

Test Report No.10055297 001

Appendix D: Radiated Spurious Emission Data

(File: 10055297AppendixD)

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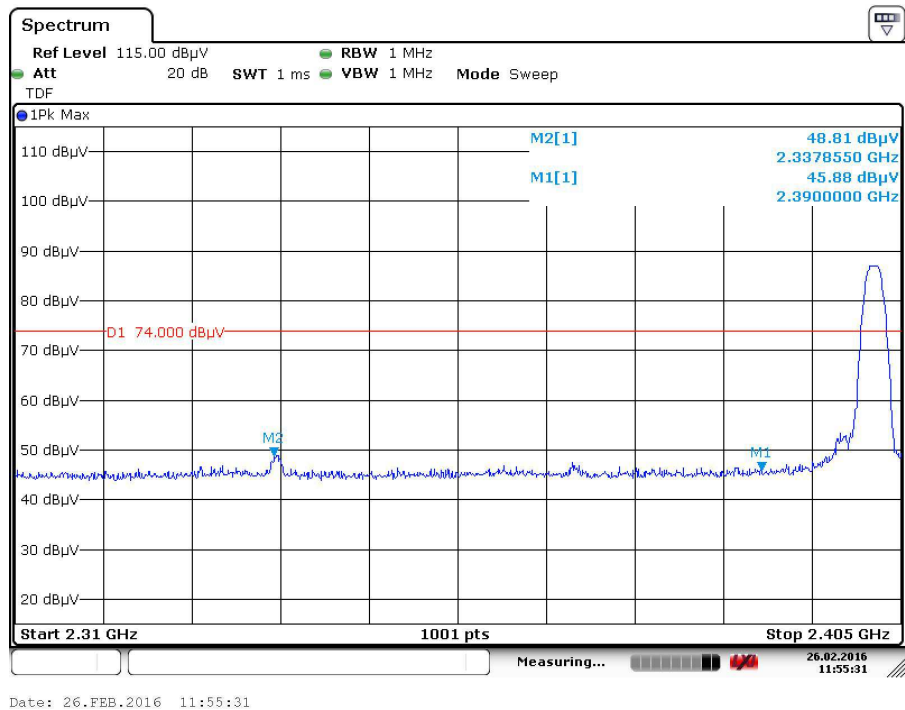
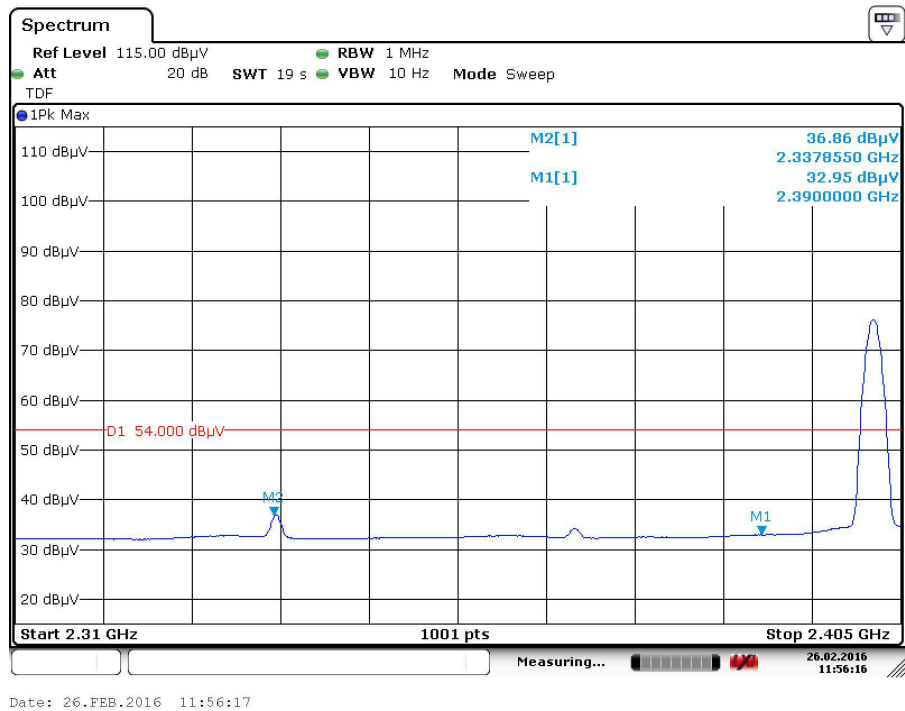
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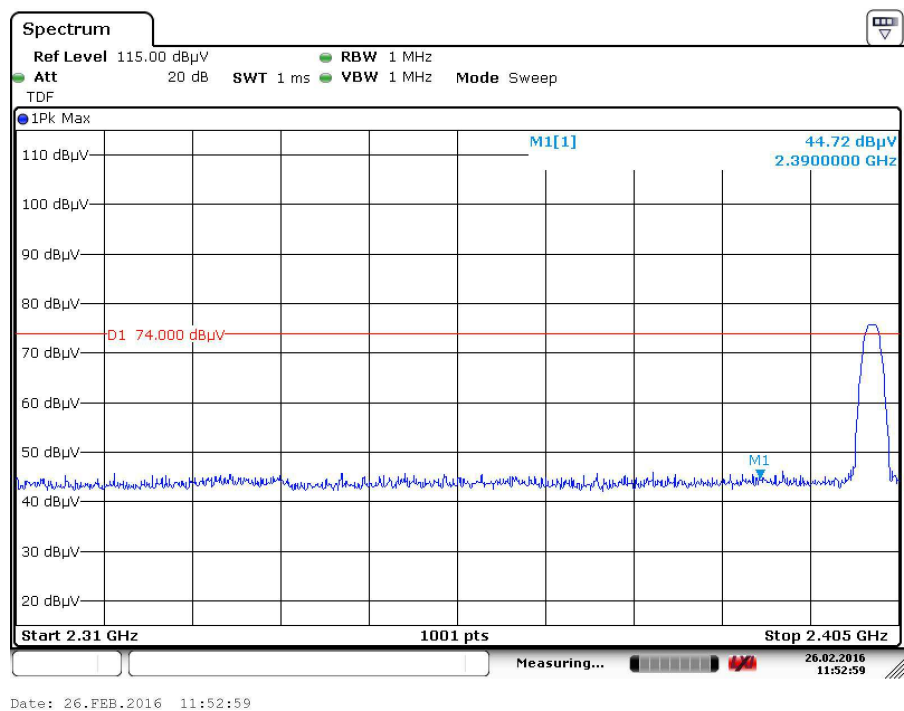
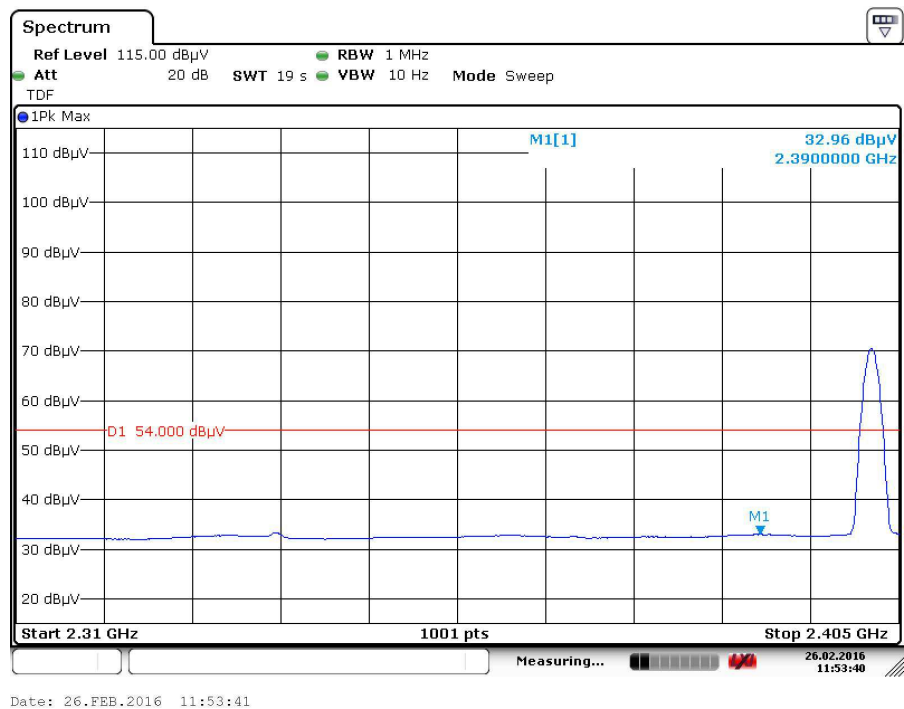
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Radiated Bandedge (GFSK)

