

Test Report No.50104142 001

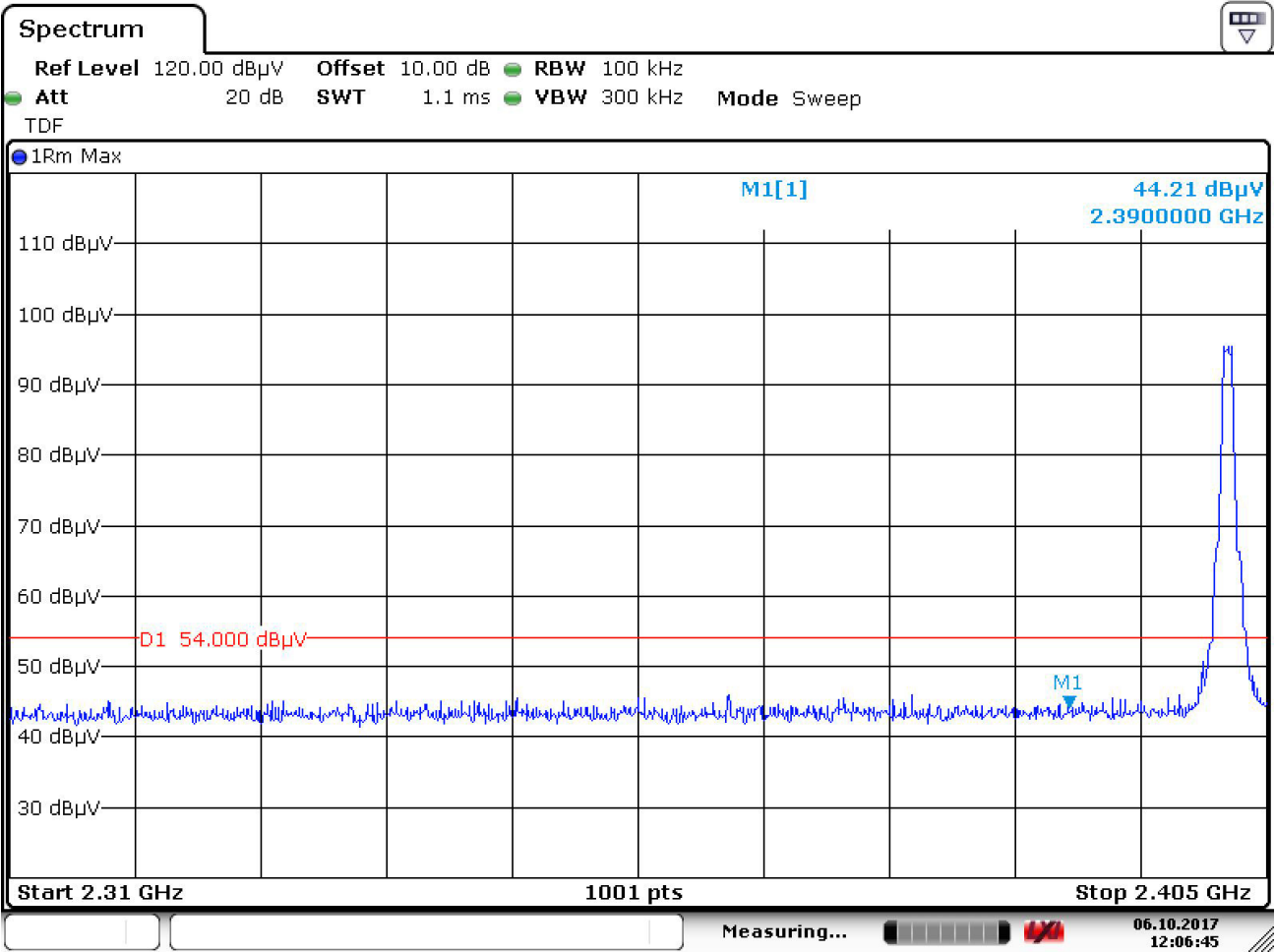
Appendix D: Radiated and Mains Spurious Emission Data

(File: 50104142AppendixD)

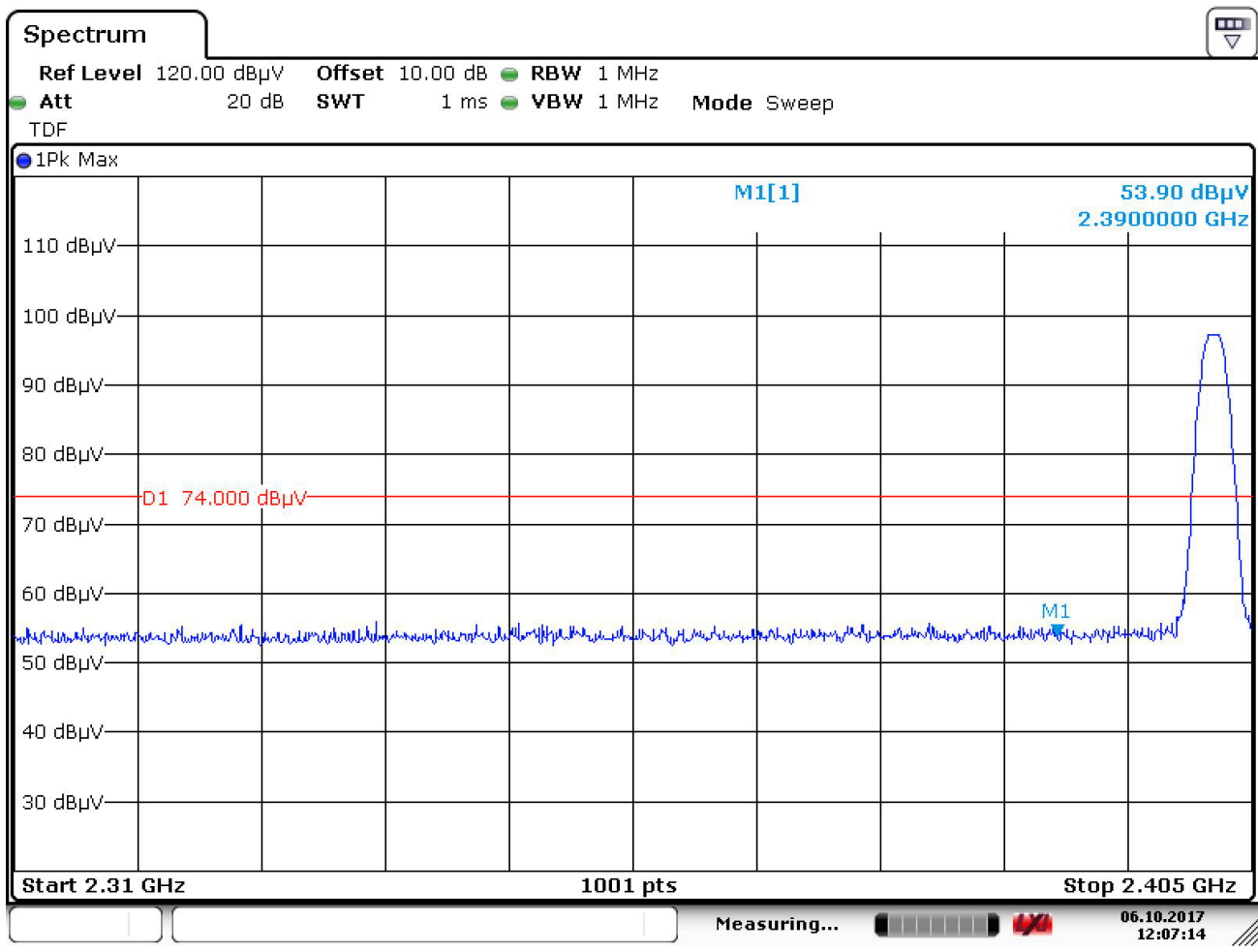
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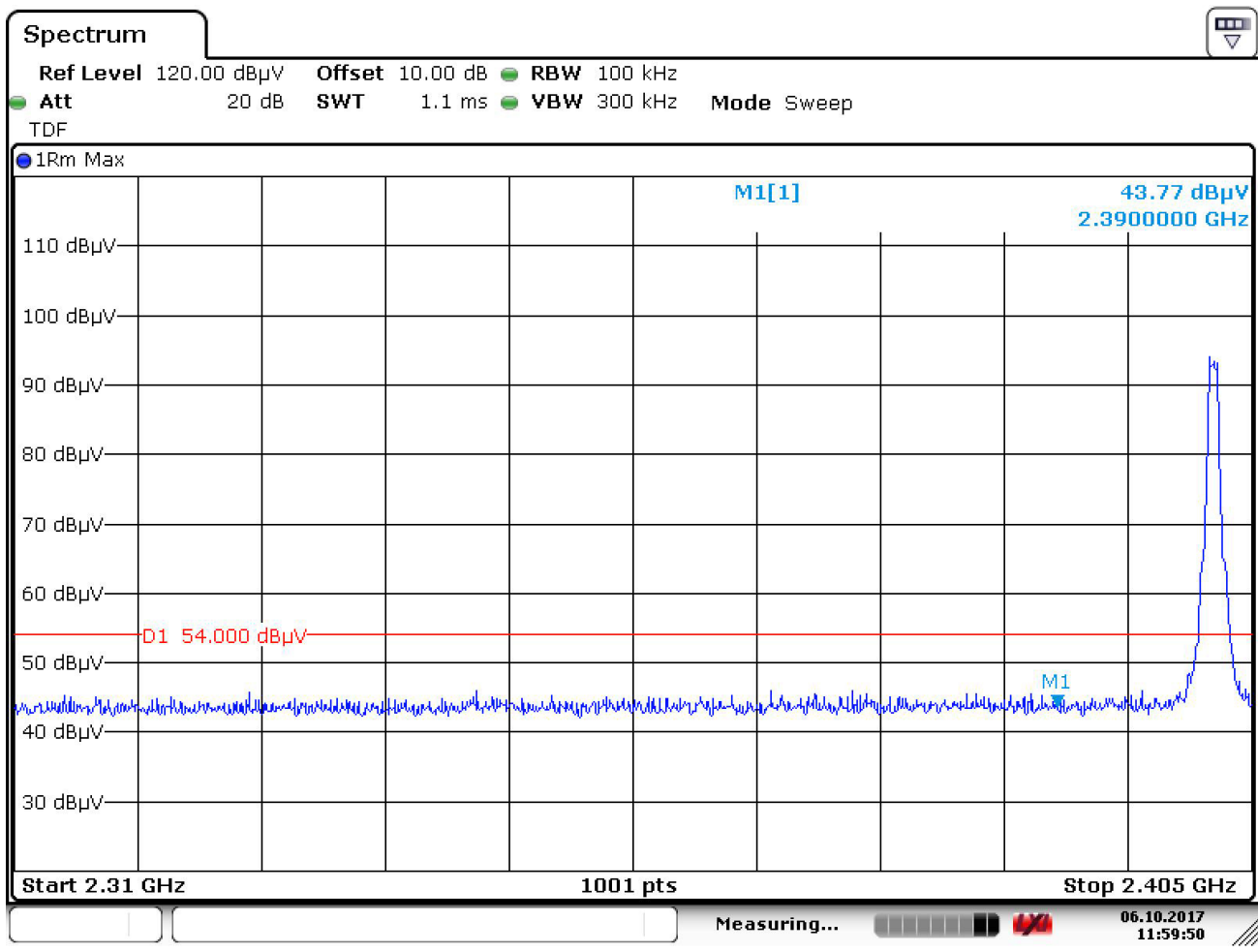
Spurious Emissions, Band Edges, 2.35-2.5G



