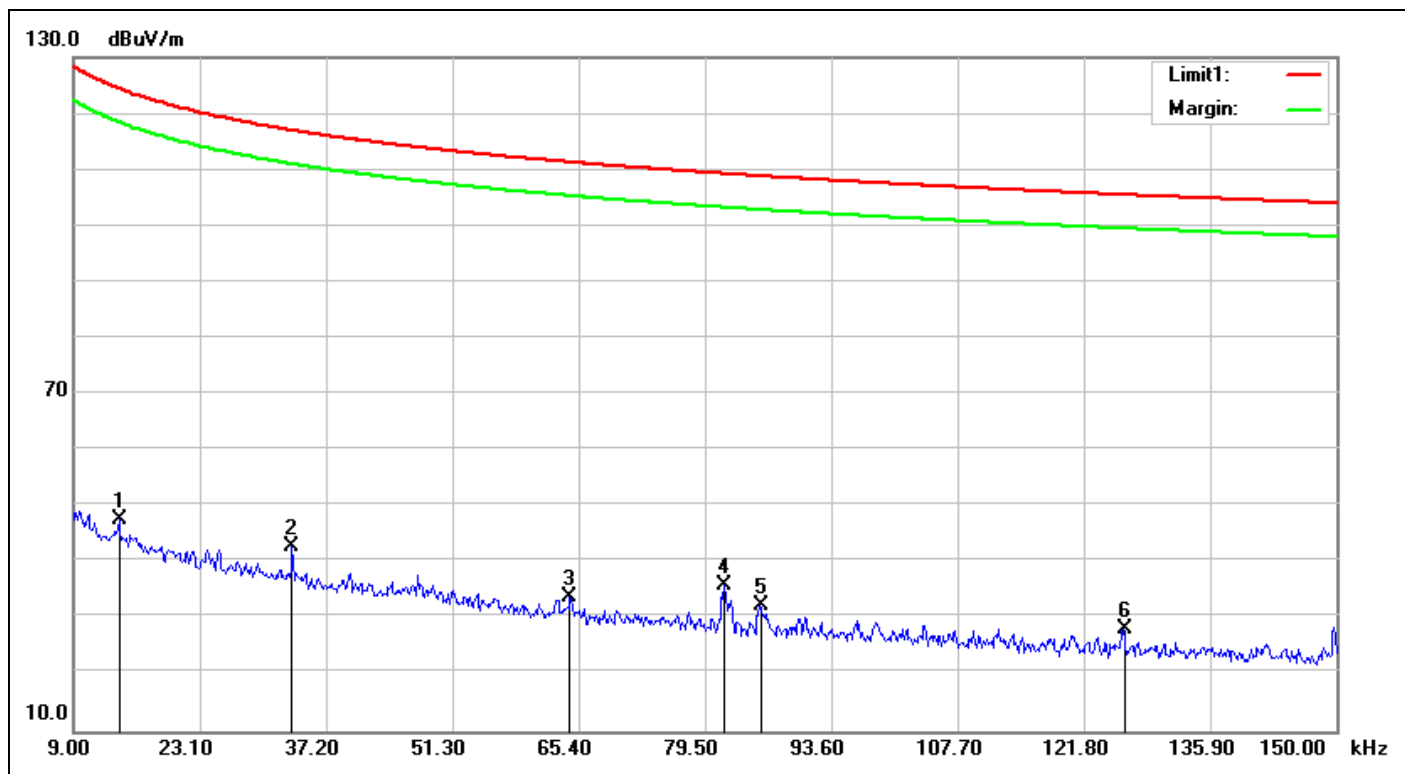
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

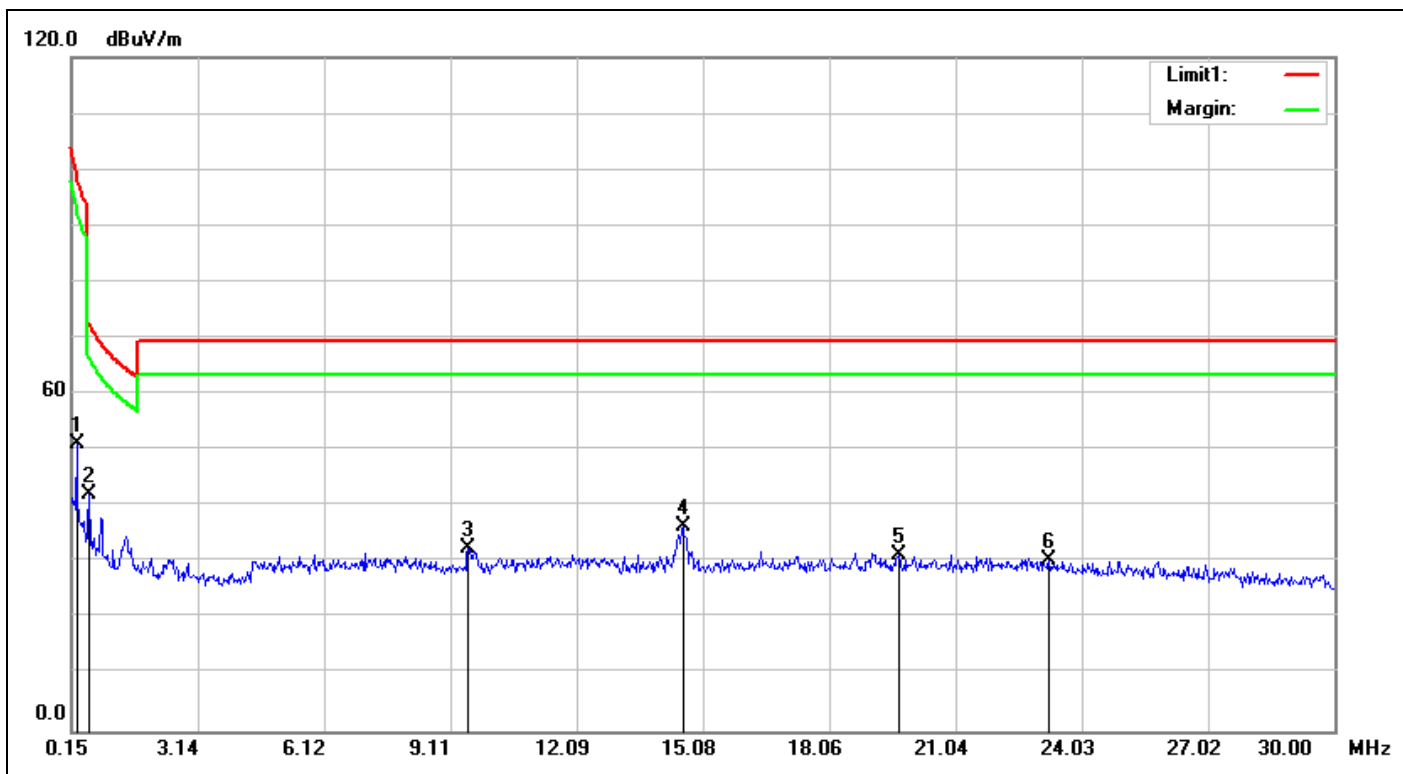
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/19 11:47:11
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%)	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0141	18.69	28.99	47.68	124.43	-76.75	QP	100	157	
2	0.0334	19.25	23.51	42.76	116.99	-74.23	QP	100	233	
3	0.0644	18.75	15.02	33.77	111.32	-77.55	QP	100	200	
4	0.0816	18.54	17.51	36.05	109.27	-73.22	QP	100	189	
5	0.0856	18.49	13.76	32.25	108.86	-76.61	QP	100	257	
6	0.1262	18.34	9.89	28.23	105.51	-77.28	QP	100	231	



Service No.:	114085221	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/19 11:45:11
Applicant:	西門子股份有限公司	Test Rating:	DC 15V
Product:	SINAMICS G120 Smart Access	Temp.(°C)/Hum.(%):	19(°C)/57%
Model No.:	6SL3255-0AA00-5AA0	Test Engineer:	Kevin Kuo
Test Mode:	B-RX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.2694	18.42	32.72	51.14	98.96	-47.82	QP	100	36	
2	0.5679	18.65	23.54	42.19	72.52	-30.33	QP	100	103	
3	9.5229	20.34	12.12	32.46	69.50	-37.04	QP	100	54	
4	14.5974	20.98	15.55	36.53	69.50	-32.97	QP	100	143	
5	19.7018	21.57	9.66	31.23	69.50	-38.27	QP	100	229	
6	23.2539	21.73	8.71	30.44	69.50	-39.06	QP	100	156	