Low Channel (Hor)



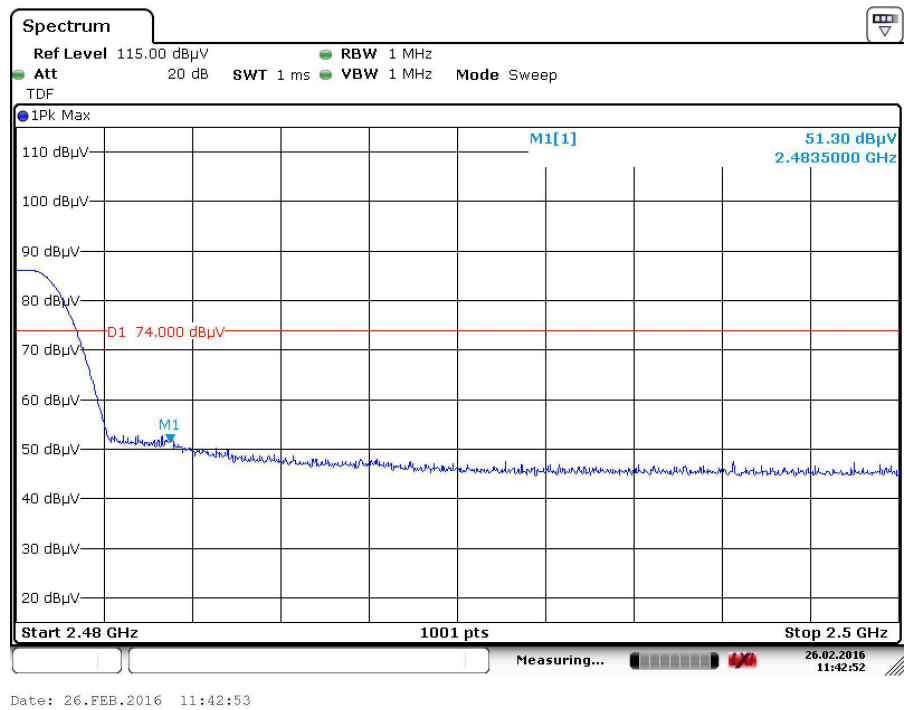
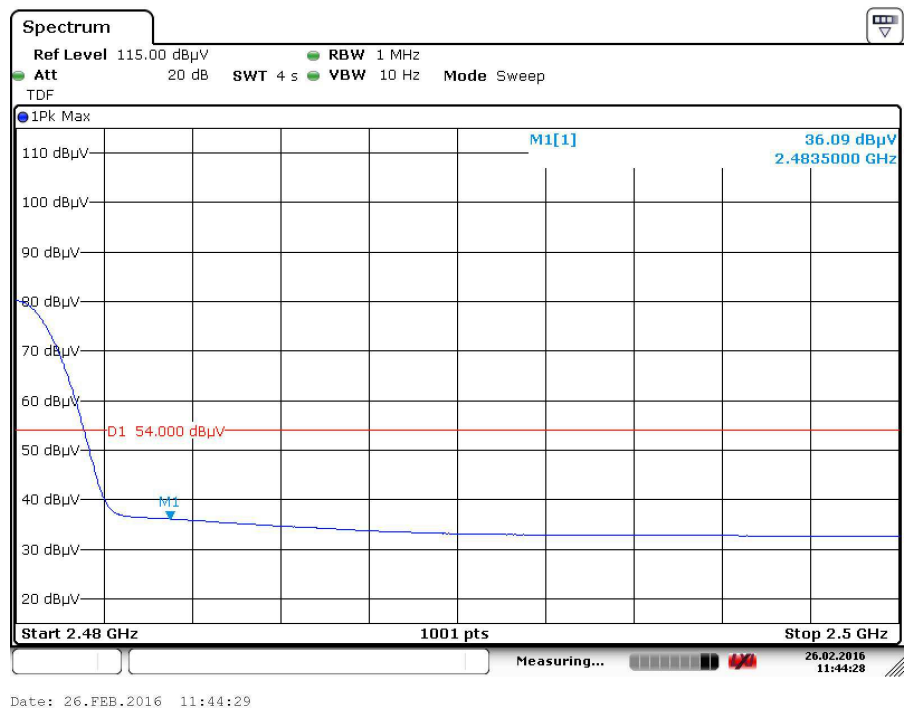
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

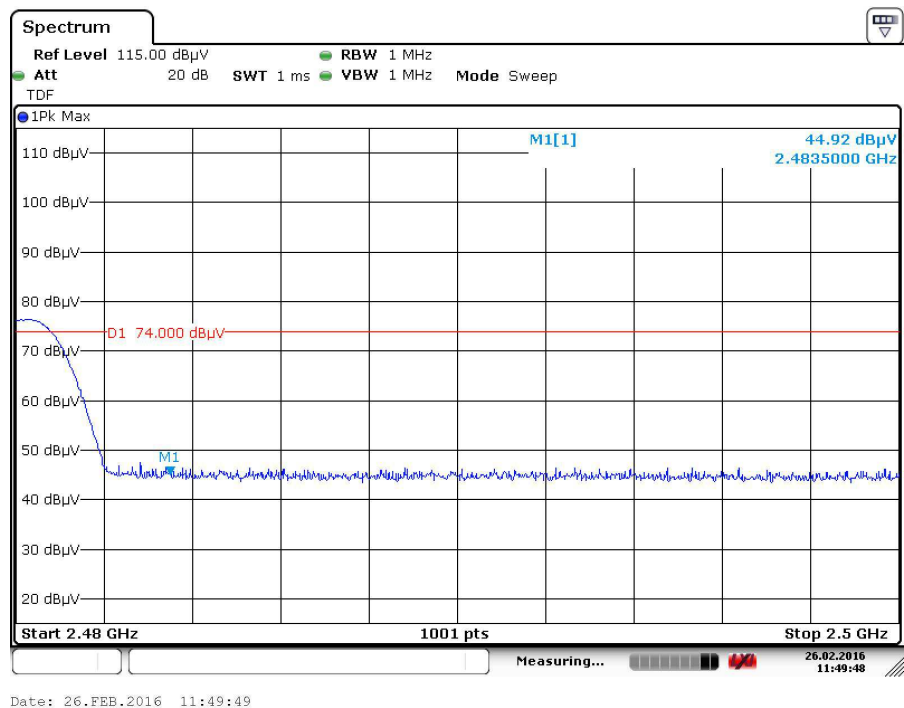
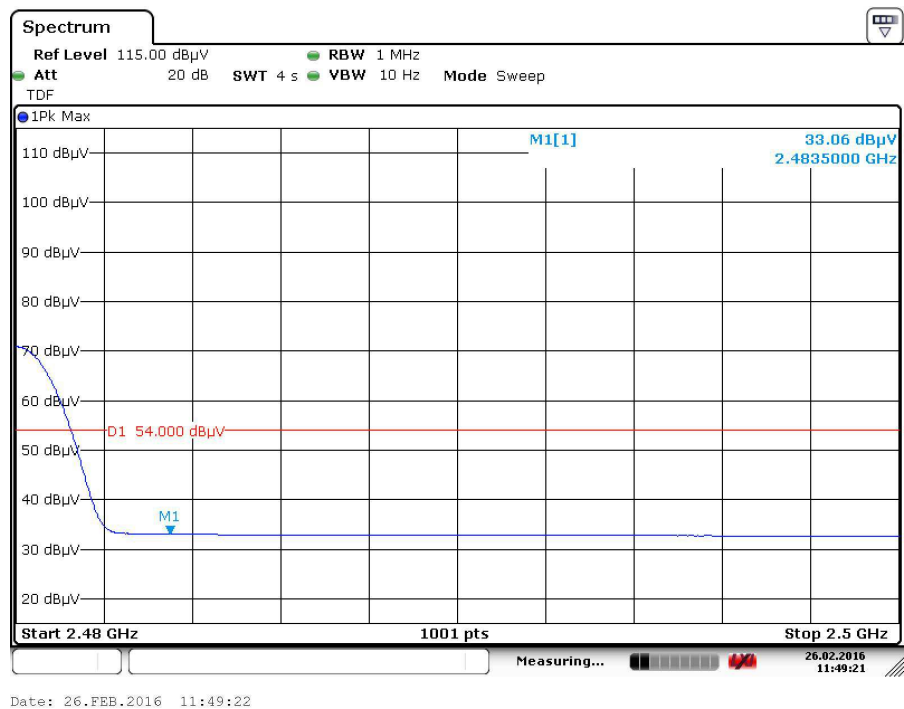
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