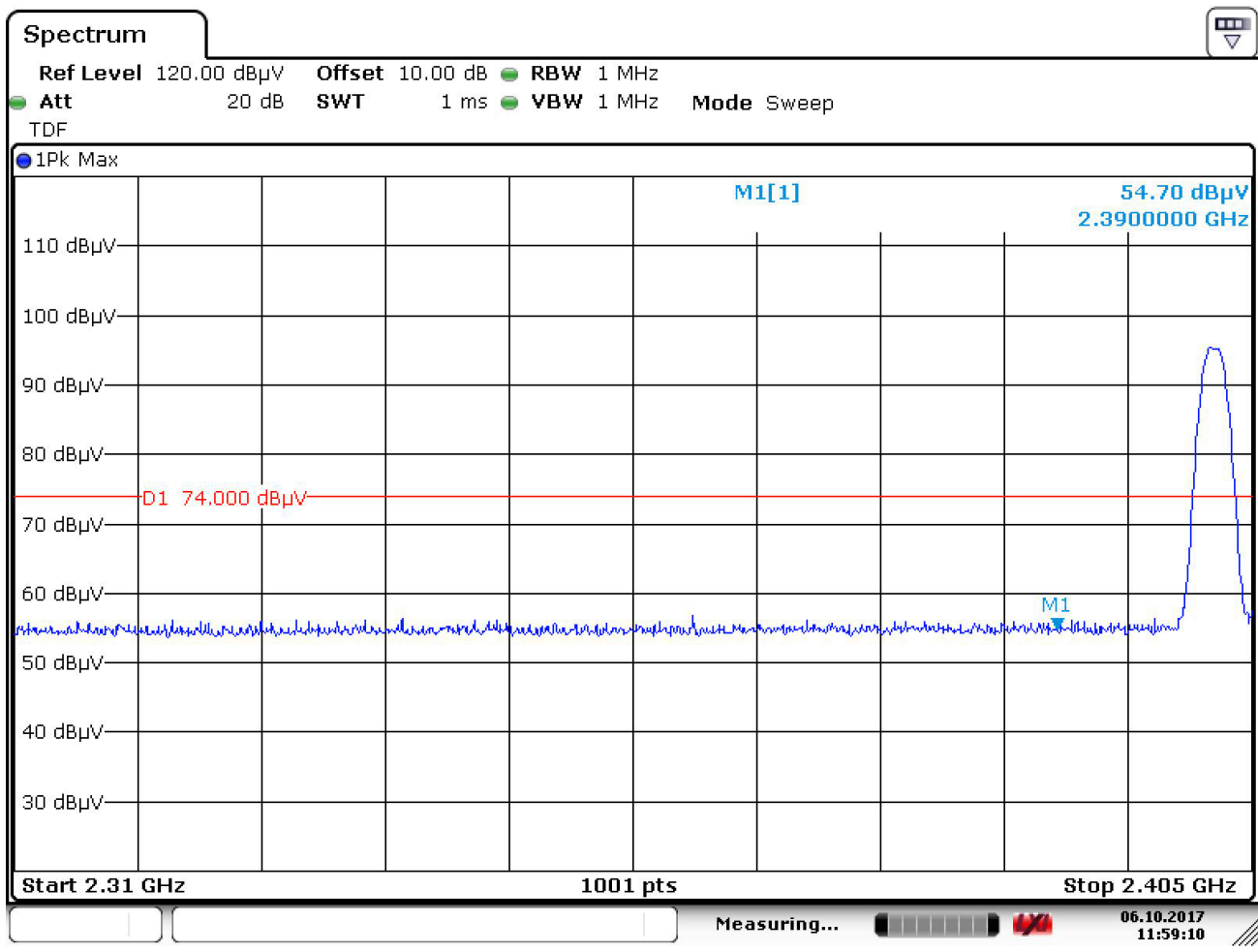
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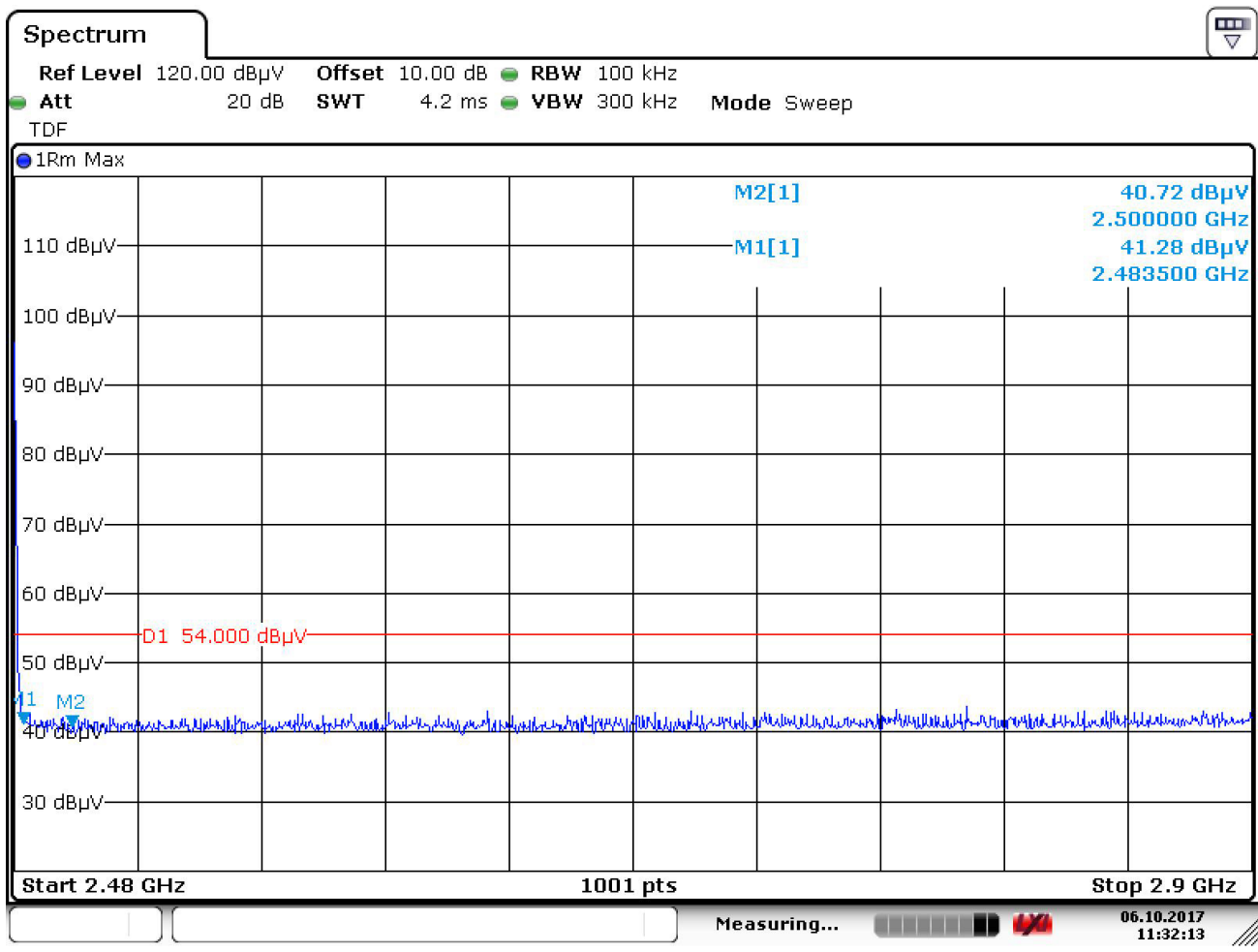
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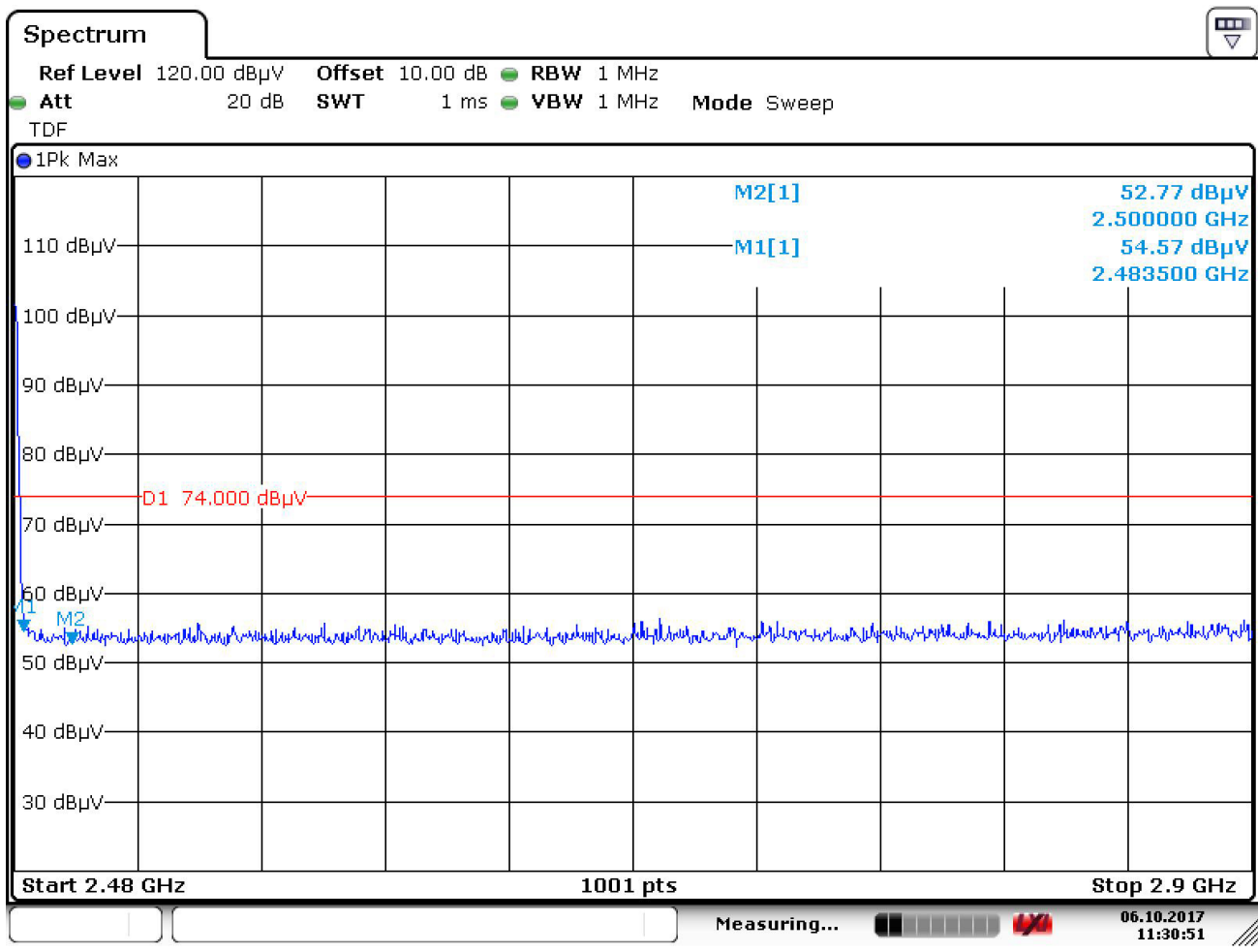
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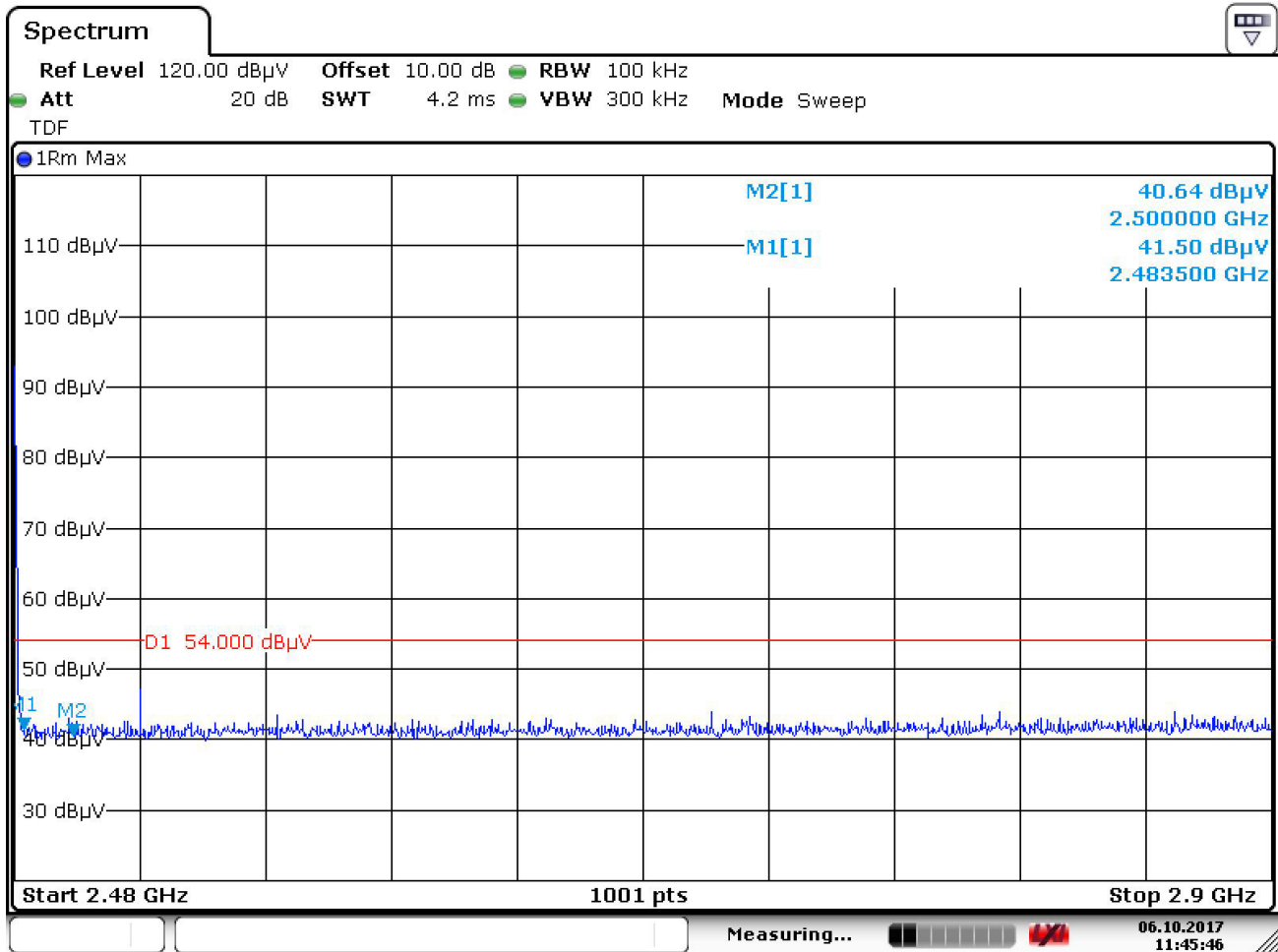
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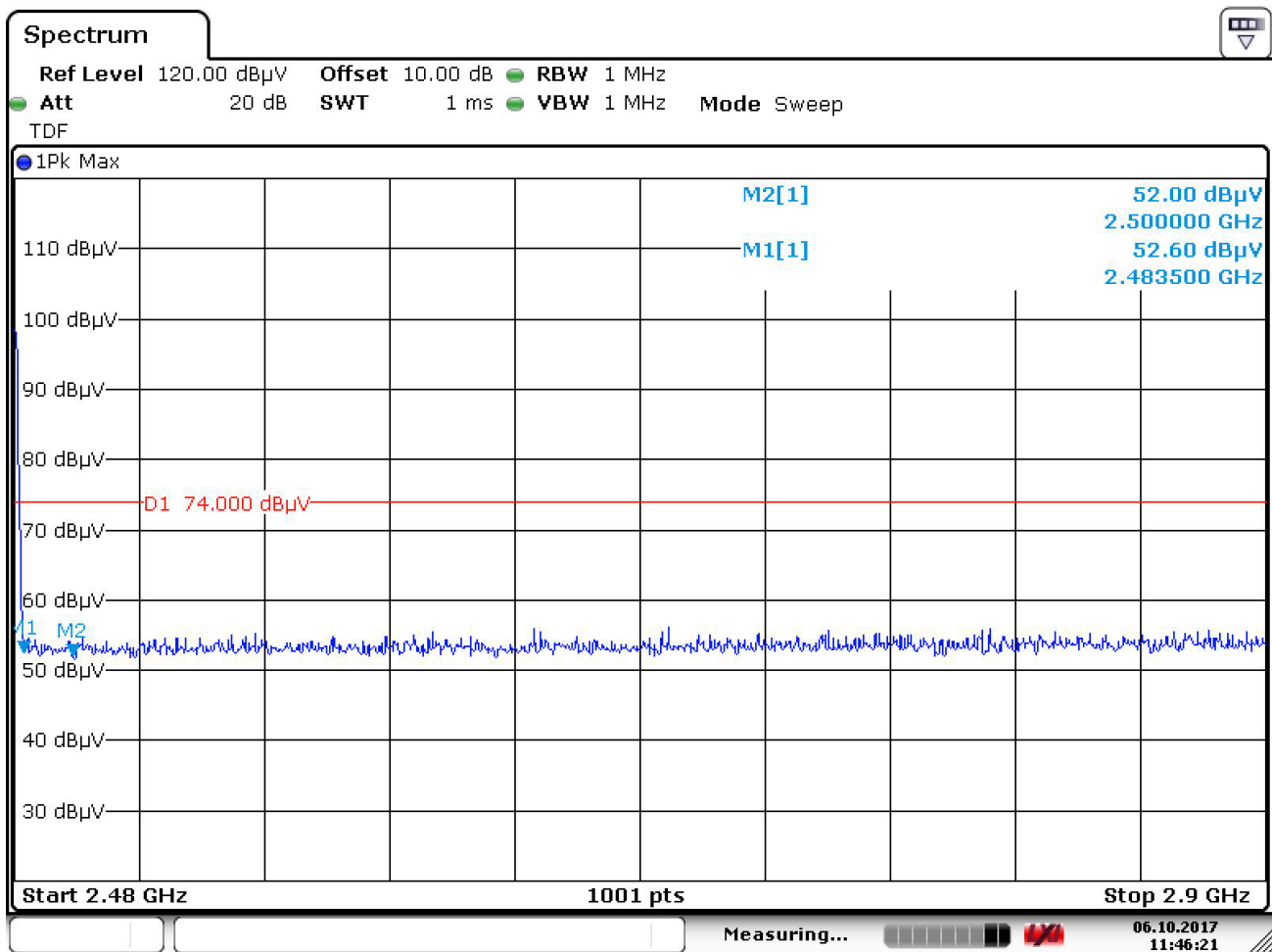
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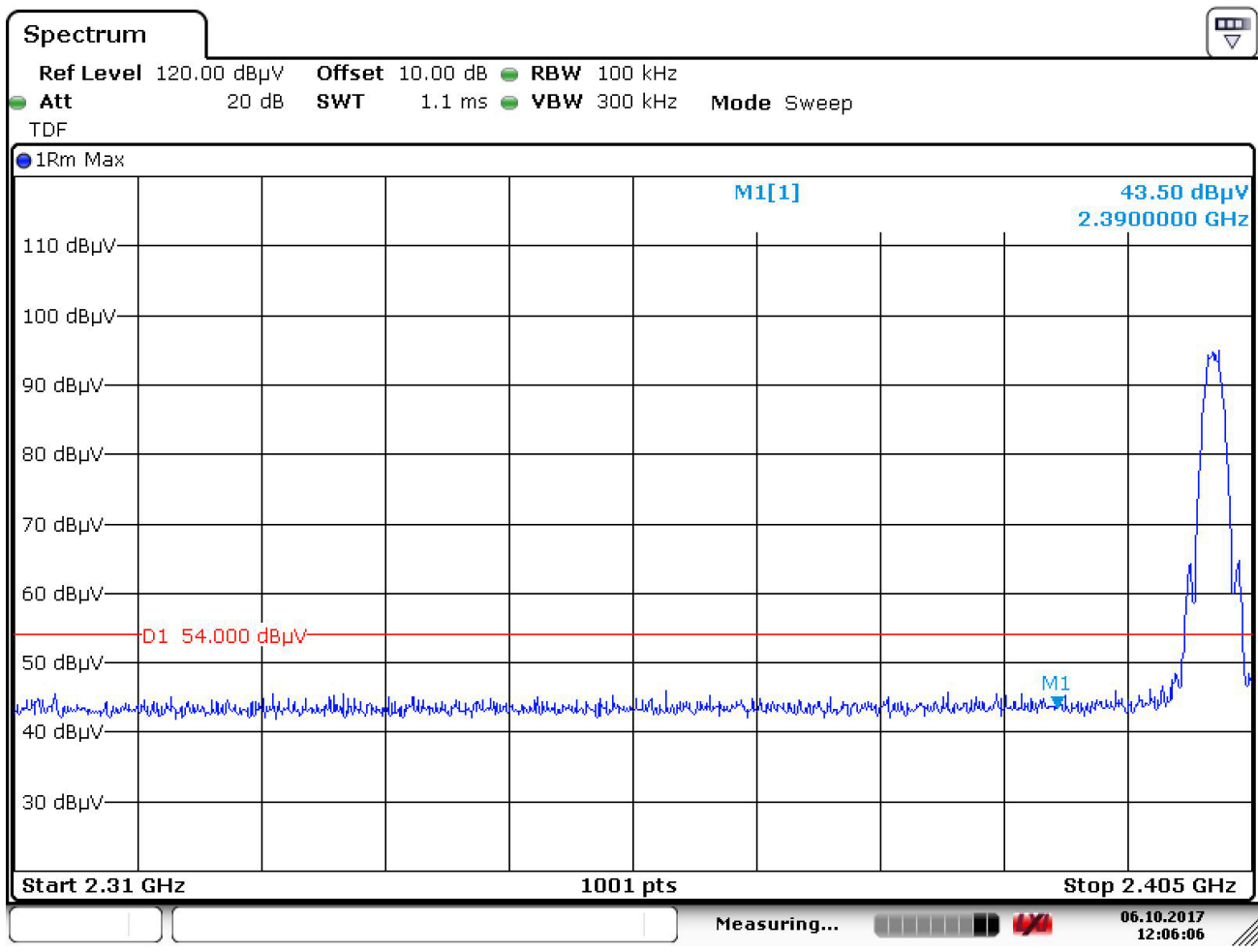
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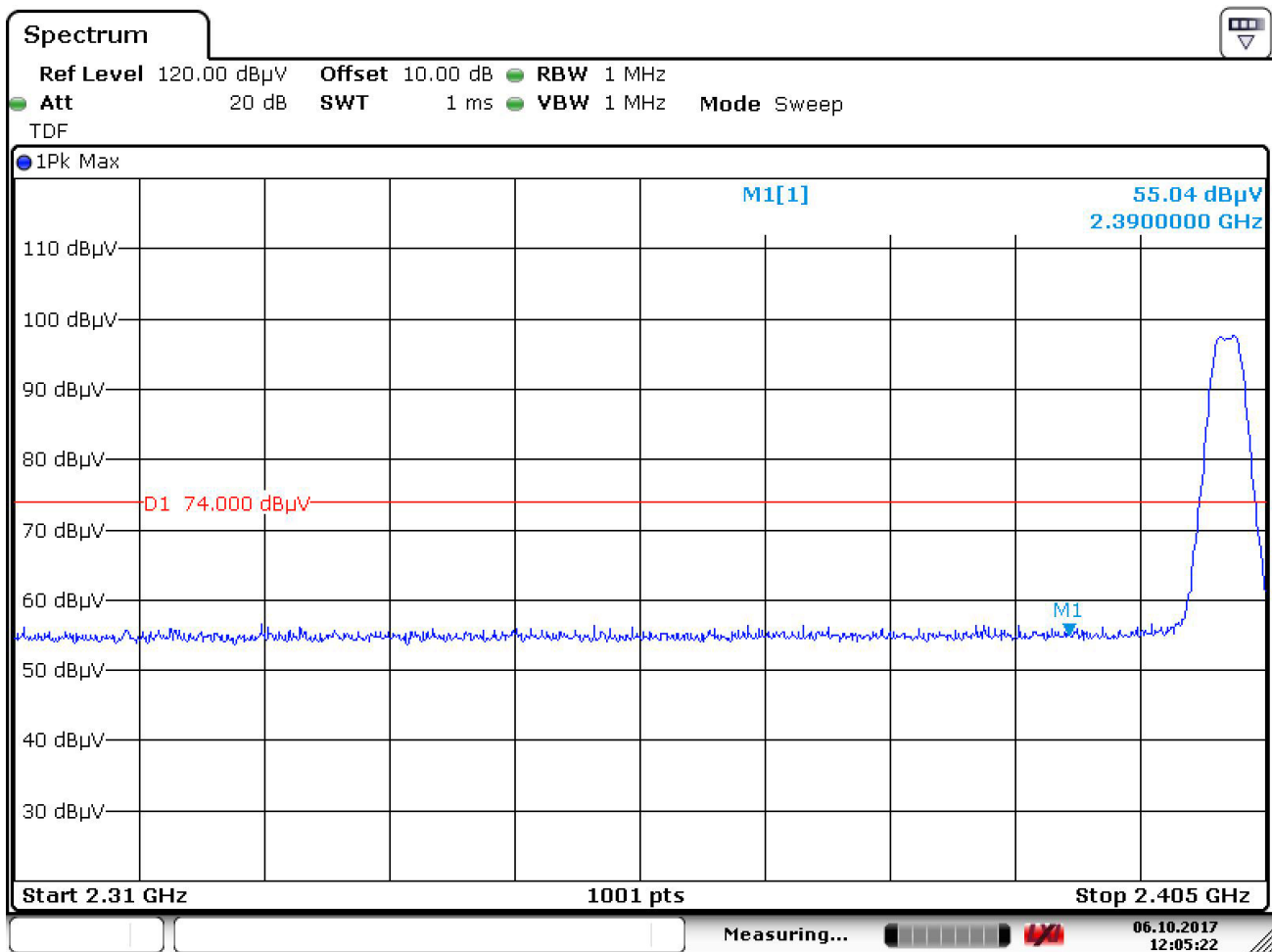
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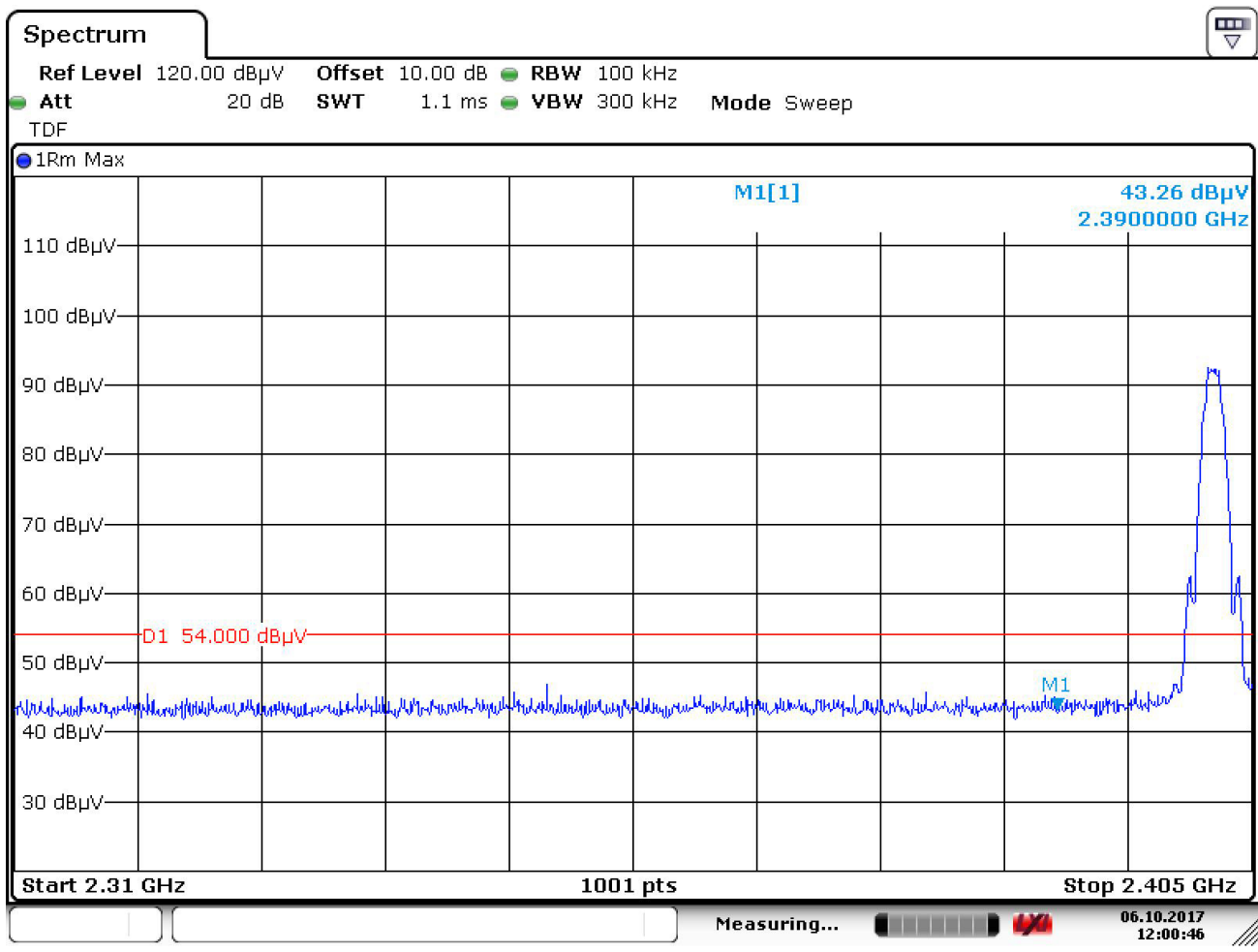
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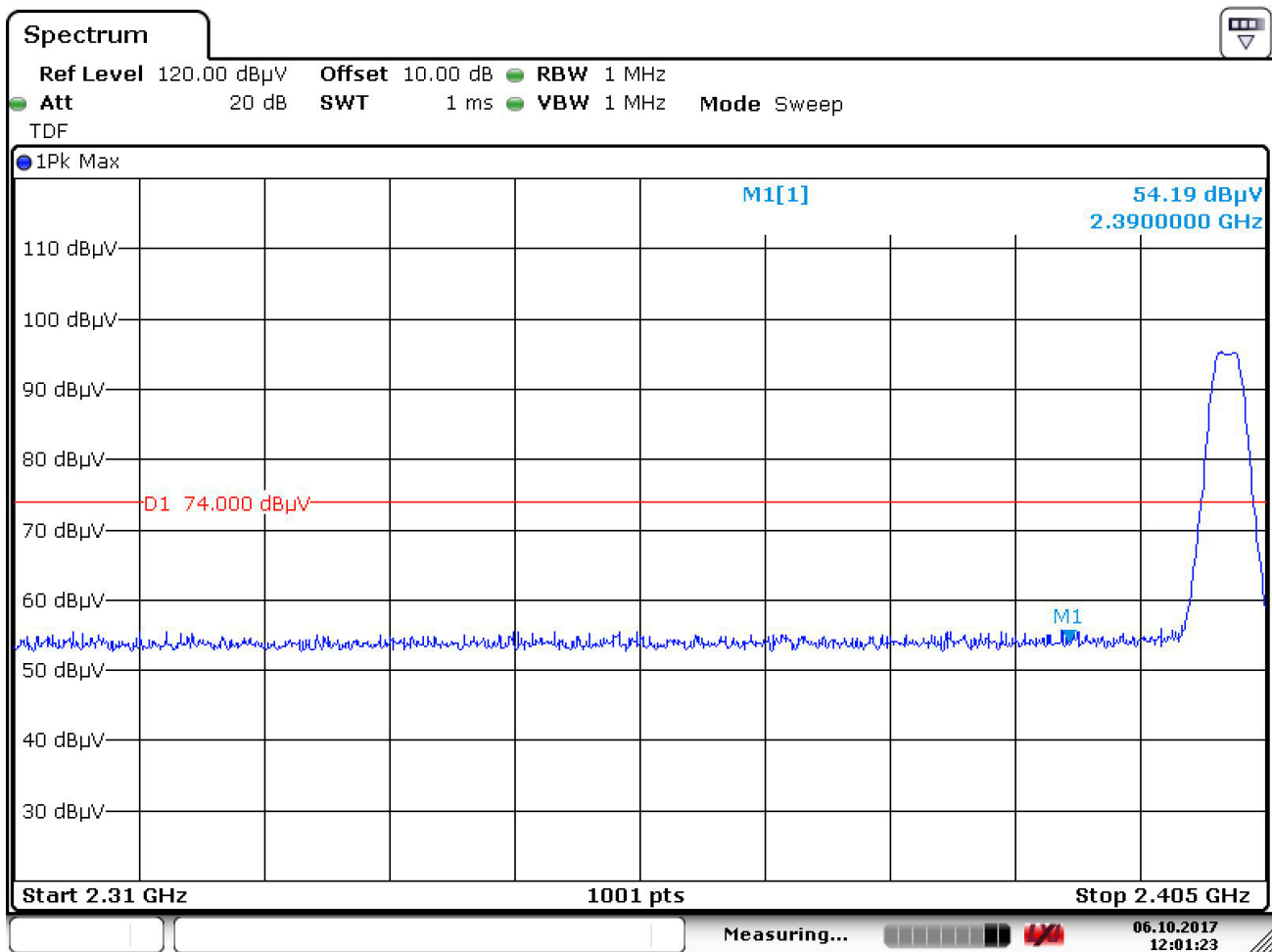
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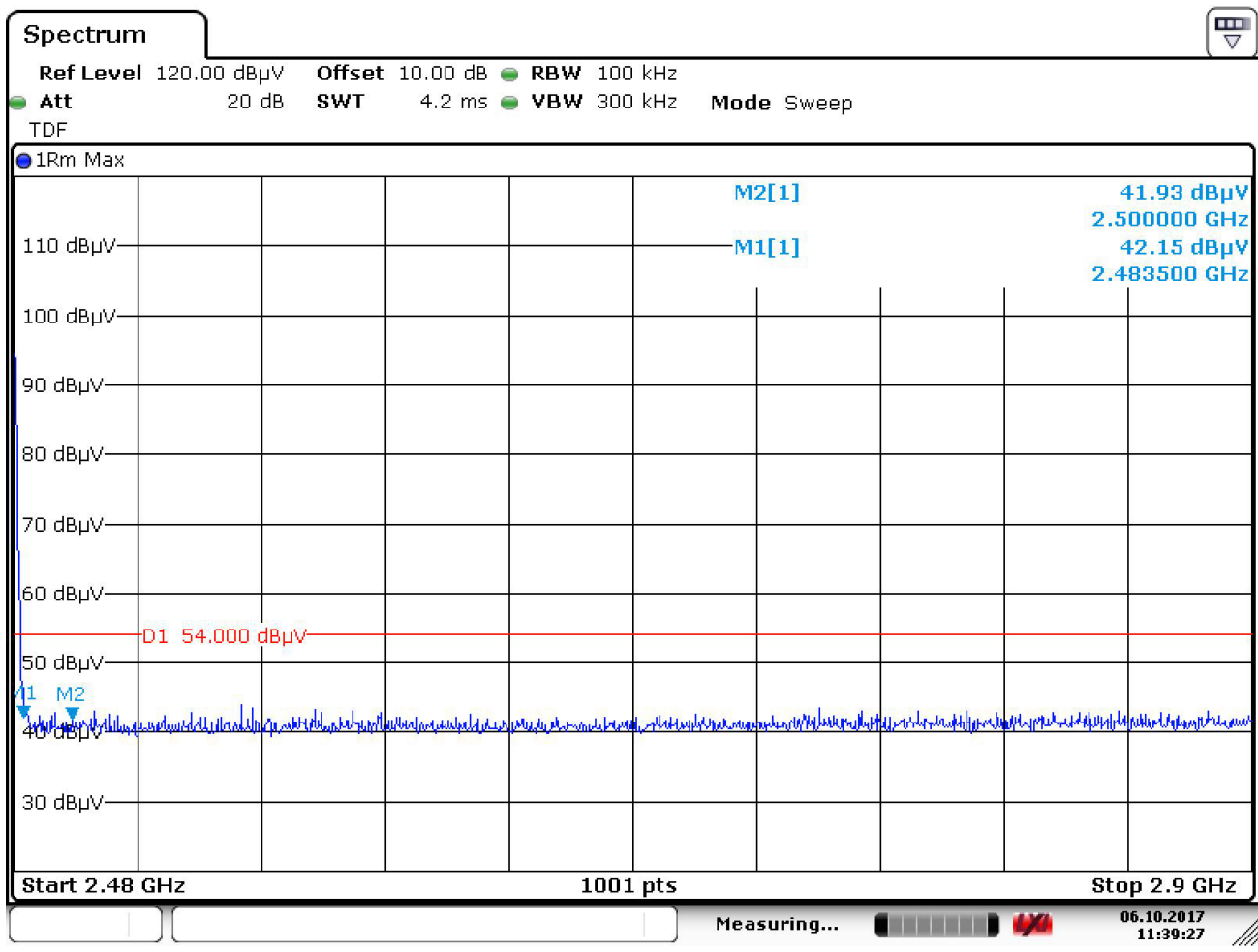
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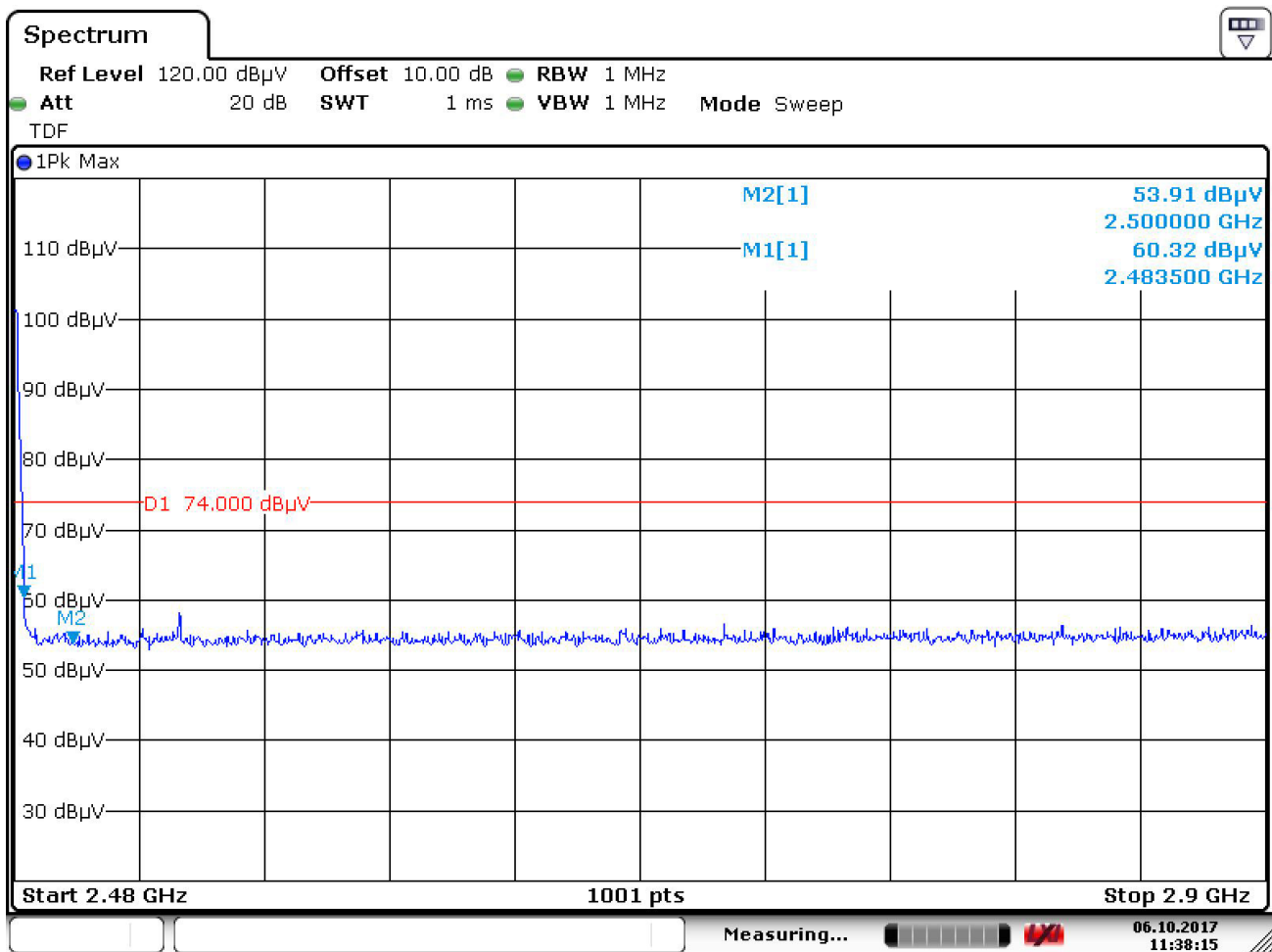
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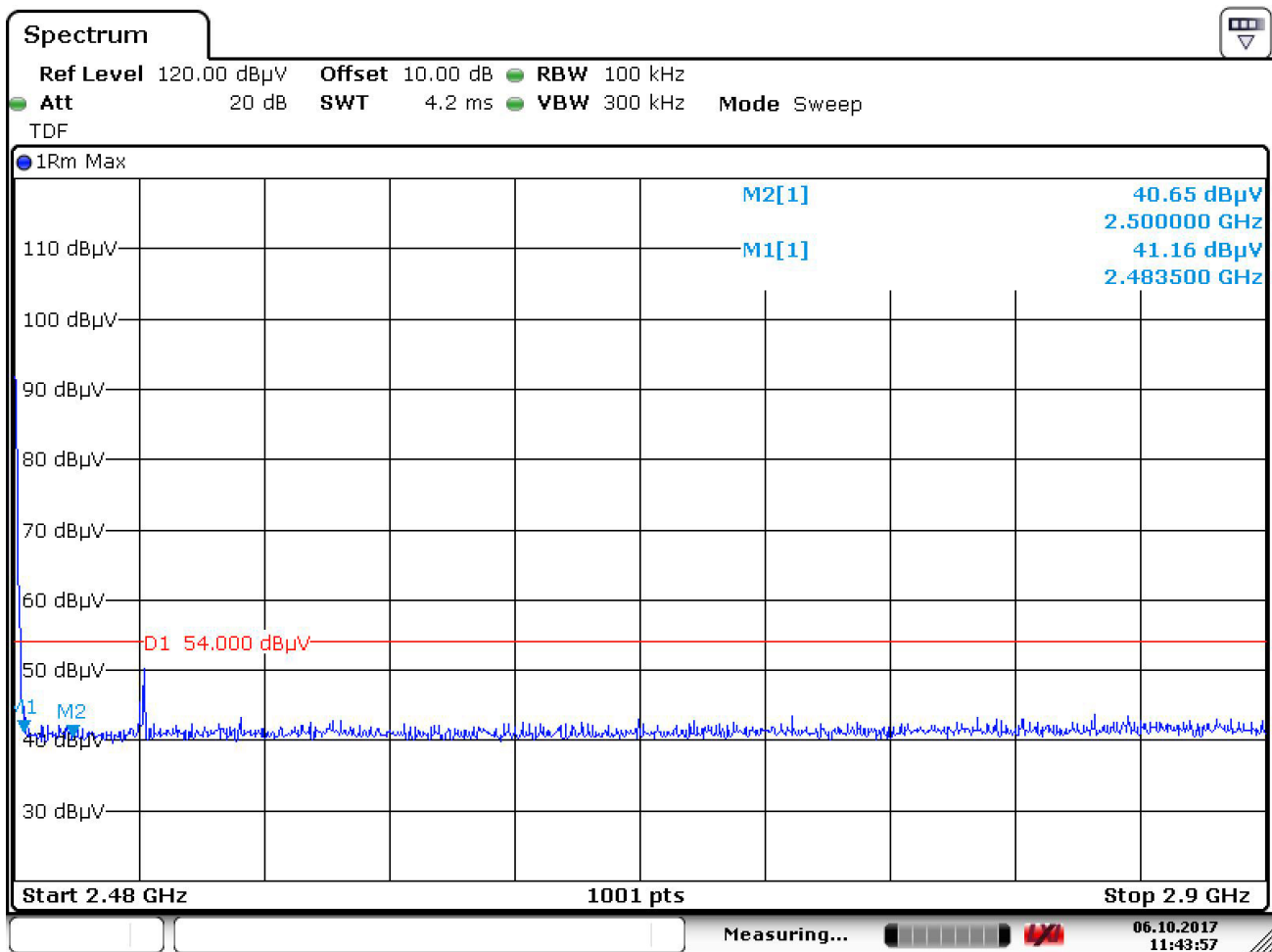
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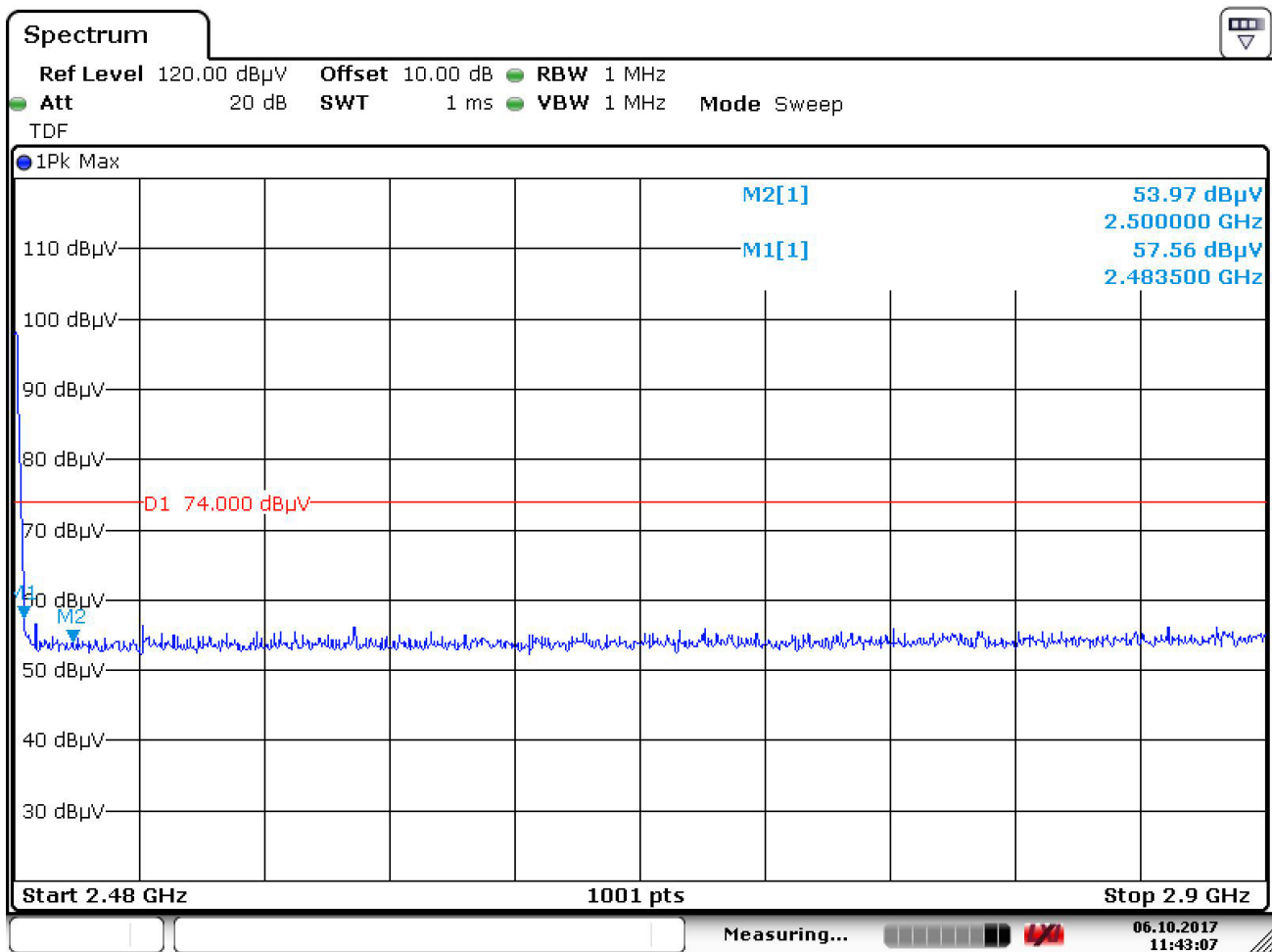
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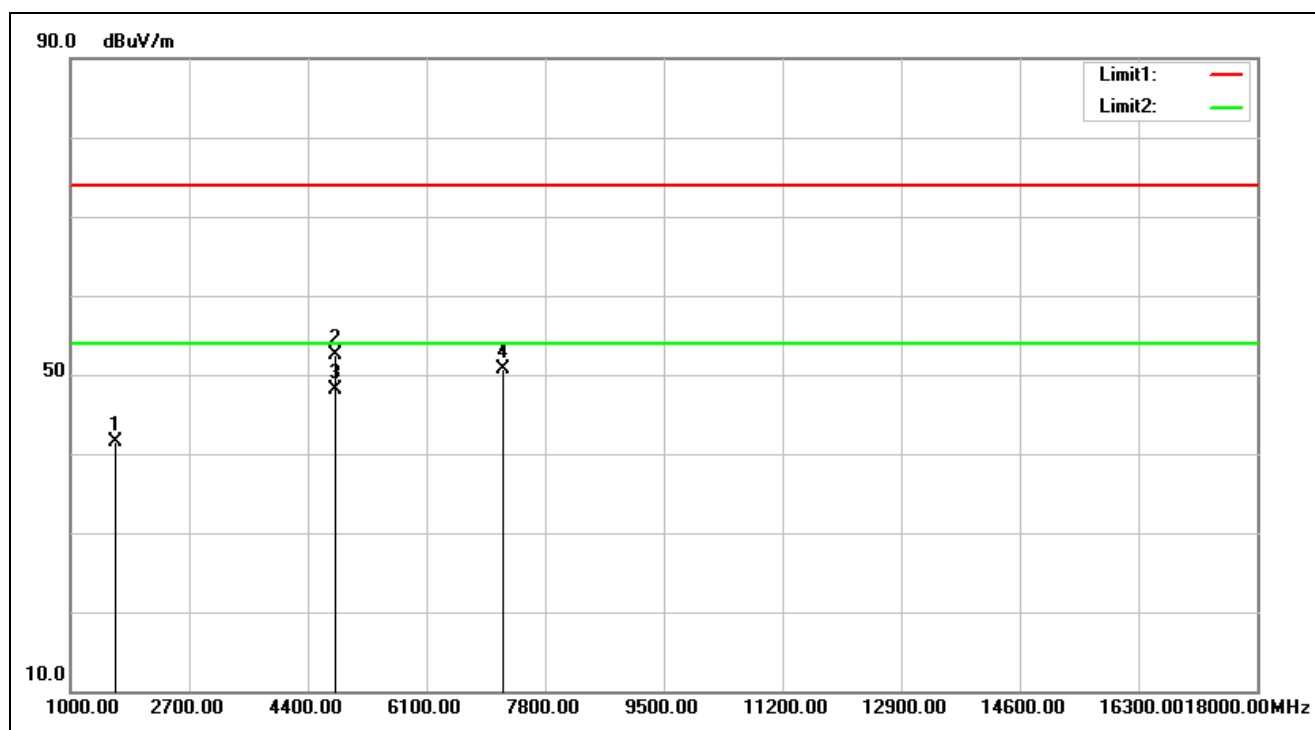
Spurious Emissions, TX Mode, 1-18G



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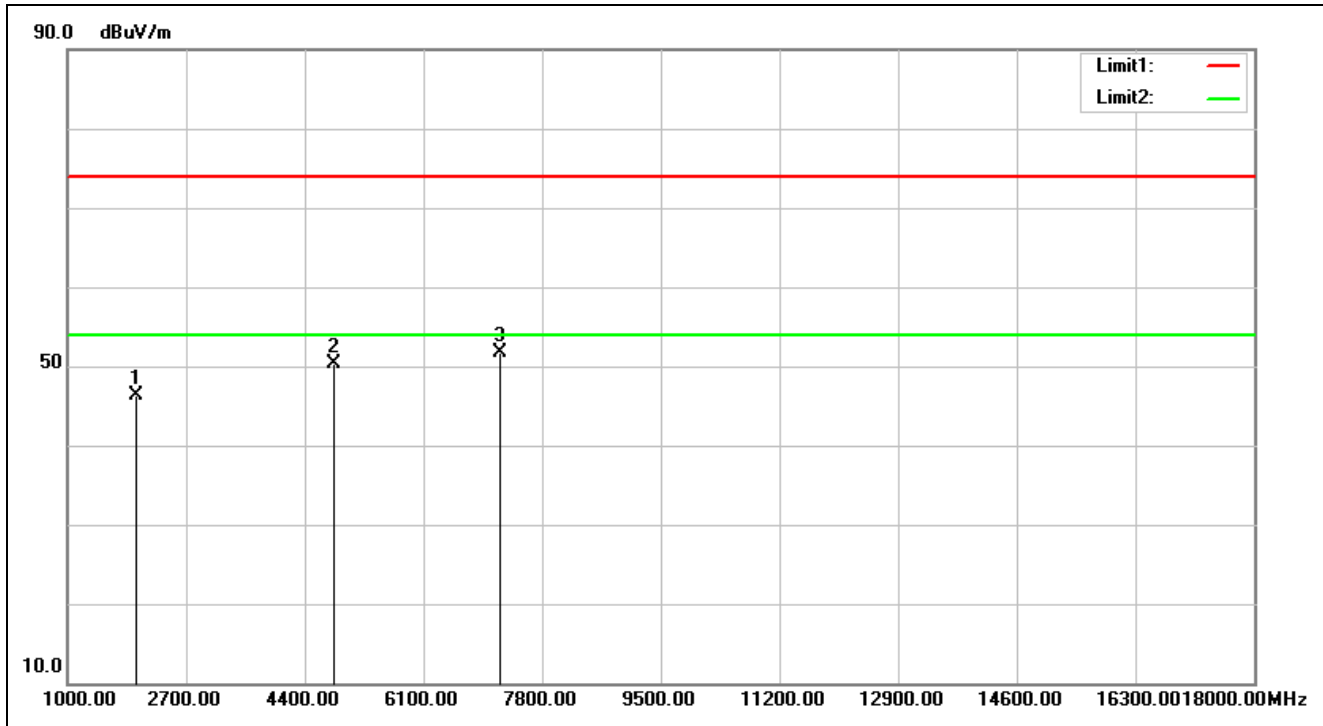
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 09:18:38
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 1M		