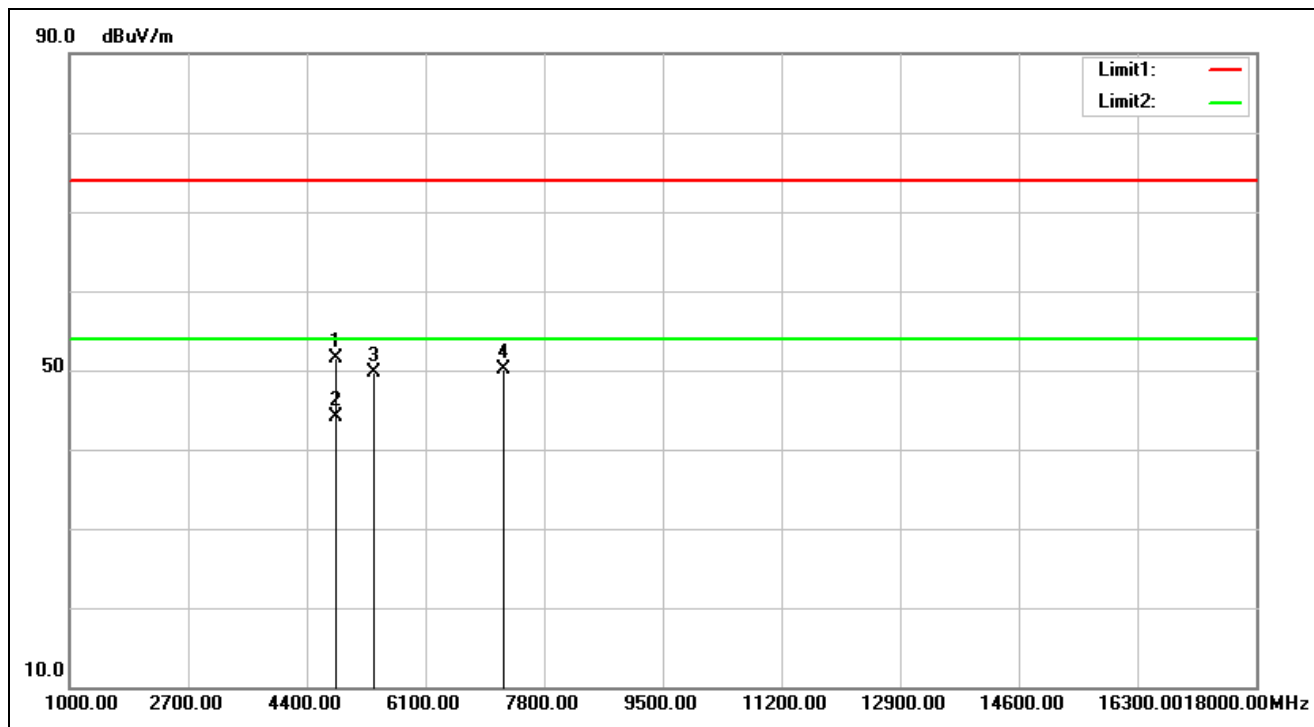
Spurious Emissions, TX Mode, 1-18G



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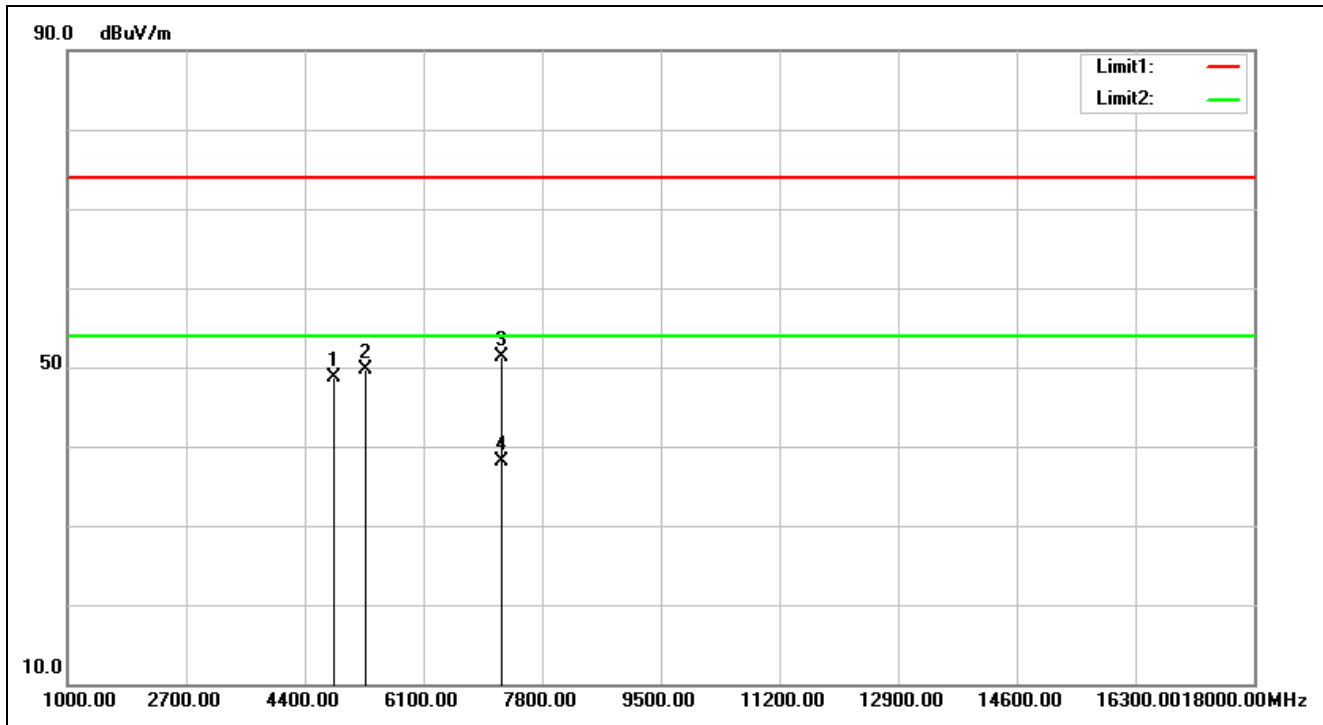
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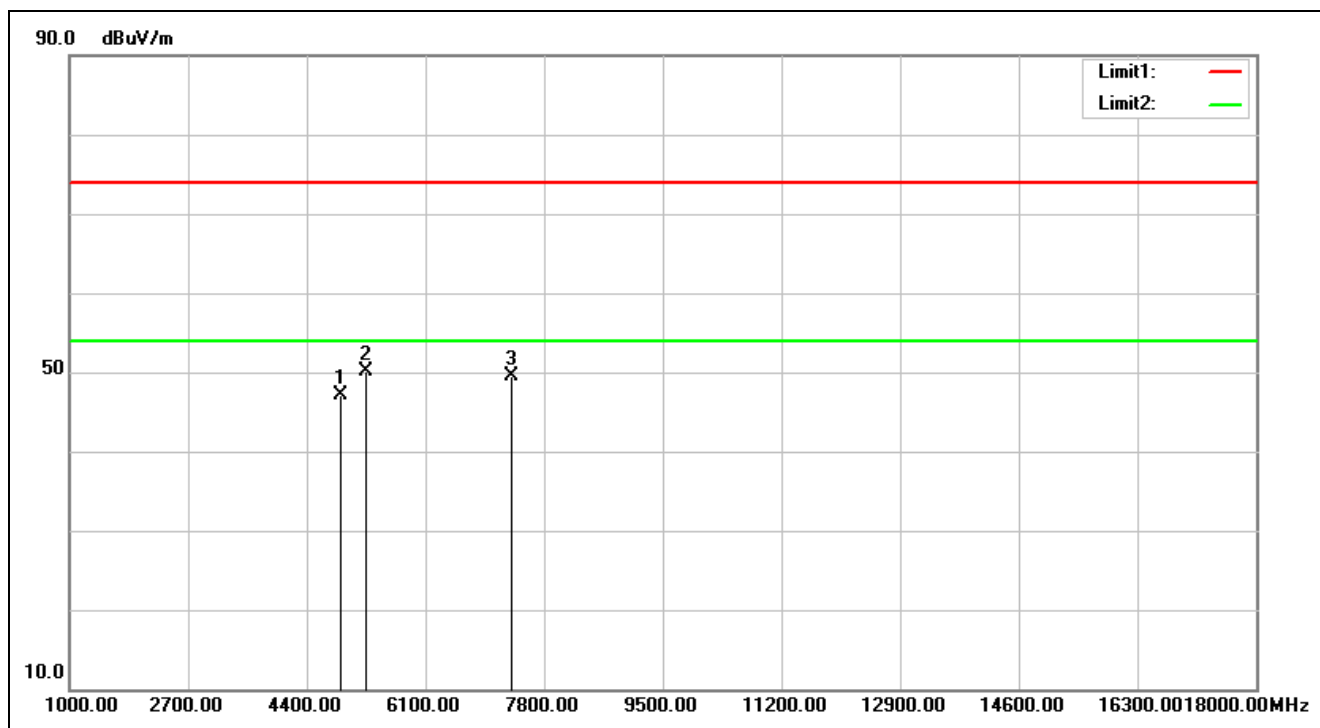
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/2/26 11:17:12
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	Sam Su
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.28	53.72	51.44	74.00	-22.56	peak	100	337	
2	4804.000	-2.28	46.40	44.12	54.00	-9.88	AVG	100	337	
3	5352.000	0.06	49.74	49.80	74.00	-24.20	peak	100	163	
4	7206.000	5.77	44.39	50.16	74.00	-23.84	peak		0	