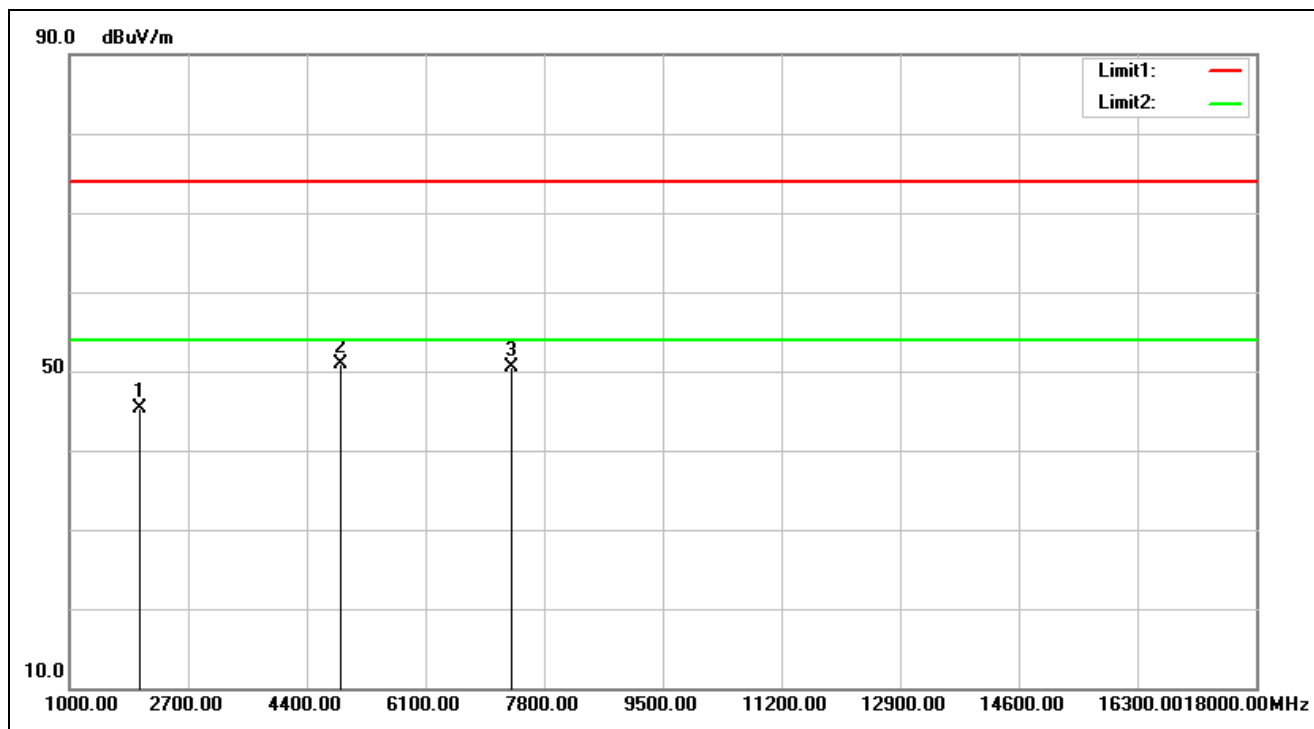
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1646.000	-9.52	50.98	41.46	74.00	-32.54	peak	100	294	
2	4804.000	-2.71	55.26	52.55	74.00	-21.45	peak	100	236	
3	4804.000	-2.71	50.91	48.20	54.00	-5.80	AVG	100	236	
4	7206.000	5.29	45.34	50.63	74.00	-23.37	peak	100	359	