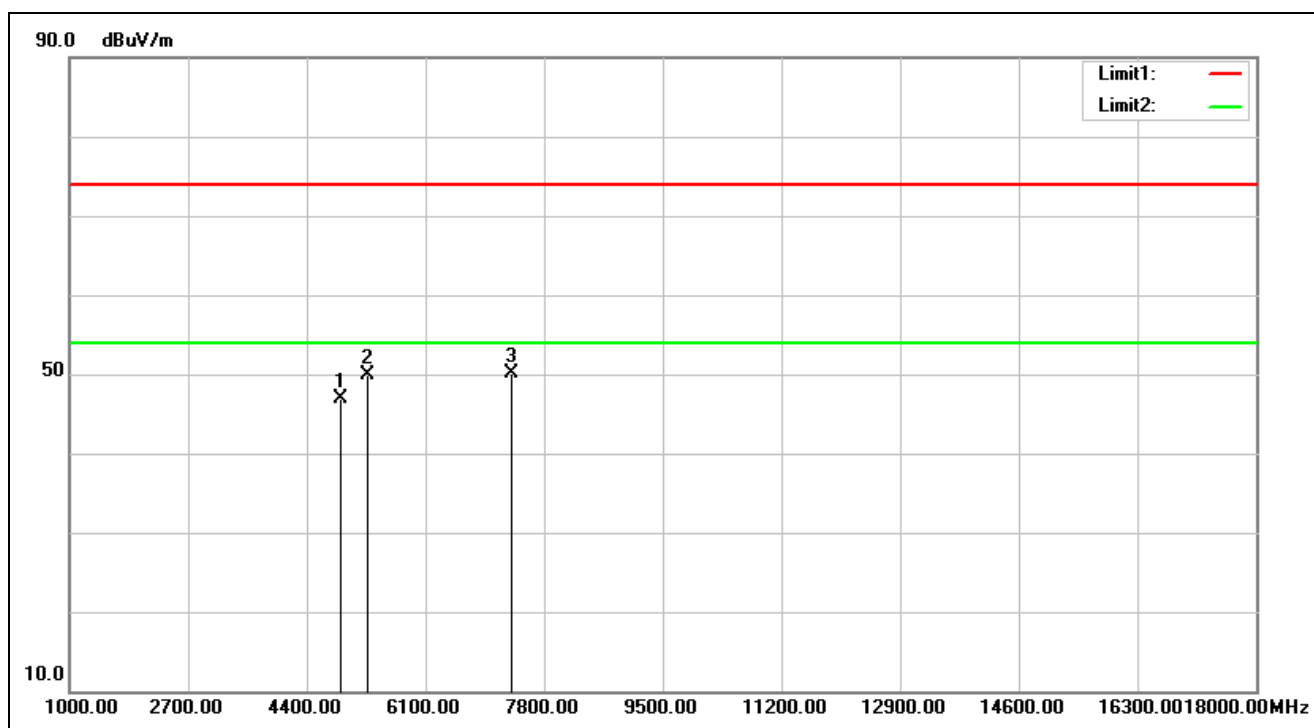
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/2/26 11:21:49
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	Sam Su
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.28	51.02	48.74	74.00	-25.26	peak			
2	5267.000	-0.39	50.16	49.77	74.00	-24.23	peak	100	141	
3	7206.000	5.77	45.58	51.35	74.00	-22.65	peak			
4	7206.000	5.77	32.29	38.06	54.00	-15.94	AVG	100	113	



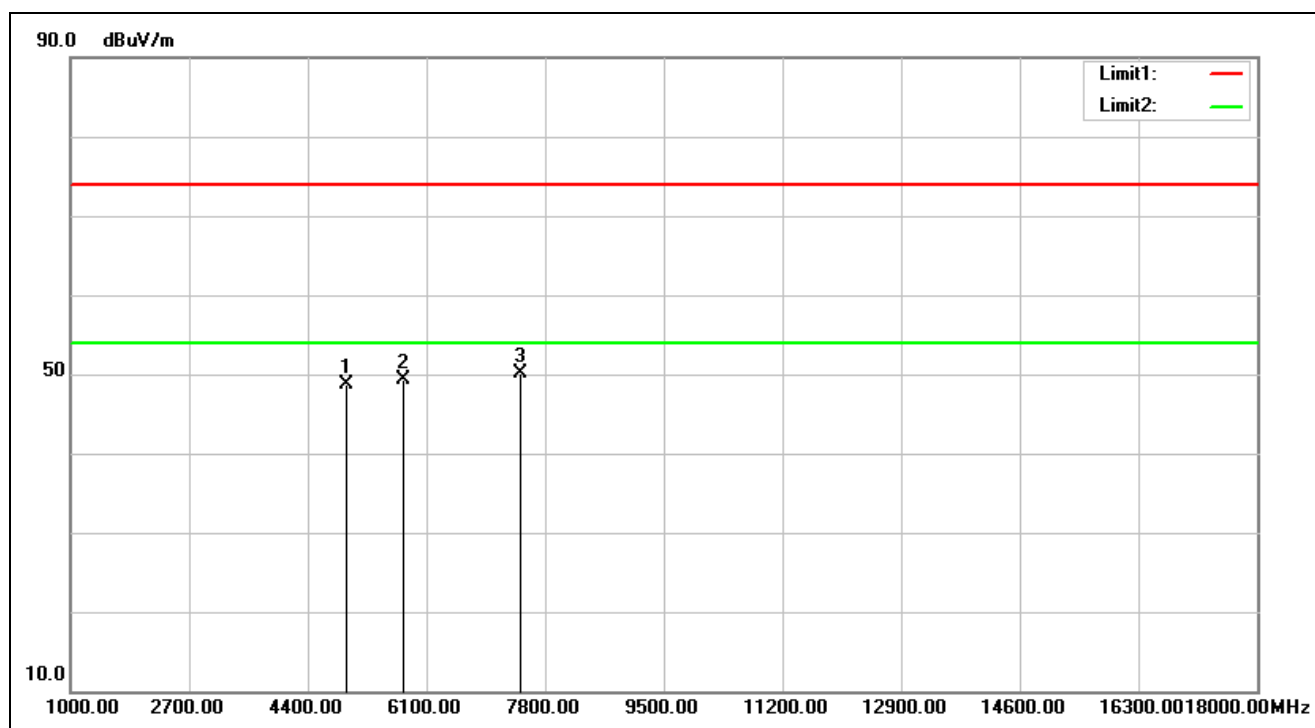
Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/2/26 11:27:04
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%)	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	Sam Su
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.10	49.19	47.09	74.00	-26.91	peak			
2	5250.000	-0.49	50.58	50.09	74.00	-23.91	peak	100	189	
3	7323.000	6.11	43.48	49.59	74.00	-24.41	peak			