Spurious Emissions, TX Mode, 1-18G



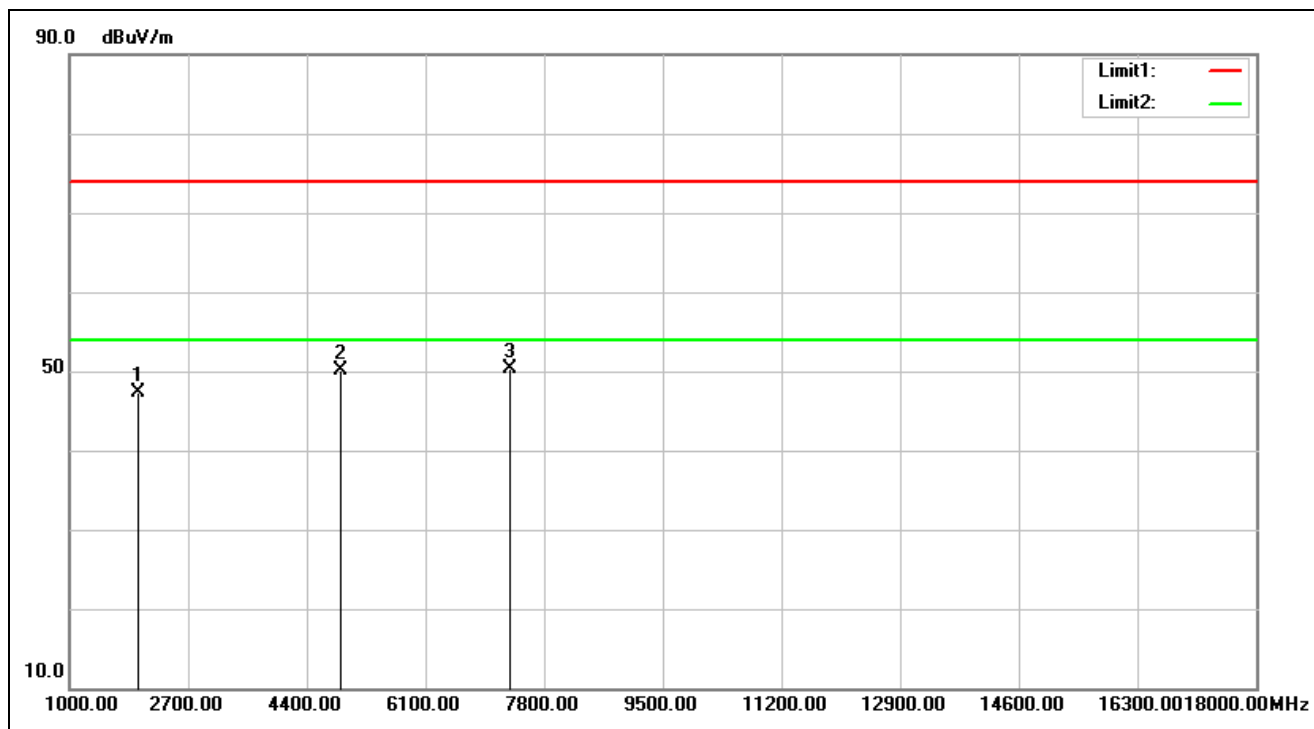
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 09:20:41
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-7.20	53.46	46.26	74.00	-27.74	peak	100	282	
2	4804.000	-2.71	52.94	50.23	74.00	-23.77	peak	100	249	
3	7206.000	5.29	46.35	51.64	74.00	-22.36	peak	100	207	



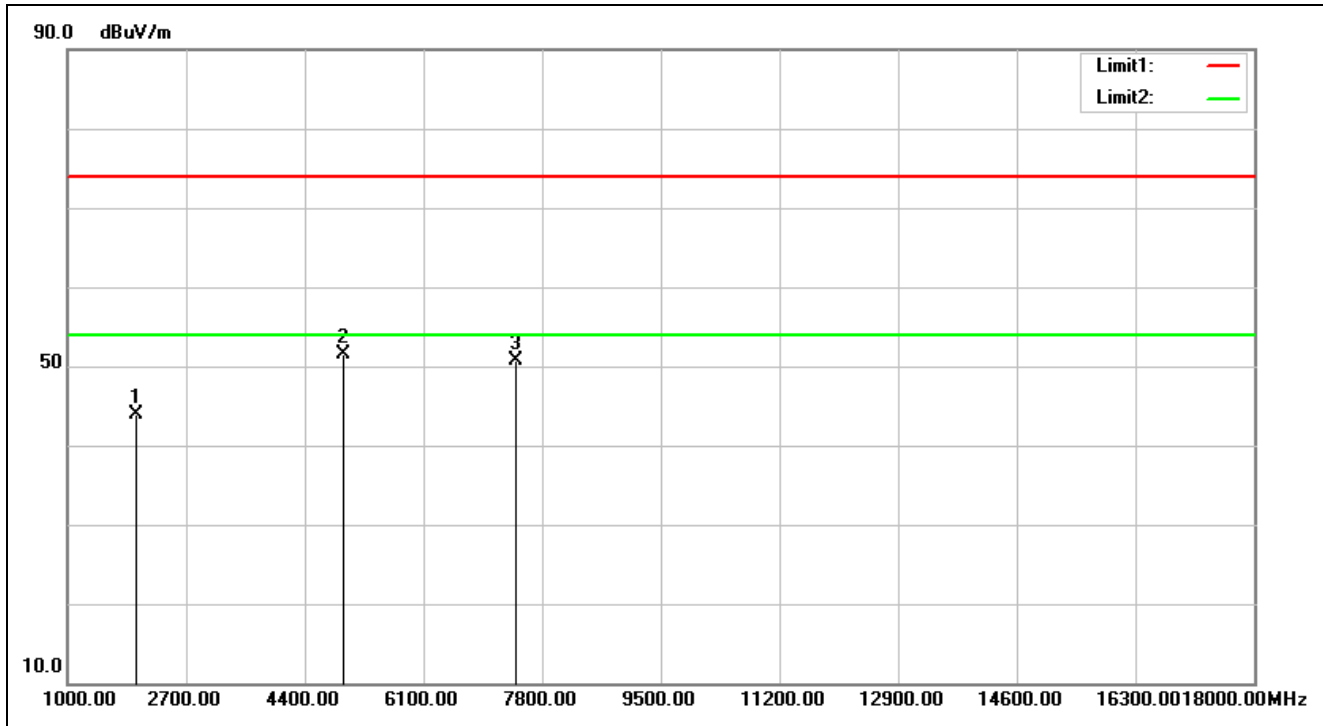
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 09:23:10
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2003.000	-7.11	52.40	45.29	74.00	-28.71	peak	100	22	
2	4880.000	-2.50	53.46	50.96	74.00	-23.04	peak	100	324	
3	7320.000	5.59	44.84	50.43	74.00	-23.57	peak	100	238	



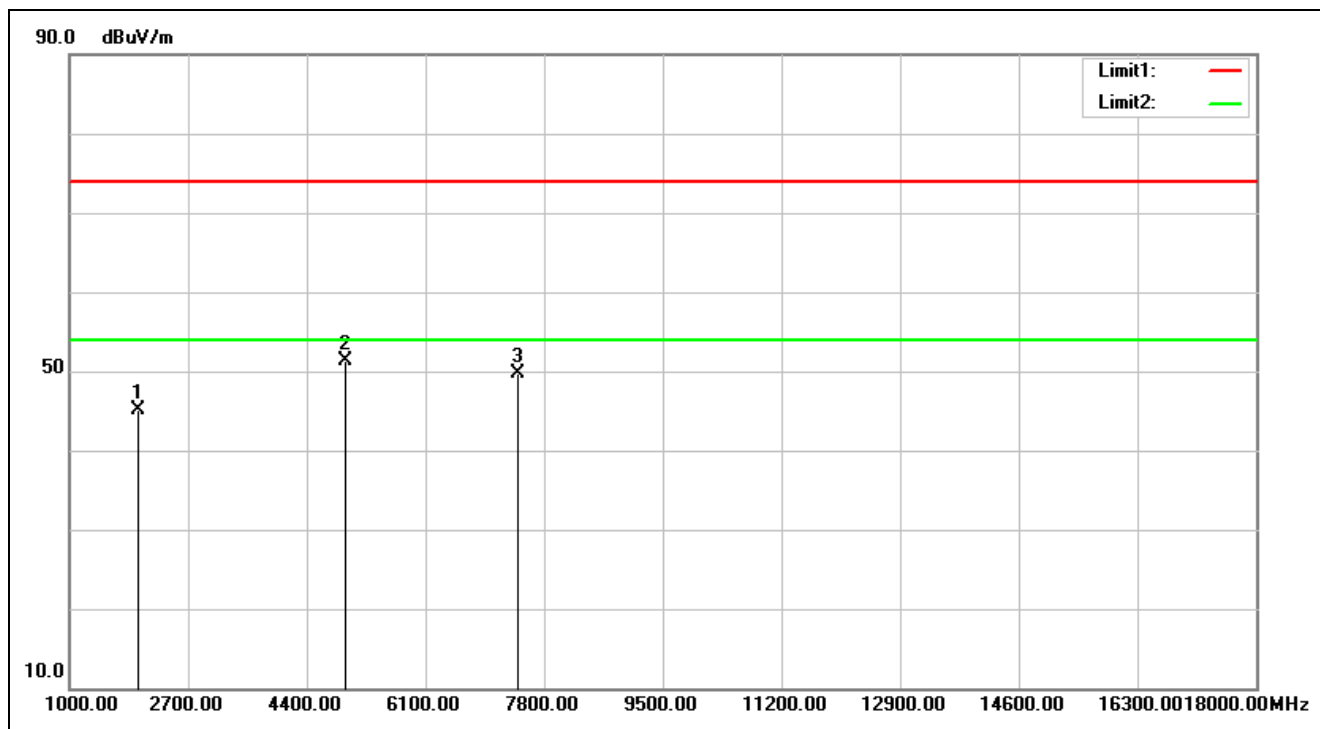
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Test item:	Radiation Emission	Test Time:	2017/9/7 09:25:13
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-7.20	54.51	47.31	74.00	-26.69	peak	100	177	
2	4880.000	-2.50	52.65	50.15	74.00	-23.85	peak	100	249	
3	7320.000	5.59	44.62	50.21	74.00	-23.79	peak	100	225	



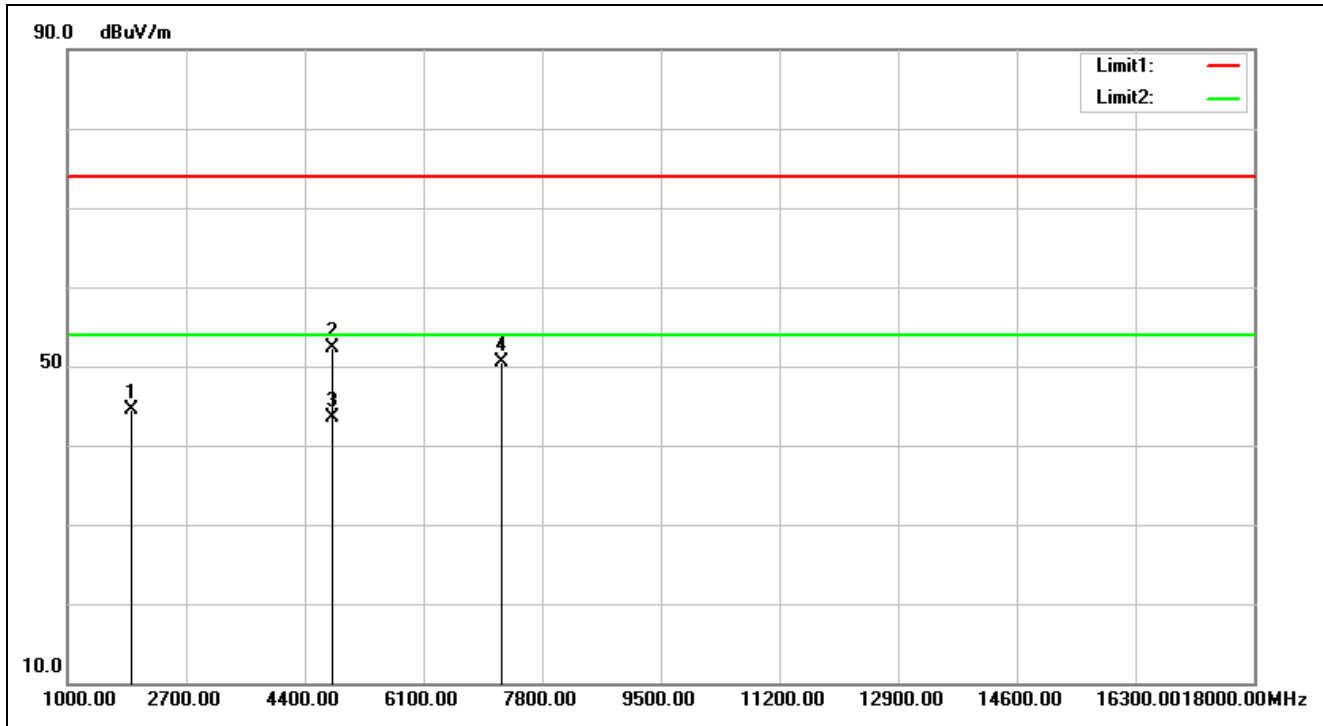
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 09:28:08
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-7.20	51.05	43.85	74.00	-30.15	peak	100	200	
2	4960.000	-2.29	53.82	51.53	74.00	-22.47	peak	100	277	
3	7440.000	5.90	44.72	50.62	74.00	-23.38	peak	100	215	



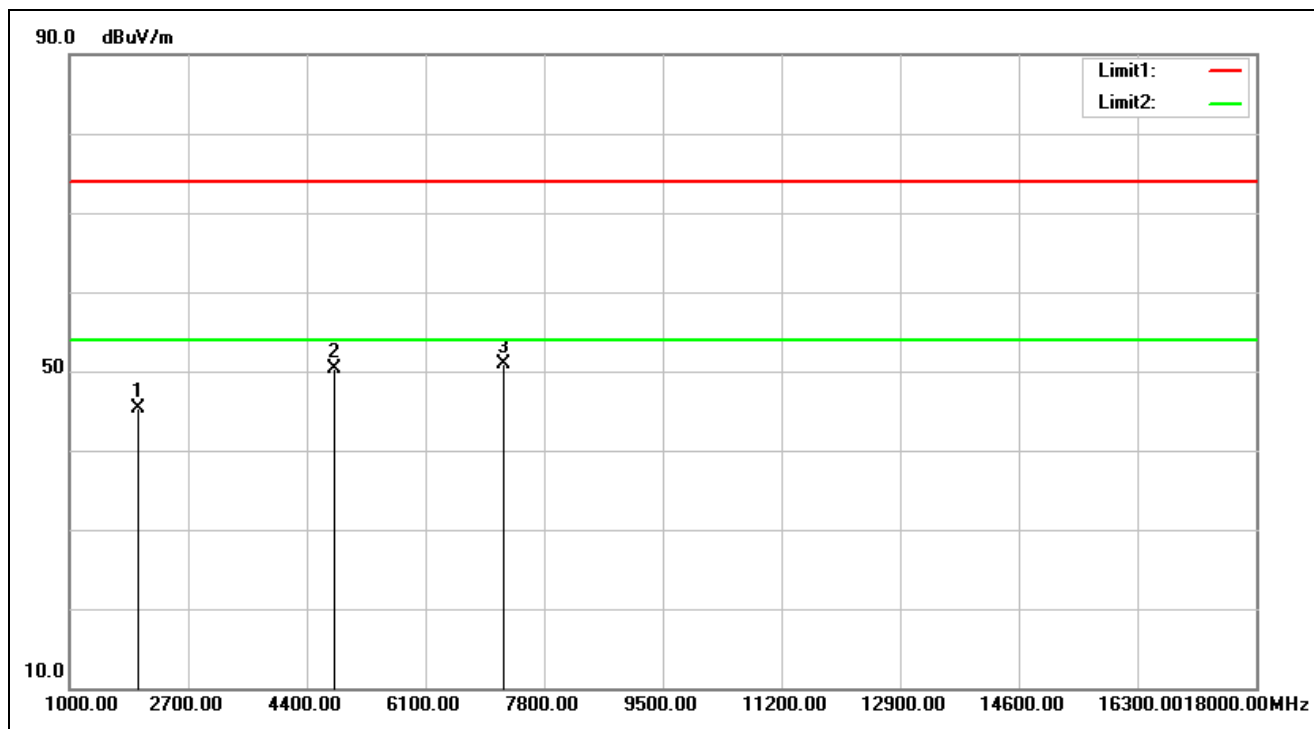
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 09:30:11
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%):	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-7.20	52.25	45.05	74.00	-28.95	peak	100	188	
2	4960.000	-2.29	53.67	51.38	74.00	-22.62	peak	100	257	
3	7440.000	5.90	43.73	49.63	74.00	-24.37	peak	100	229	