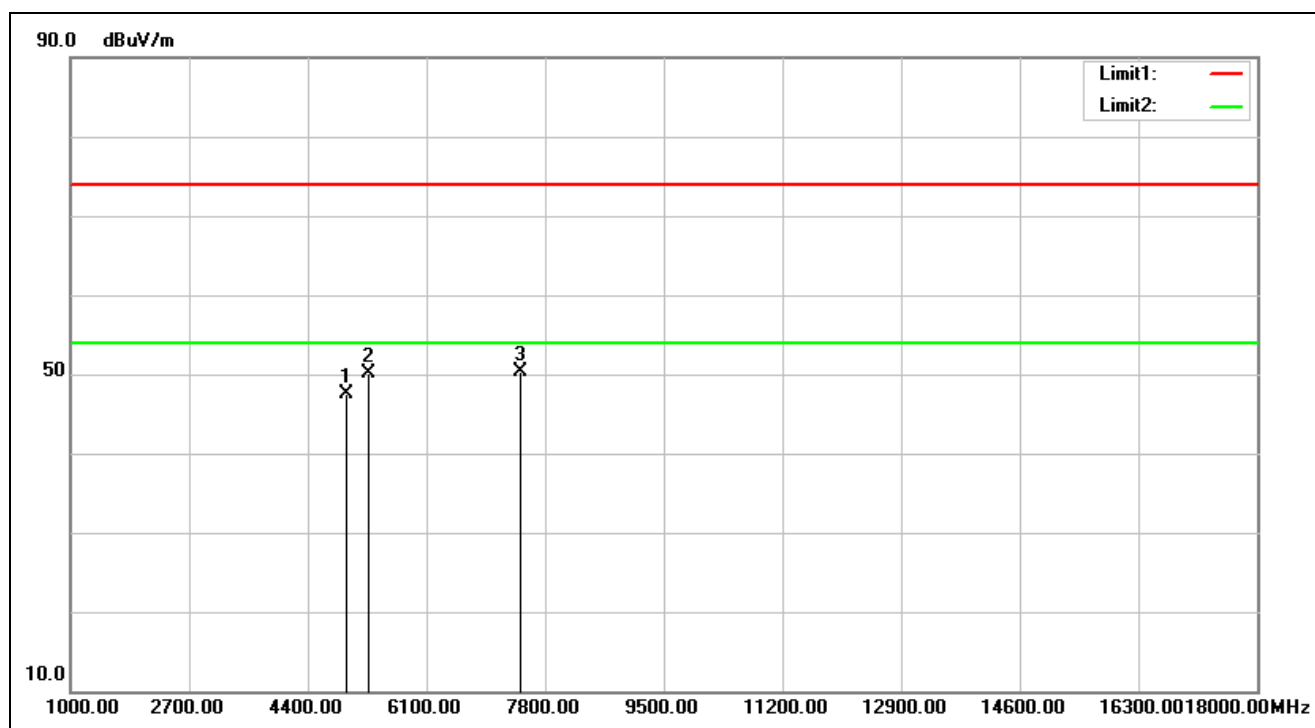
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/2/26 11:28:06
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	Sam Su
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.10	49.07	46.97	74.00	-27.03	peak			
2	5267.000	-0.39	50.28	49.89	74.00	-24.11	peak	100	251	
3	7323.000	6.11	44.08	50.19	74.00	-23.81	peak			



Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/2/26 11:31:10
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	Sam Su
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.91	50.68	48.77	74.00	-25.23	peak			
2	5777.000	2.67	46.71	49.38	74.00	-24.62	peak	100	236	
3	7440.000	6.44	43.69	50.13	74.00	-23.87	peak			



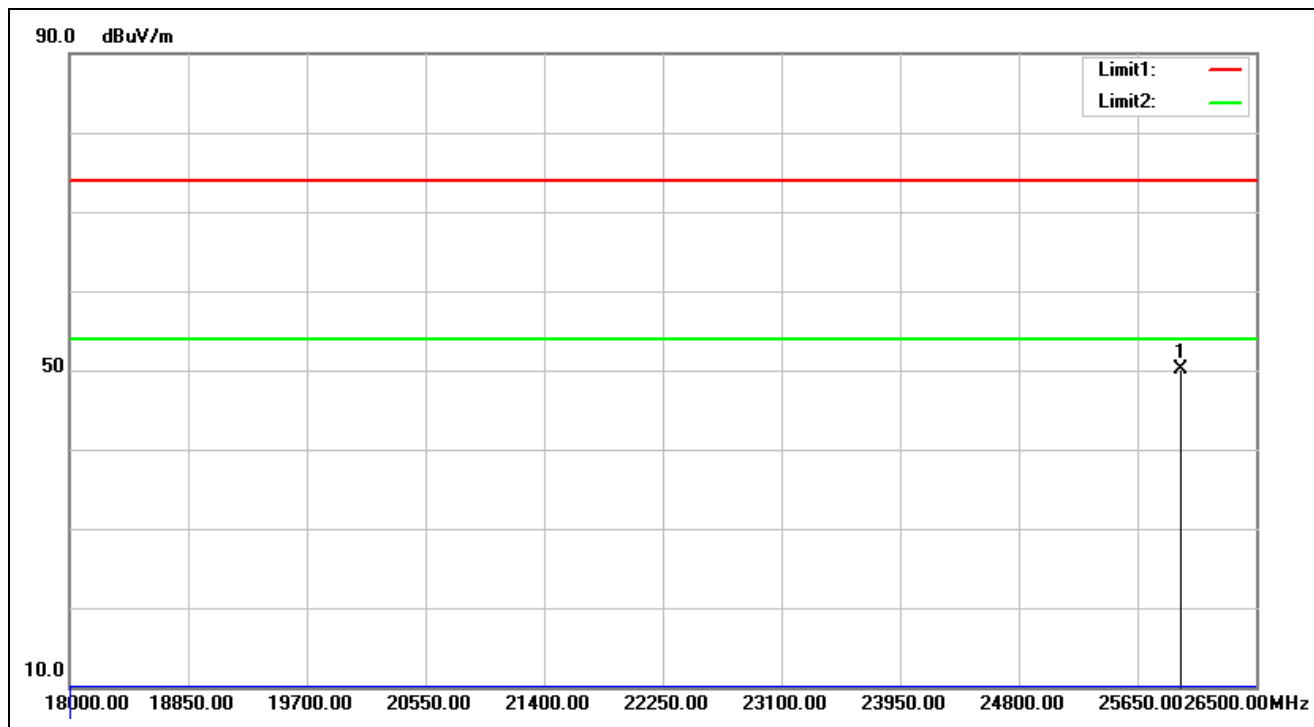
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/2/26 11:32:12
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	Sam Su
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.91	49.36	47.45	74.00	-26.55	peak			
2	5267.000	-0.39	50.53	50.14	74.00	-23.86	peak	100	282	
3	7440.000	6.44	43.84	50.28	74.00	-23.72	peak			