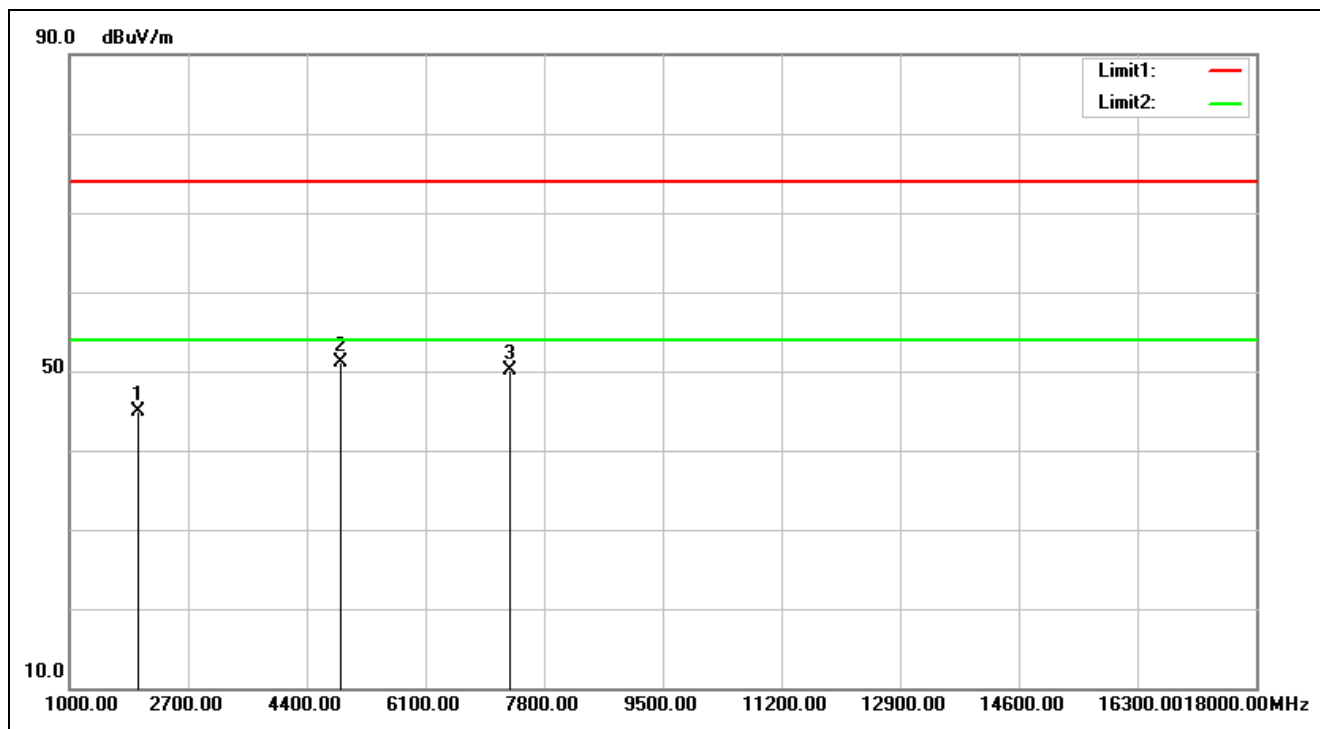
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 09:33:18
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%):	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.68	52.24	44.56	74.00	-29.44	peak	100	114	
2	4804.000	-2.71	55.09	52.38	74.00	-21.62	peak	100	258	
3	4804.000	-2.71	46.27	43.56	54.00	-10.44	AVG	100	258	
4	7206.000	5.29	45.27	50.56	74.00	-23.44	peak	100	173	



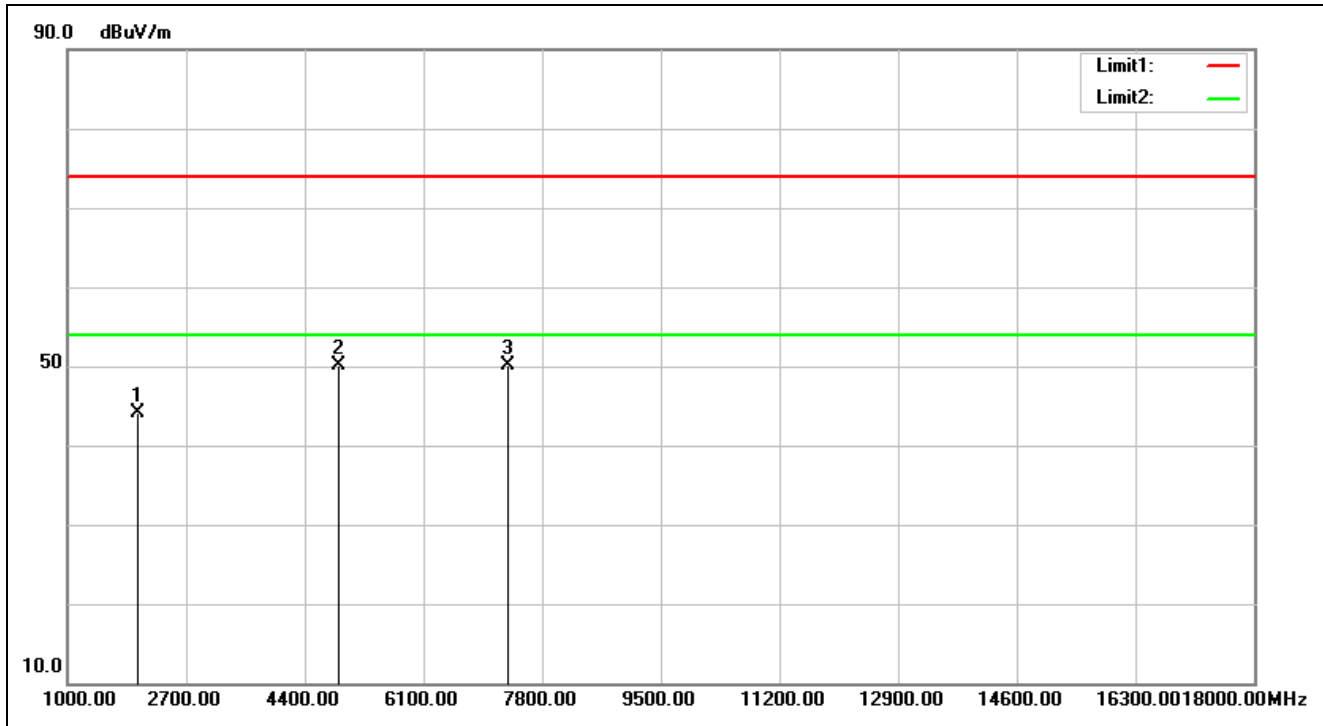
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Test item:	Radiation Emission	Test Time:	2017/9/7 09:35:21
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-7.20	52.47	45.27	74.00	-28.73	peak	100	130	
2	4804.000	-2.71	52.92	50.21	74.00	-23.79	peak	100	243	
3	7206.000	5.29	45.68	50.97	74.00	-23.03	peak	100	256	



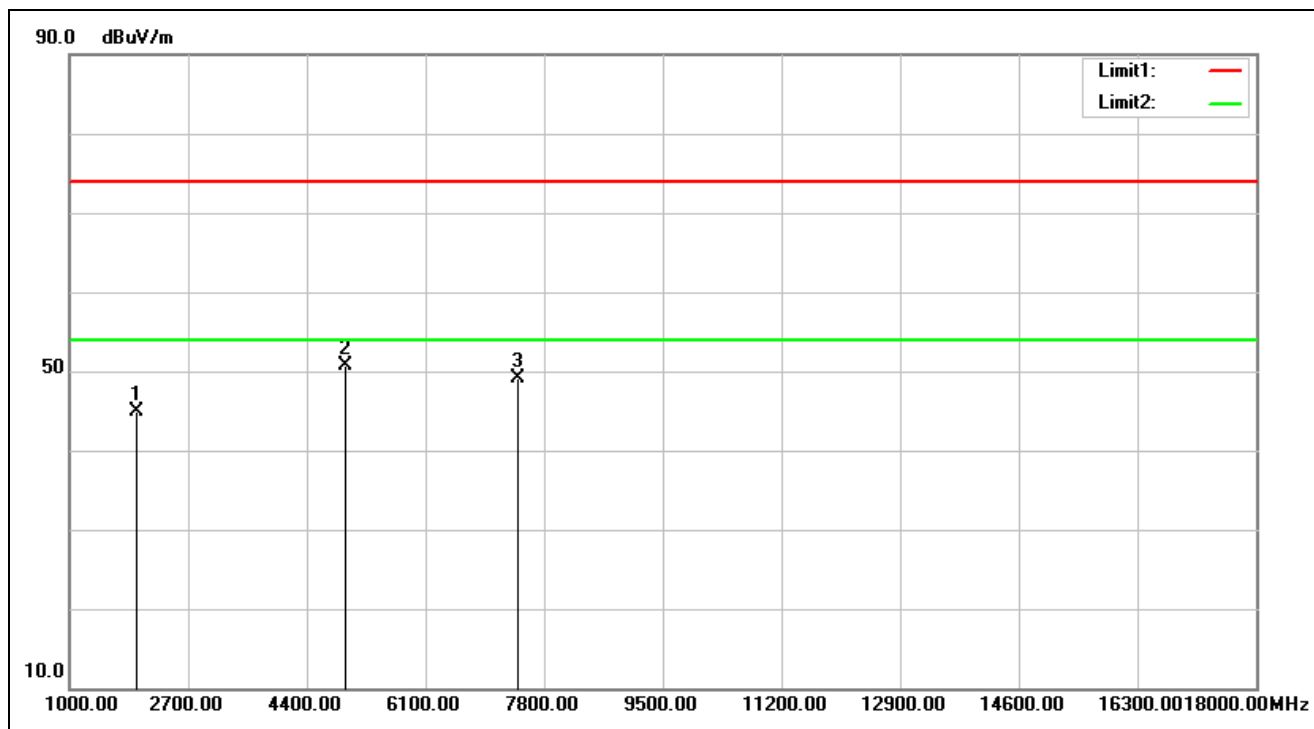
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Test item:	Radiation Emission	Test Time:	2017/9/7 09:38:46
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%):	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-7.20	52.03	44.83	74.00	-29.17	peak	100	188	
2	4880.000	-2.50	53.51	51.01	74.00	-22.99	peak	100	277	
3	7320.000	5.59	44.46	50.05	74.00	-23.95	peak	100	172	



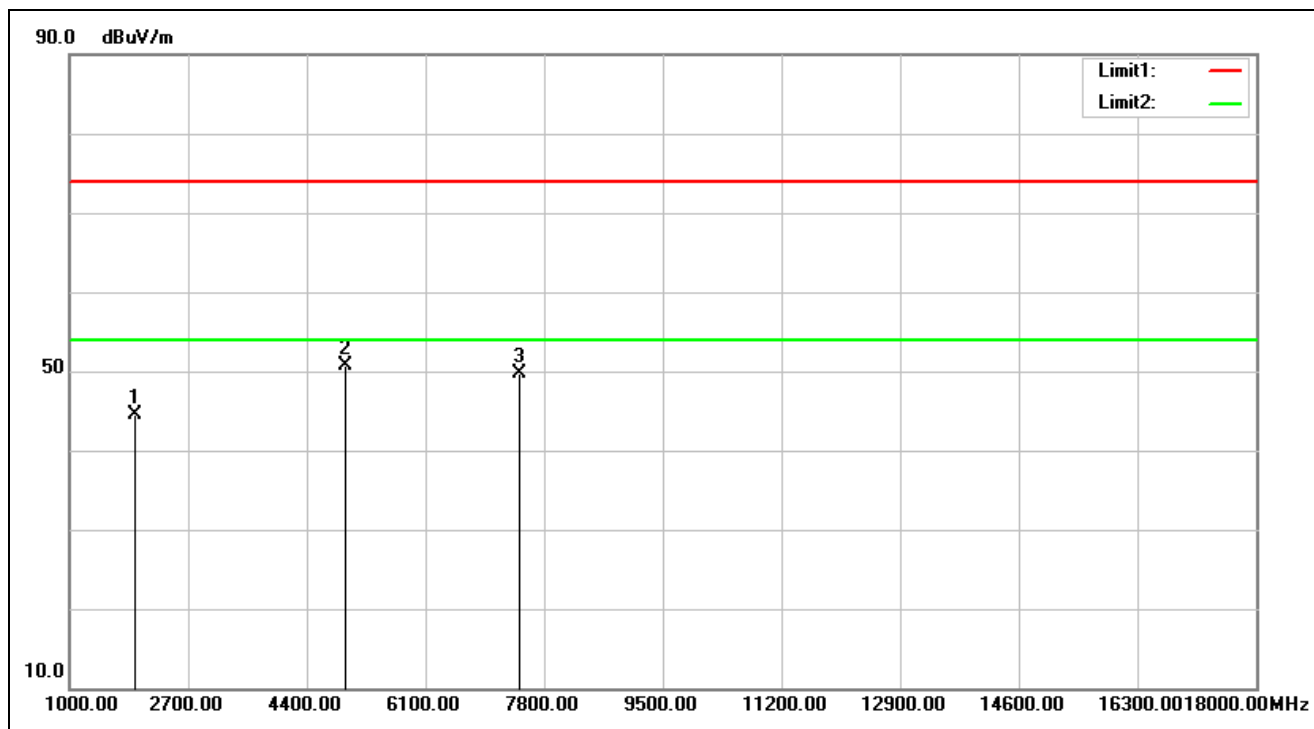
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 09:40:48
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2003.000	-7.11	51.17	44.06	74.00	-29.94	peak	100	229	
2	4880.000	-2.50	52.53	50.03	74.00	-23.97	peak	100	207	
3	7320.000	5.59	44.54	50.13	74.00	-23.87	peak	100	169	



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 09:43:03
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1952.000	-7.44	52.29	44.85	74.00	-29.15	peak	100	249	
2	4960.000	-2.29	53.00	50.71	74.00	-23.29	peak	100	277	
3	7440.000	5.90	43.12	49.02	74.00	-24.98	peak	100	192	



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 09:45:06
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1935.000	-7.55	52.08	44.53	74.00	-29.47	peak	100	143	
2	4960.000	-2.29	52.95	50.66	74.00	-23.34	peak	100	346	
3	7440.000	5.90	43.85	49.75	74.00	-24.25	peak	100	305	

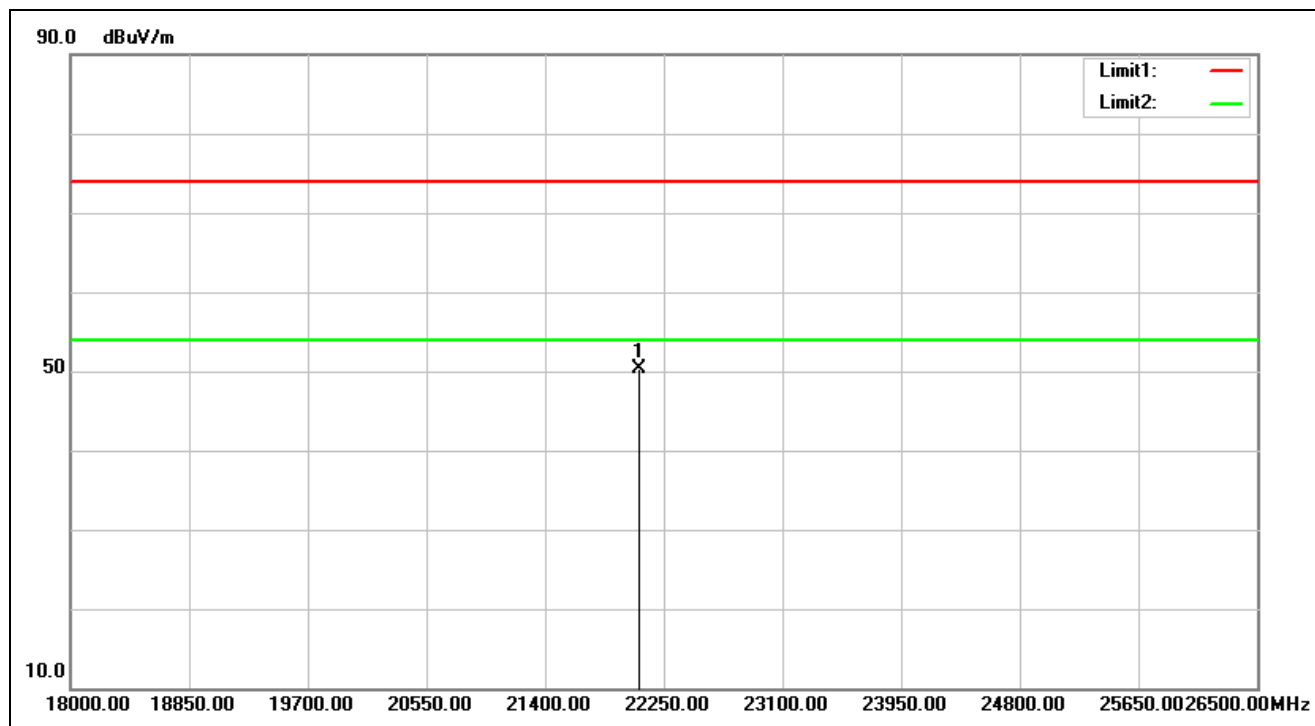
Spurious Emissions, TX Mode, 18-26G



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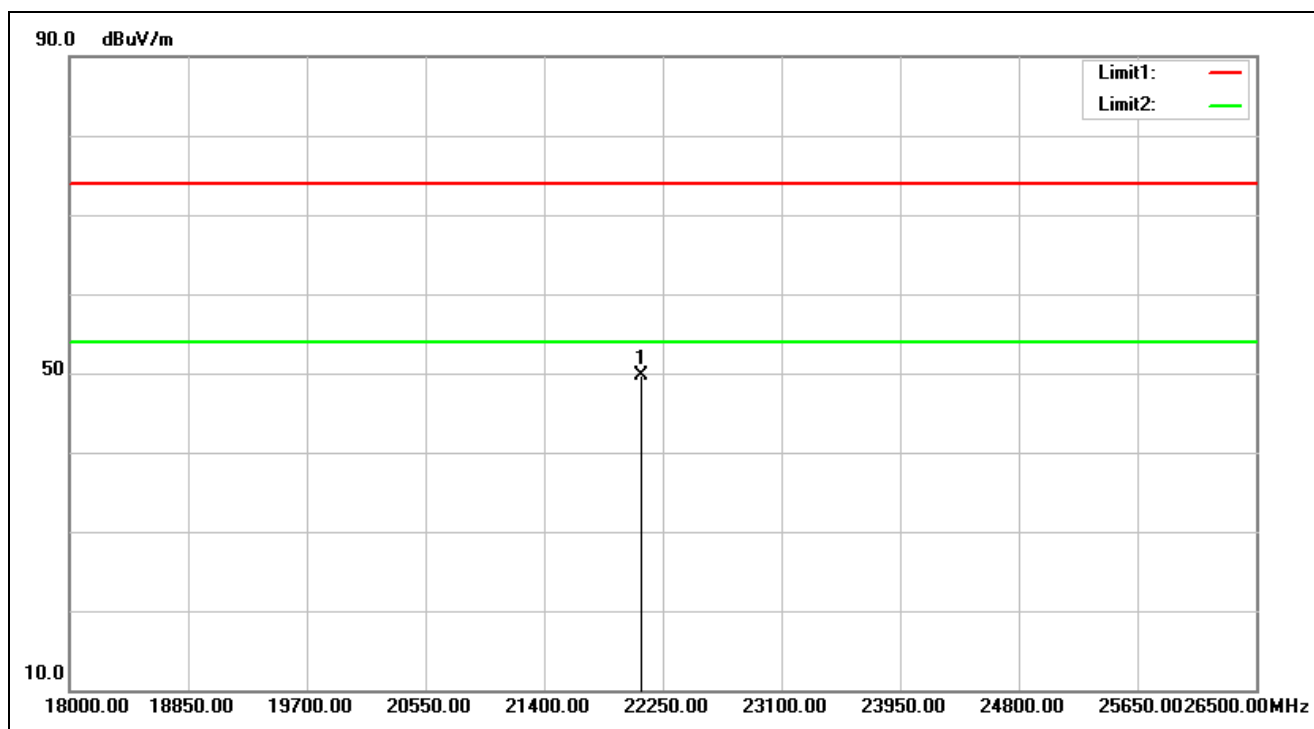
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:07:14
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%):	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 1M		

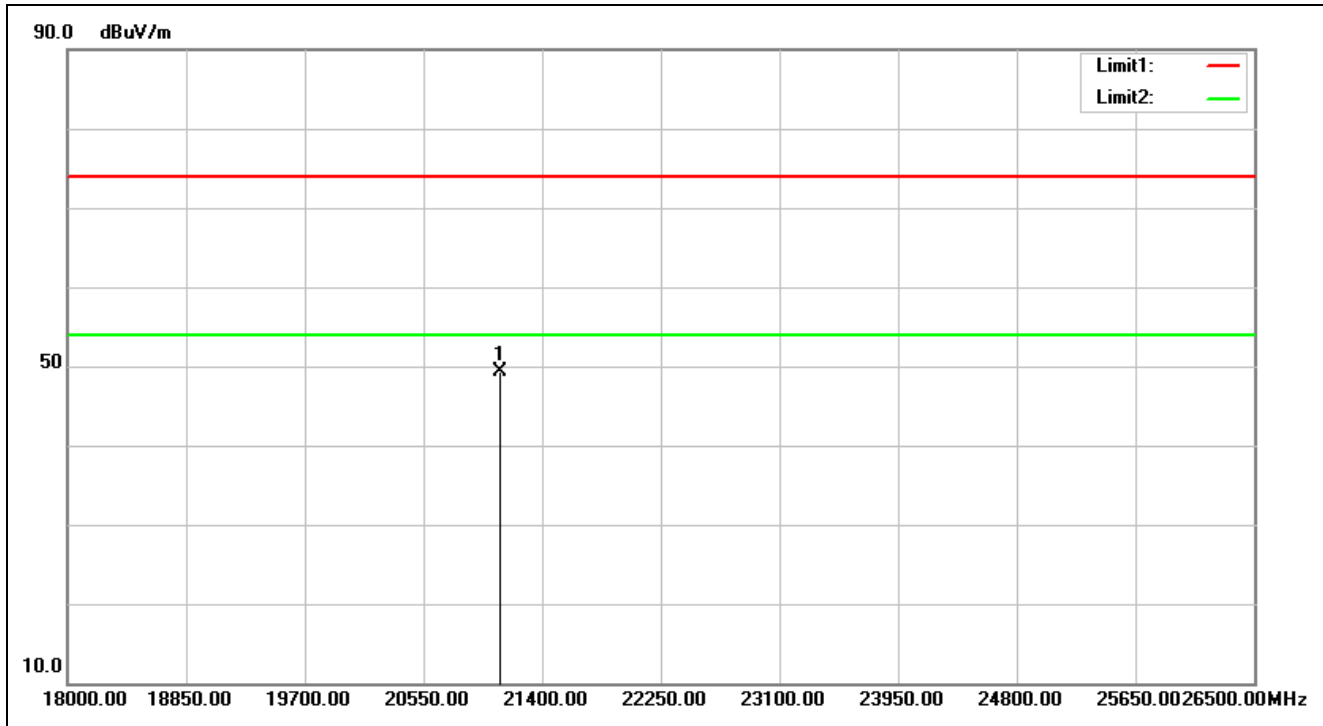
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22071.500	32.54	17.74	50.28	74.00	-23.72	peak	100	260	

Spurious Emissions, TX Mode, 30M-1G



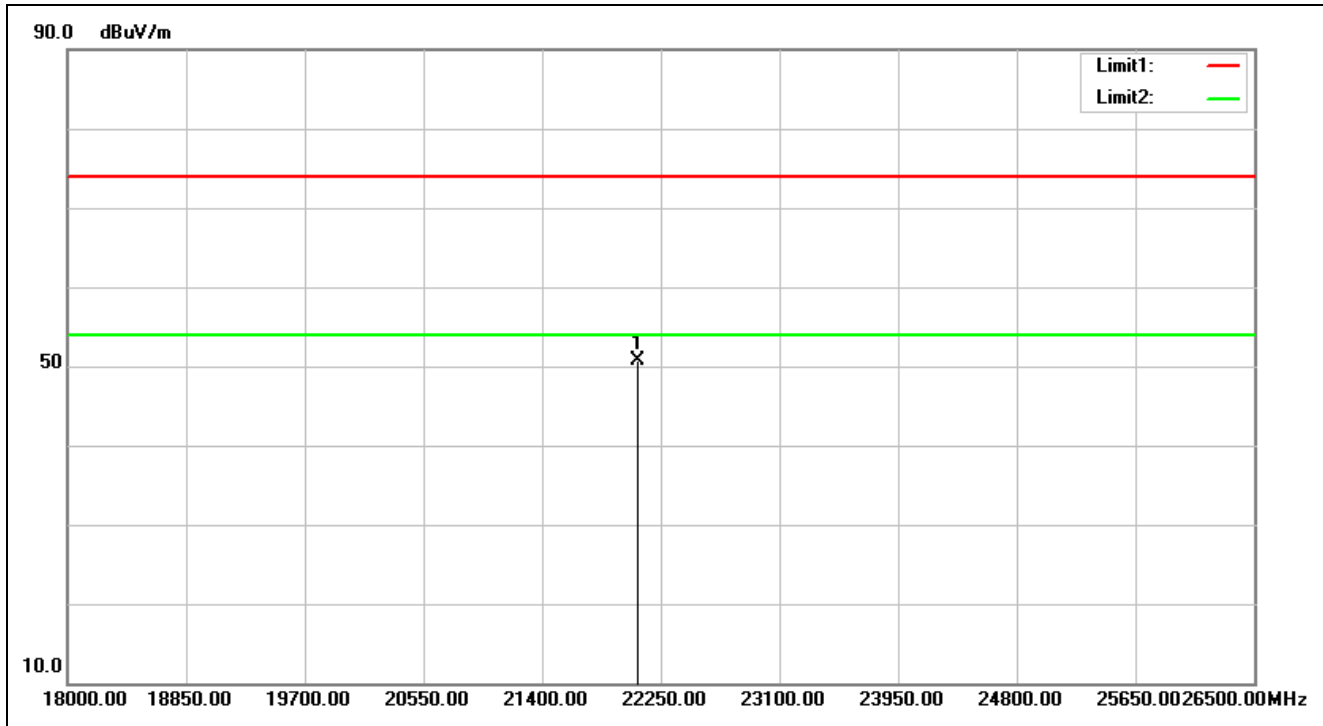
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:08:53
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22097.000	32.52	17.25	49.77	74.00	-24.23	peak	100	236	



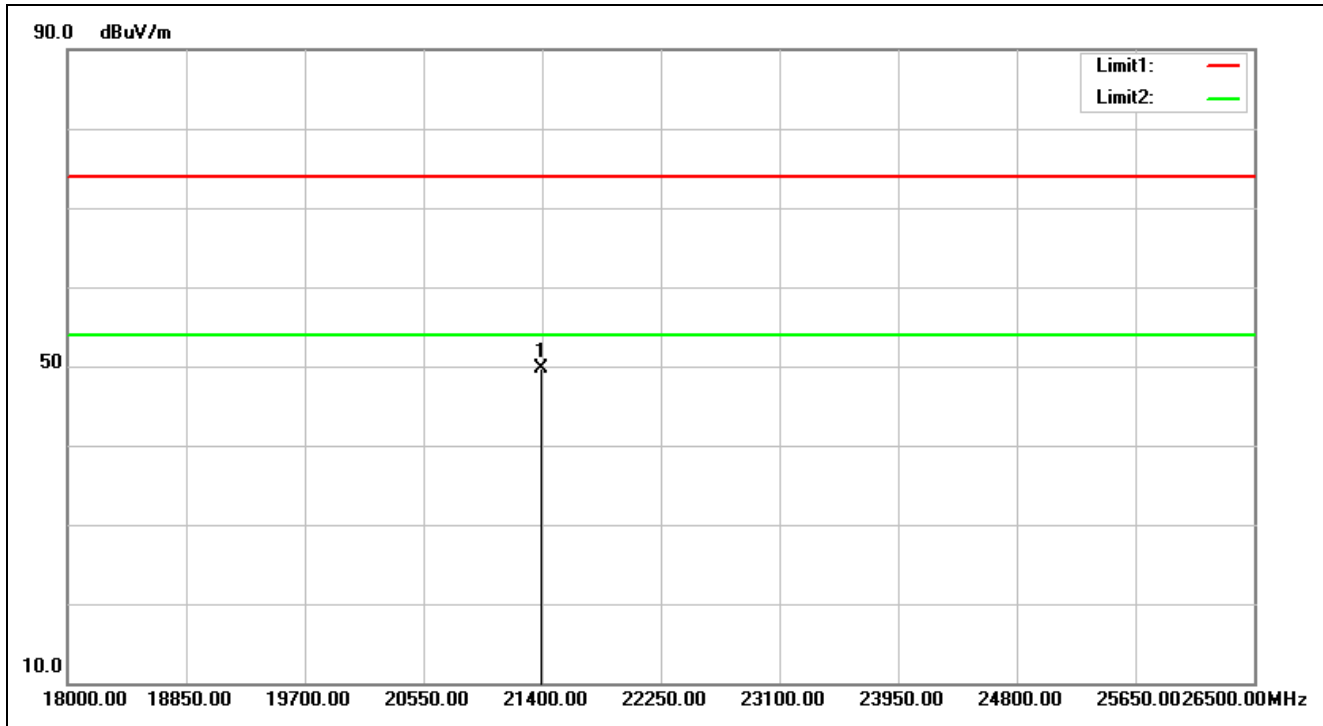
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:10:29
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21094.000	31.42	17.87	49.29	74.00	-24.71	peak	100	295	



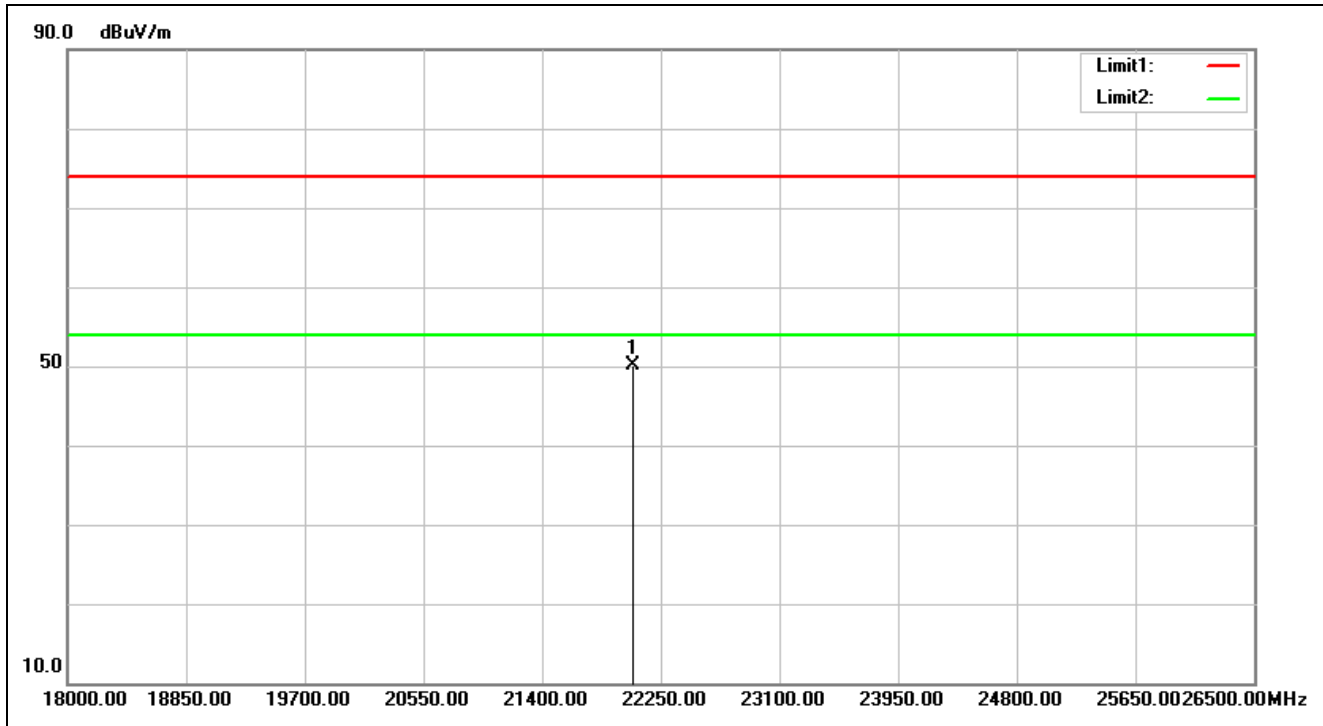
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:11:12
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22088.500	32.51	18.15	50.66	74.00	-23.34	peak	100	167	



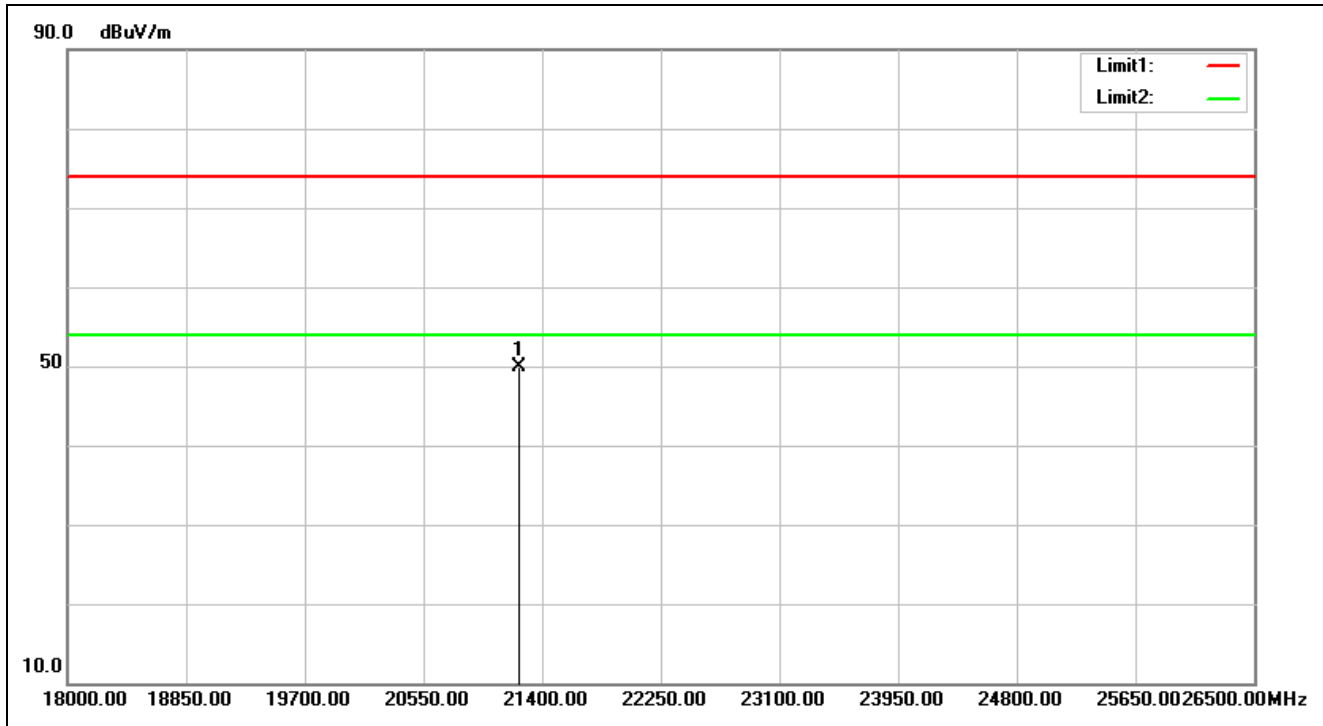
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:13:45
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21391.500	31.87	17.79	49.66	74.00	-24.34	peak	100	293	