Spurious Emissions, TX Mode, 18-26G

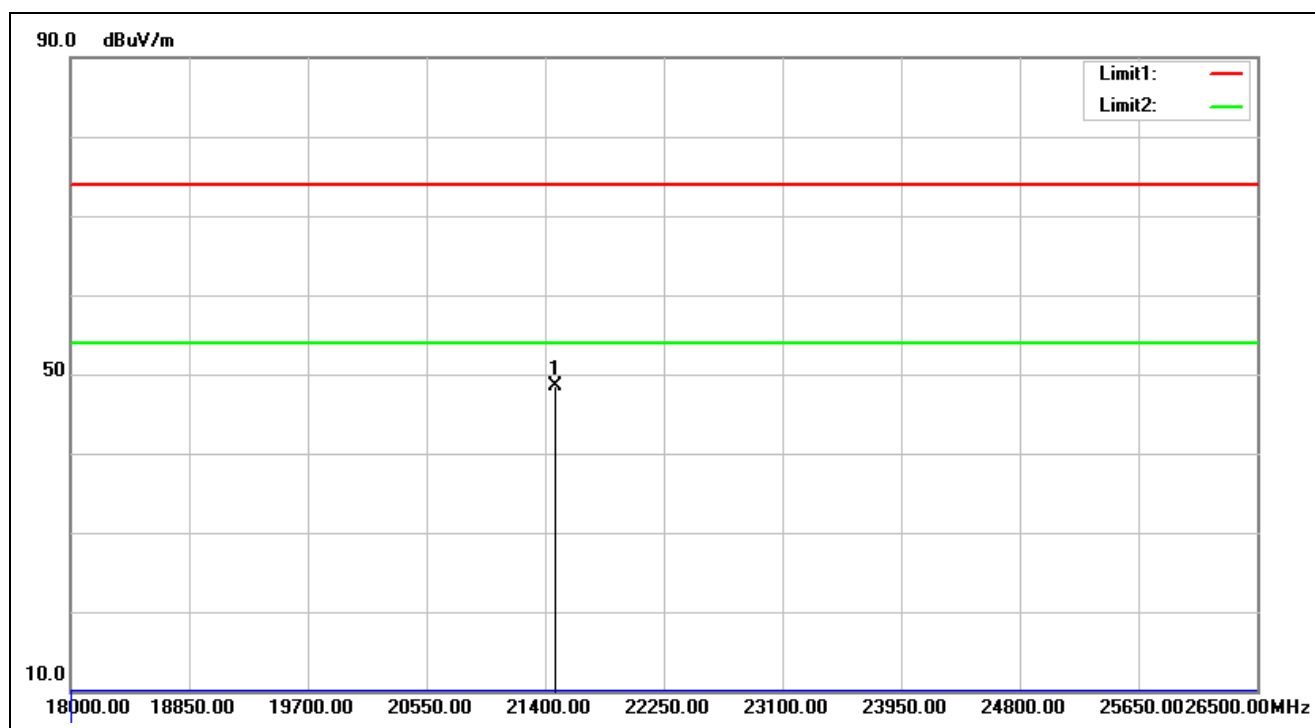


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 Tel:+886-2172-7000 fax:+886-2528-0018



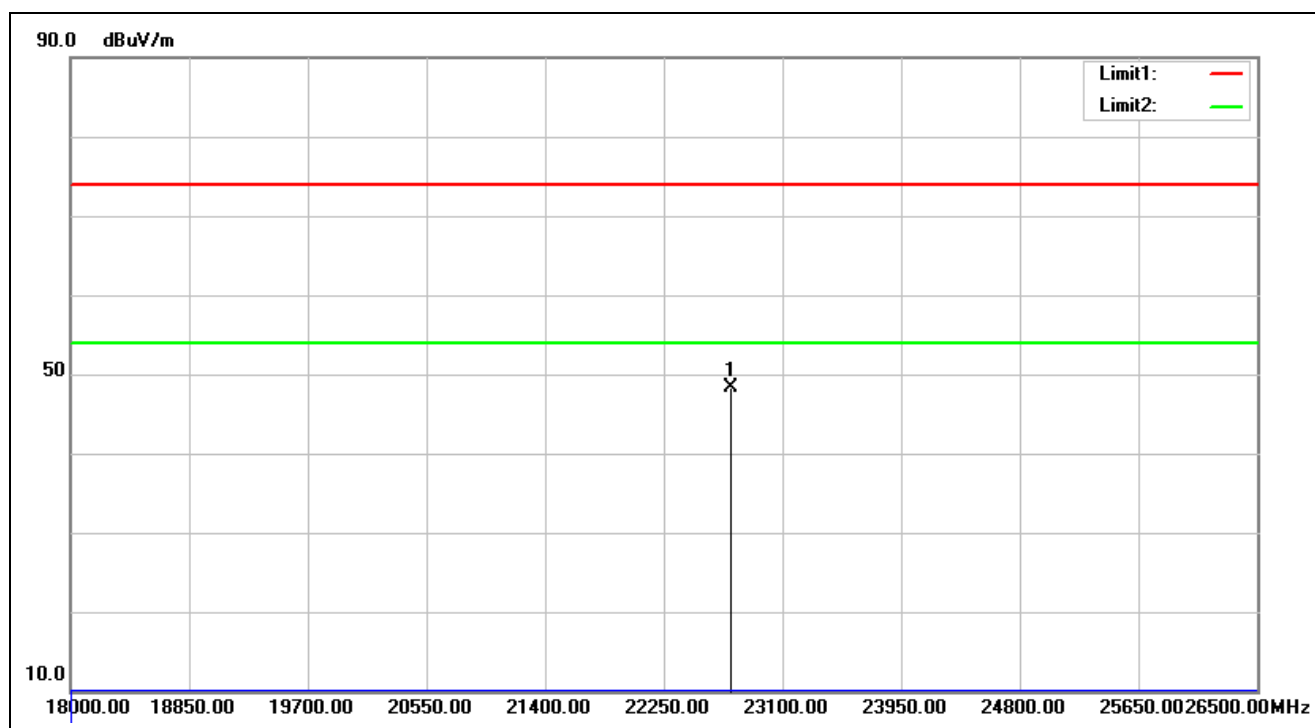
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Test item:	Radiation Emission	Test Time:	2016/3/1 15:37:43
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25964.500	32.42	17.78	50.20	74.00	-23.80	peak			



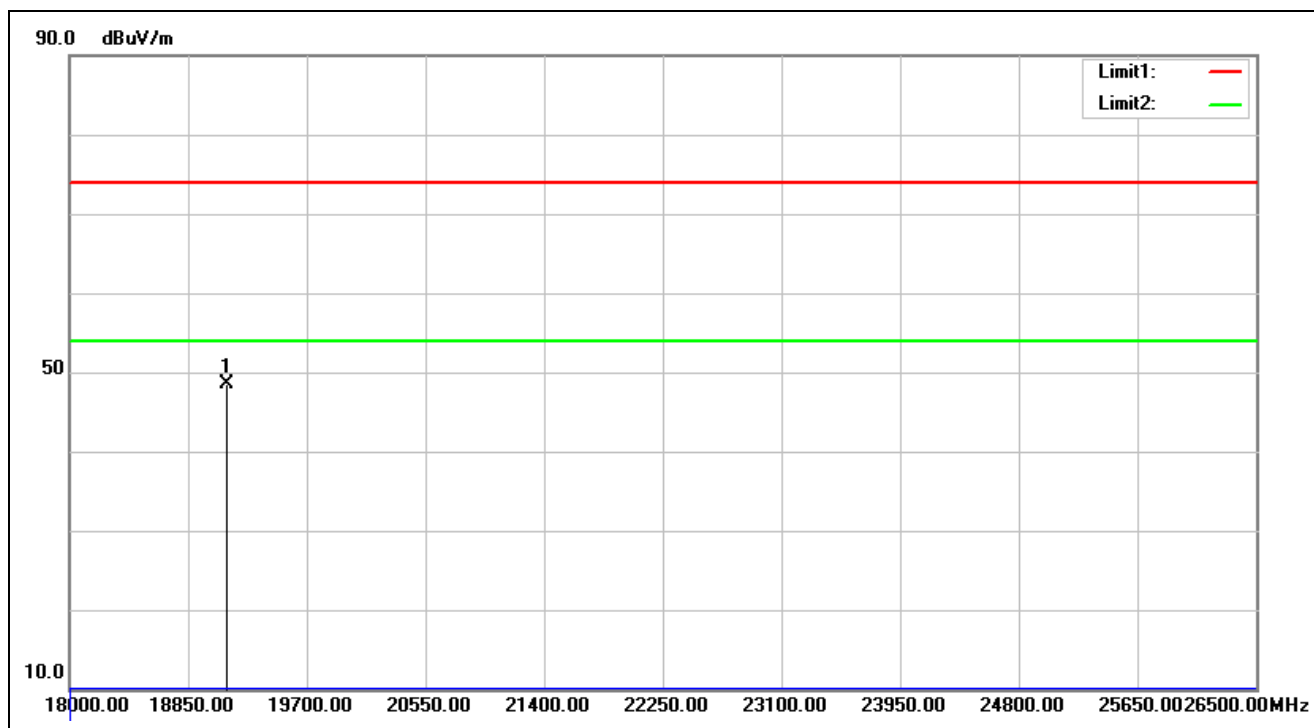
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/3/1 15:37:09
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21468.000	29.52	19.03	48.55	74.00	-25.45	peak		0	



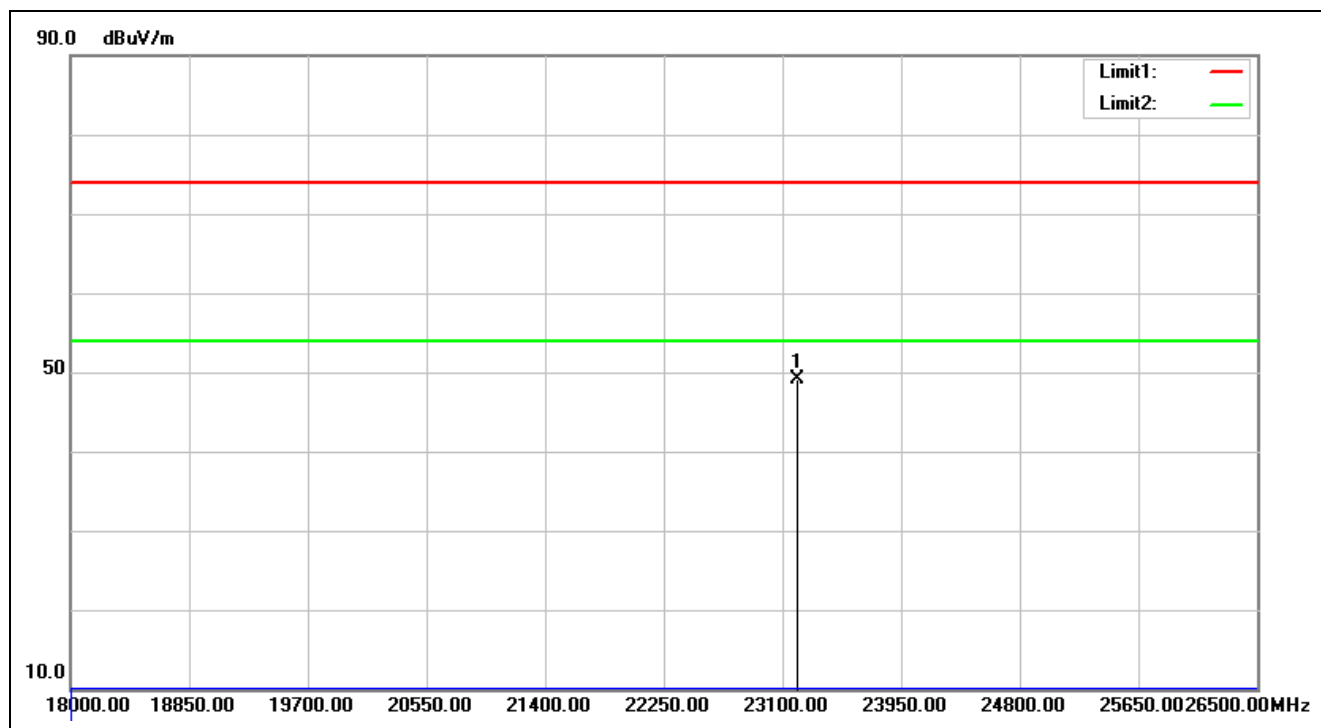
Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/3/1 15:38:00
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22734.500	30.09	18.19	48.28	74.00	-25.72	peak			



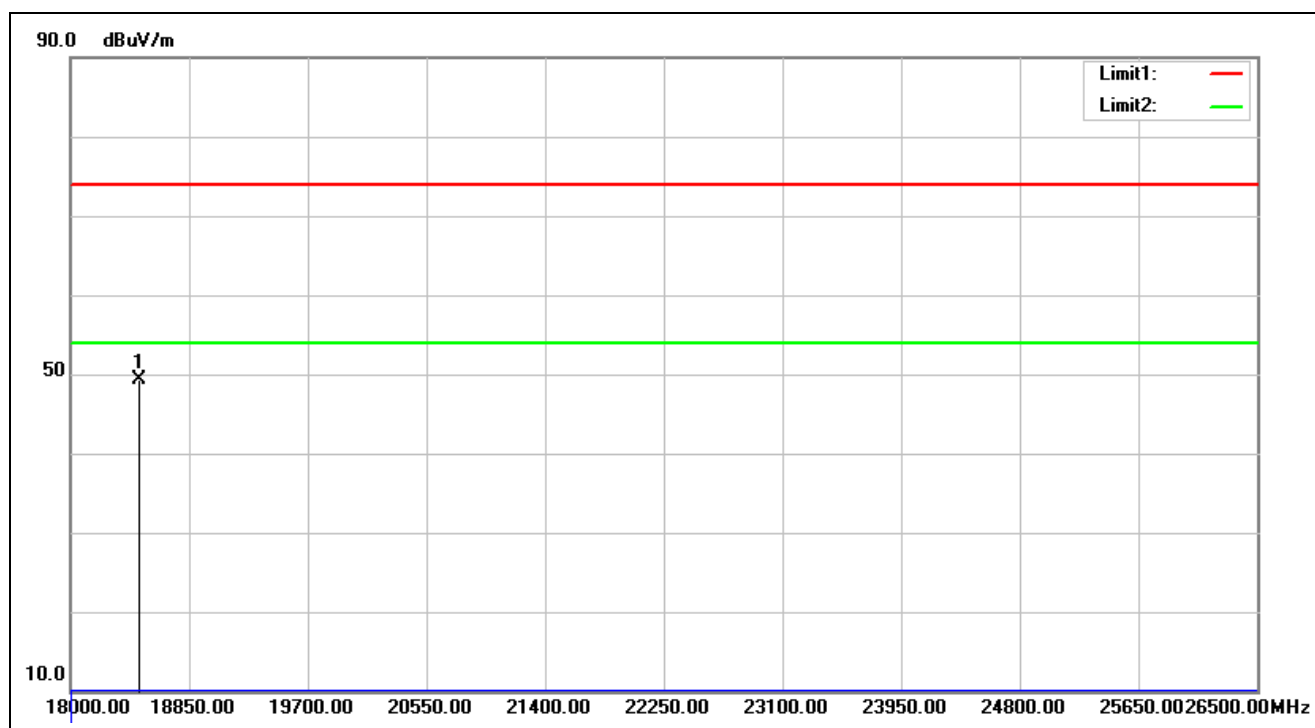
Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/3/1 15:38:12
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19122.000	29.47	19.10	48.57	74.00	-25.43	peak			



Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/3/1 15:38:33
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23210.500	30.29	18.75	49.04	74.00	-24.96	peak			



Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/3/1 15:38:42
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	19.2(°C)/61%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18493.000	28.91	20.31	49.22	74.00	-24.78	peak			

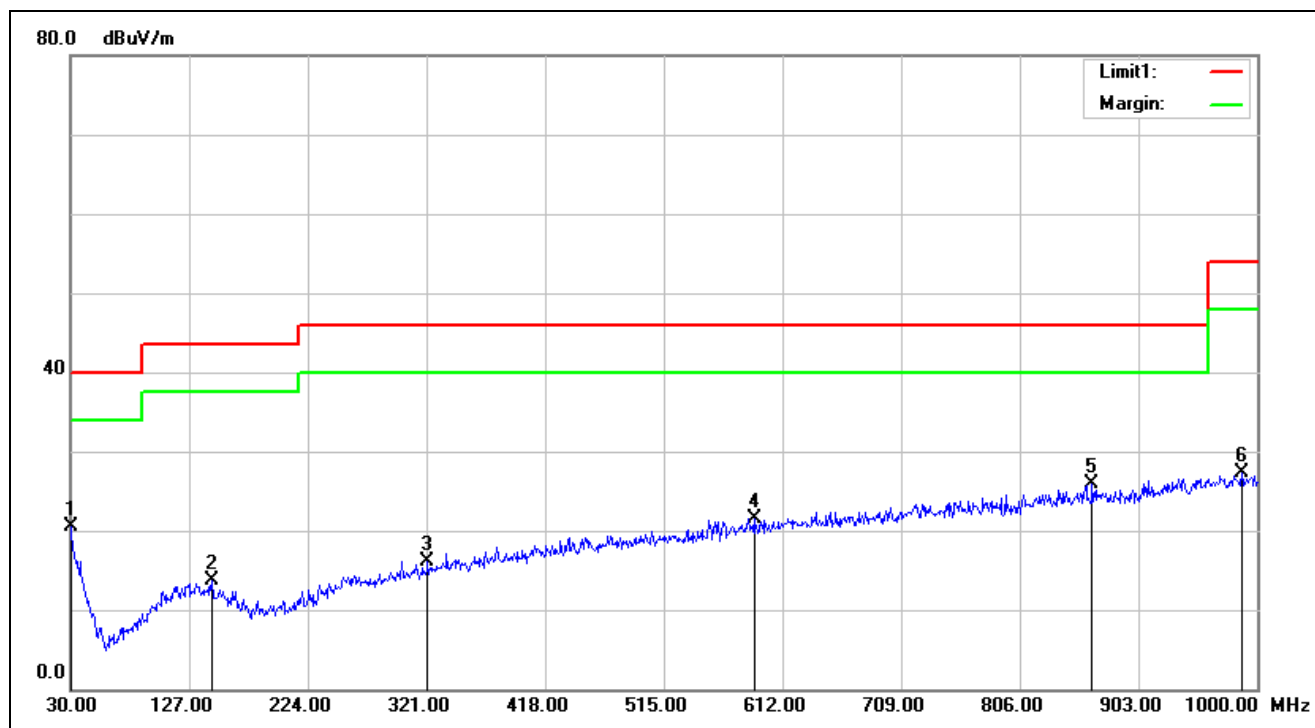
Spurious Emissions, TX Mode, 30M-1G



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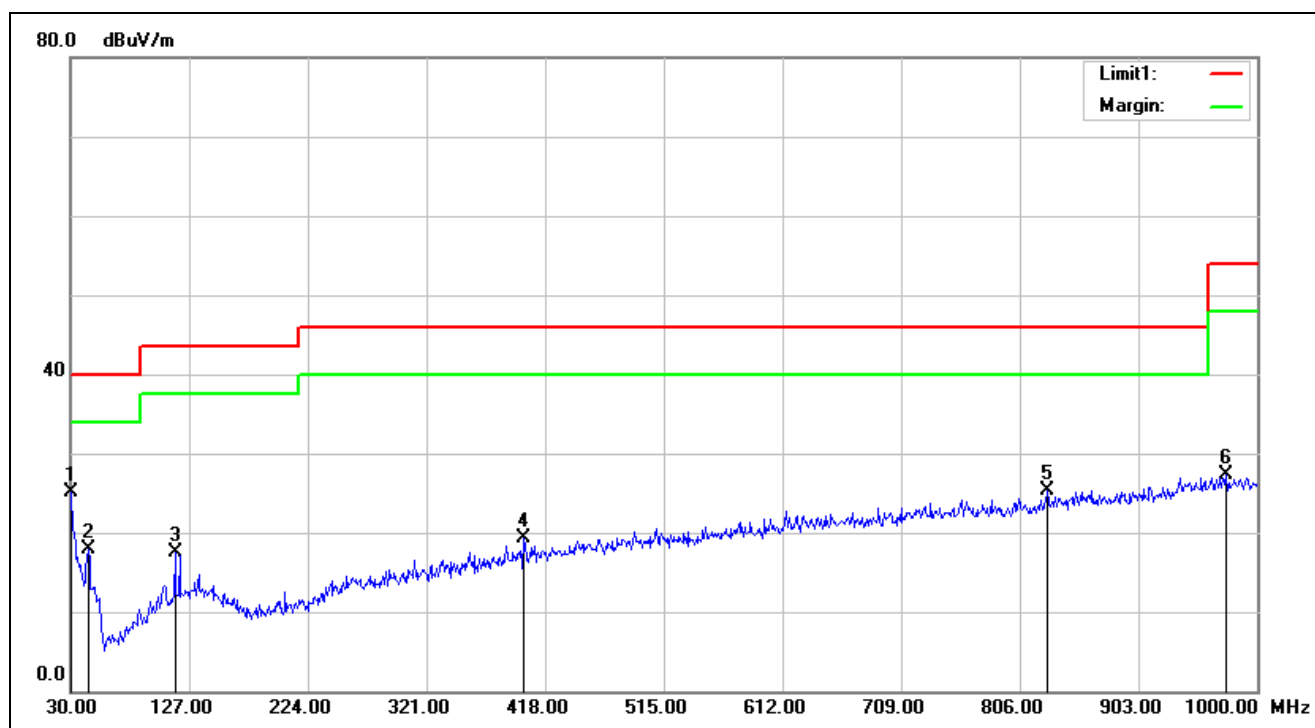
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Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/1/26 20:38:48
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%)	17.5(°C)/63%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.85	26.35	20.50	40.00	-19.50	QP	100	1	
2	145.4300	-13.00	26.61	13.61	43.50	-29.89	QP	100	259	
3	321.9700	-10.00	26.11	16.11	46.00	-29.89	QP	100	230	
4	588.7200	-6.22	27.80	21.58	46.00	-24.42	QP	100	190	
5	865.1700	-2.31	28.23	25.92	46.00	-20.08	QP	100	75	
6	987.3900	-0.13	27.36	27.23	54.00	-26.77	QP	100	334	



Service No.:	114045321-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/1/26 20:39:51
Applicant:	Precaster	Test Rating:	DC 2.4V
Product:	Laser Distance Meter	Temp.(°C)/Hum.(%):	17.5(°C)/63%
Model No.:	HT60	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-6.39	31.45	25.06	40.00	-14.94	QP	100	149	
2	44.5500	-14.00	31.98	17.98	40.00	-22.02	QP	100	317	
3	115.3600	-13.27	30.81	17.54	43.50	-25.96	QP	100	271	
4	400.5400	-8.67	28.01	19.34	46.00	-26.66	QP	100	42	
5	828.3100	-2.97	28.28	25.31	46.00	-20.69	QP	100	159	
6	974.7800	-0.26	27.66	27.40	54.00	-26.60	QP	100	327	