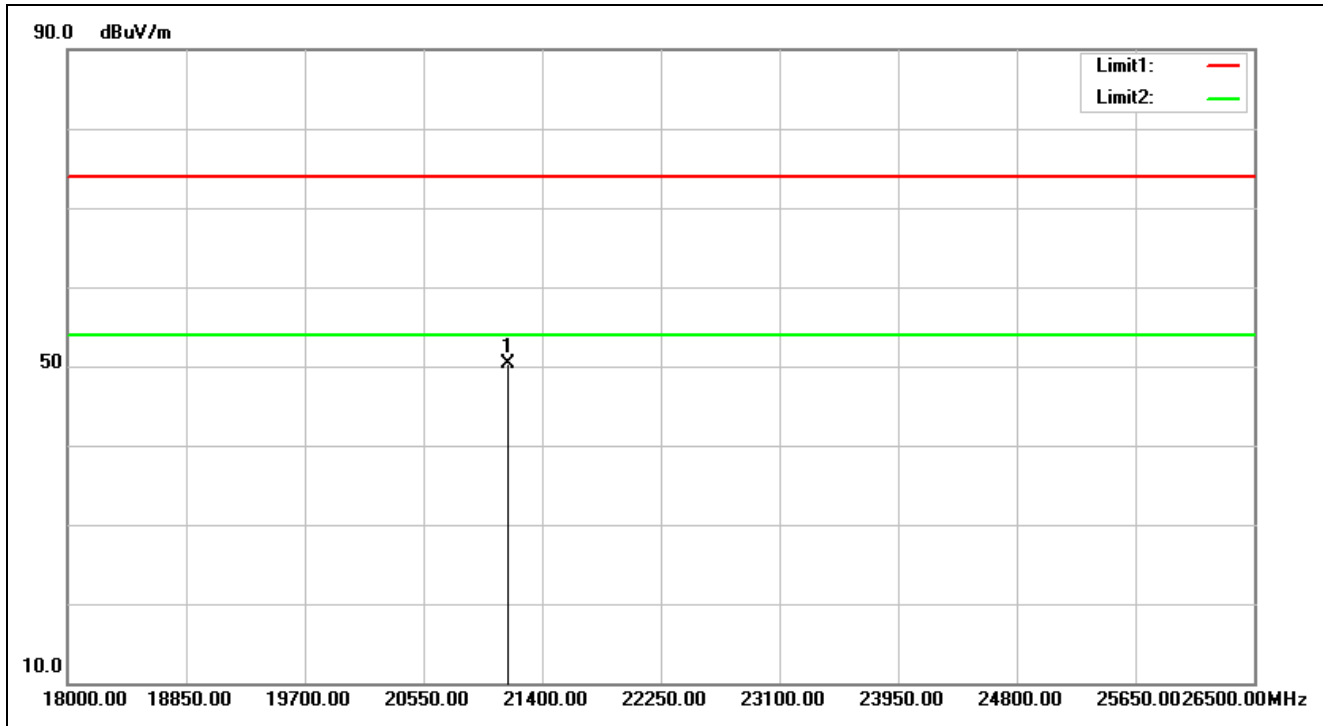
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:14:13
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22054.500	32.54	17.59	50.13	74.00	-23.87	peak	100	169	



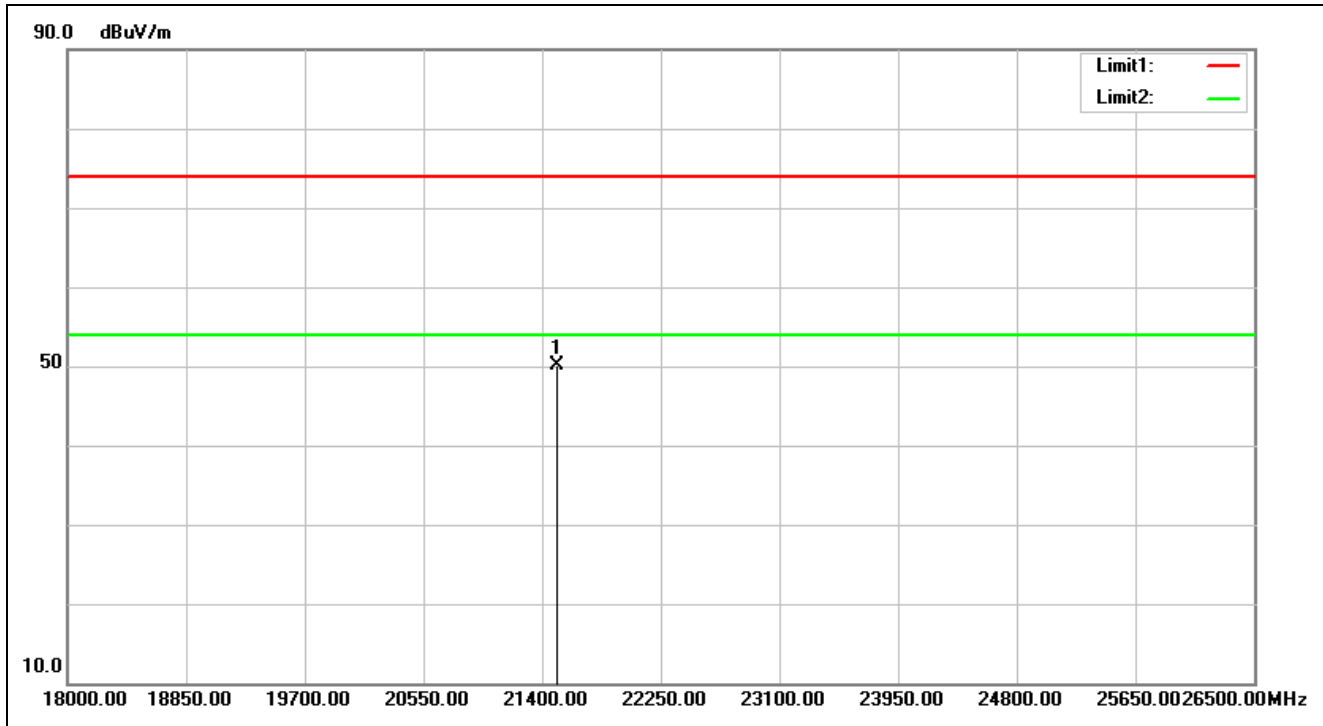
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:16:54
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21238.500	31.64	18.25	49.89	74.00	-24.11	peak	100	268	



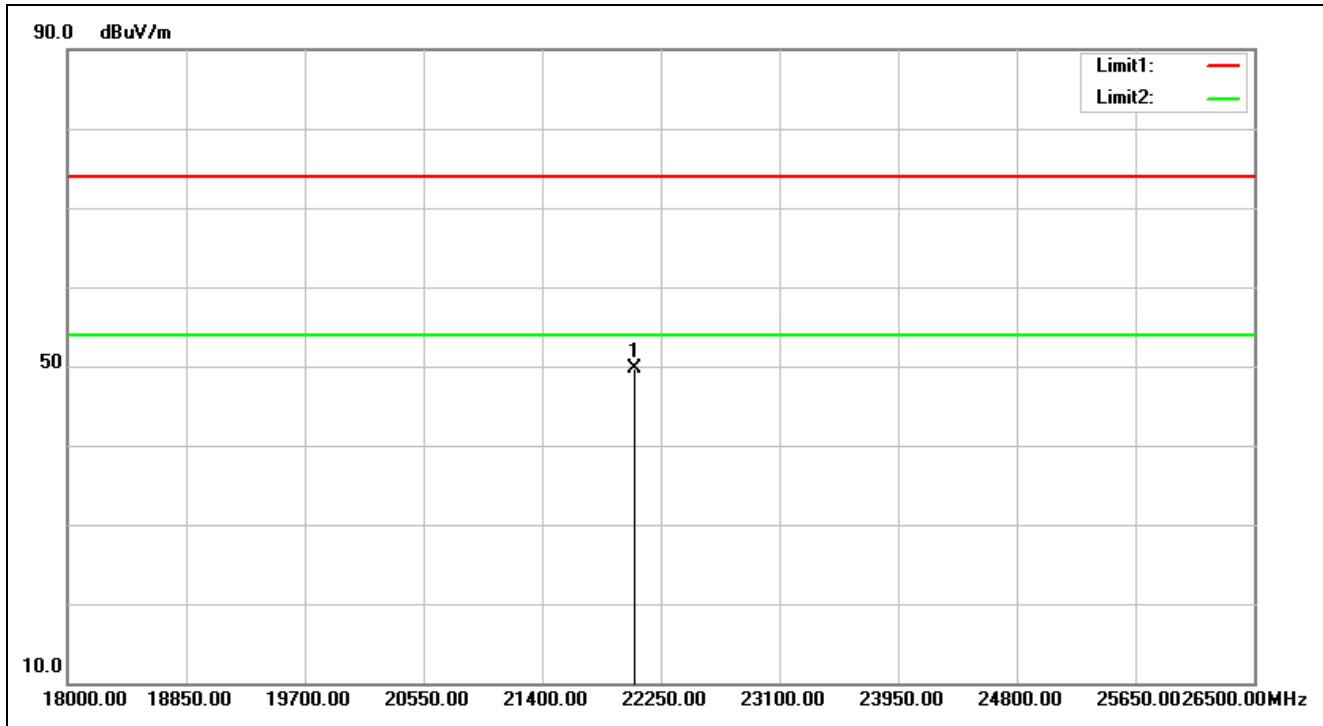
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:17:36
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21153.500	31.51	18.89	50.40	74.00	-23.60	peak	100	105	



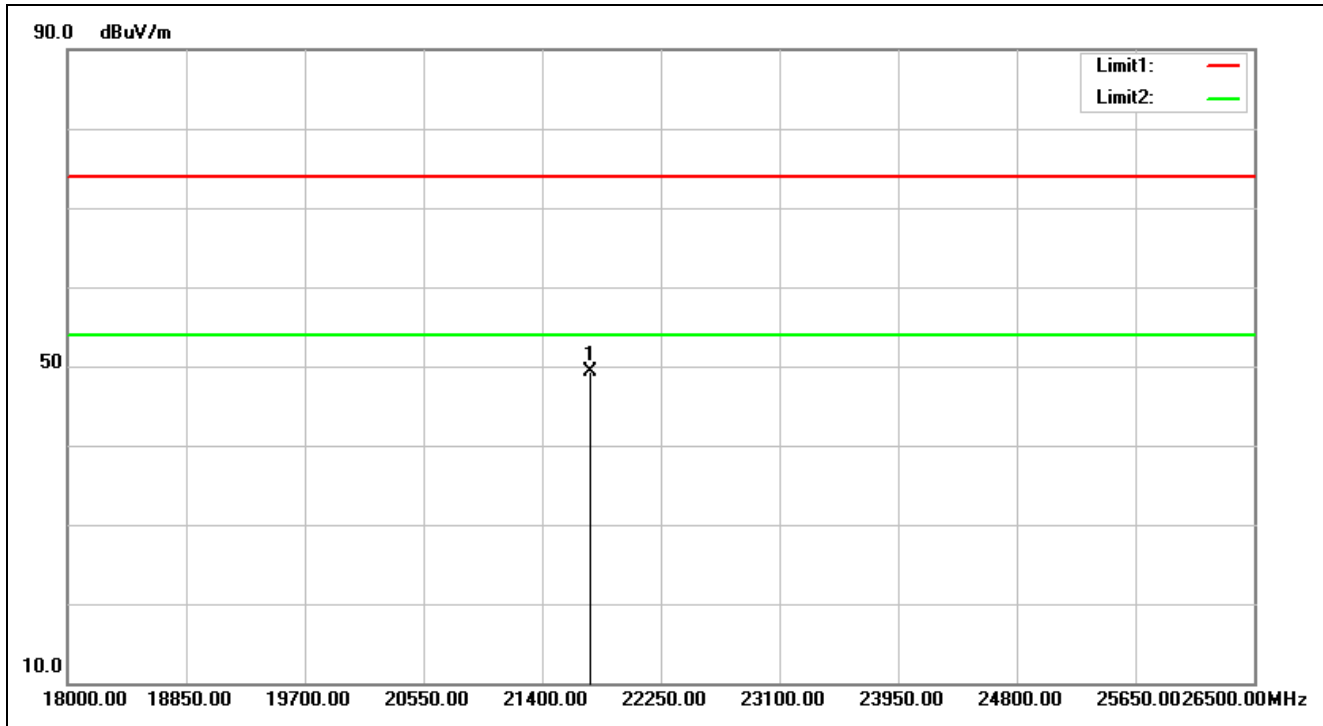
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:19:28
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21510.500	32.04	17.98	50.02	74.00	-23.98	peak	100	39	



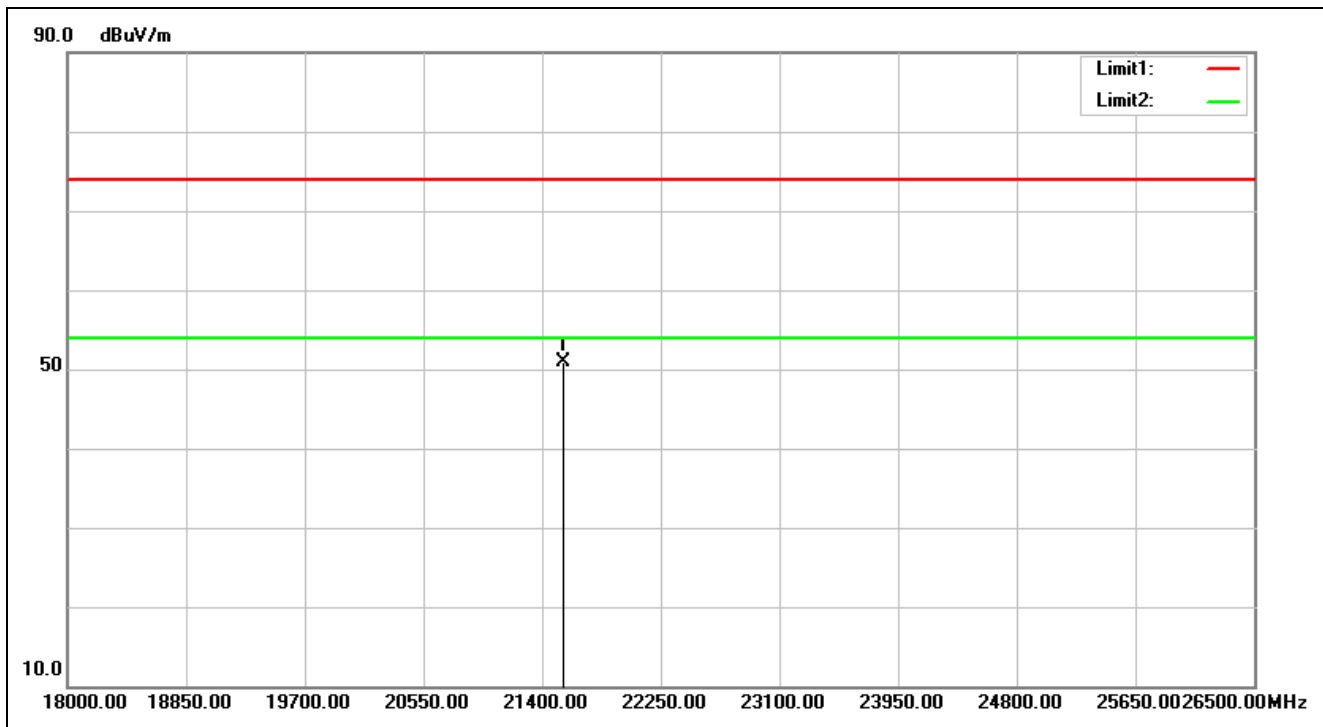
Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:20:31
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22063.000	32.54	17.20	49.74	74.00	-24.26	peak	100	172	



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:23:09
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21740.000	32.29	16.96	49.25	74.00	-24.75	peak	100	229	



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:24:44
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	LE 2M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21553.000	32.09	18.75	50.84	74.00	-23.16	peak	100	127	

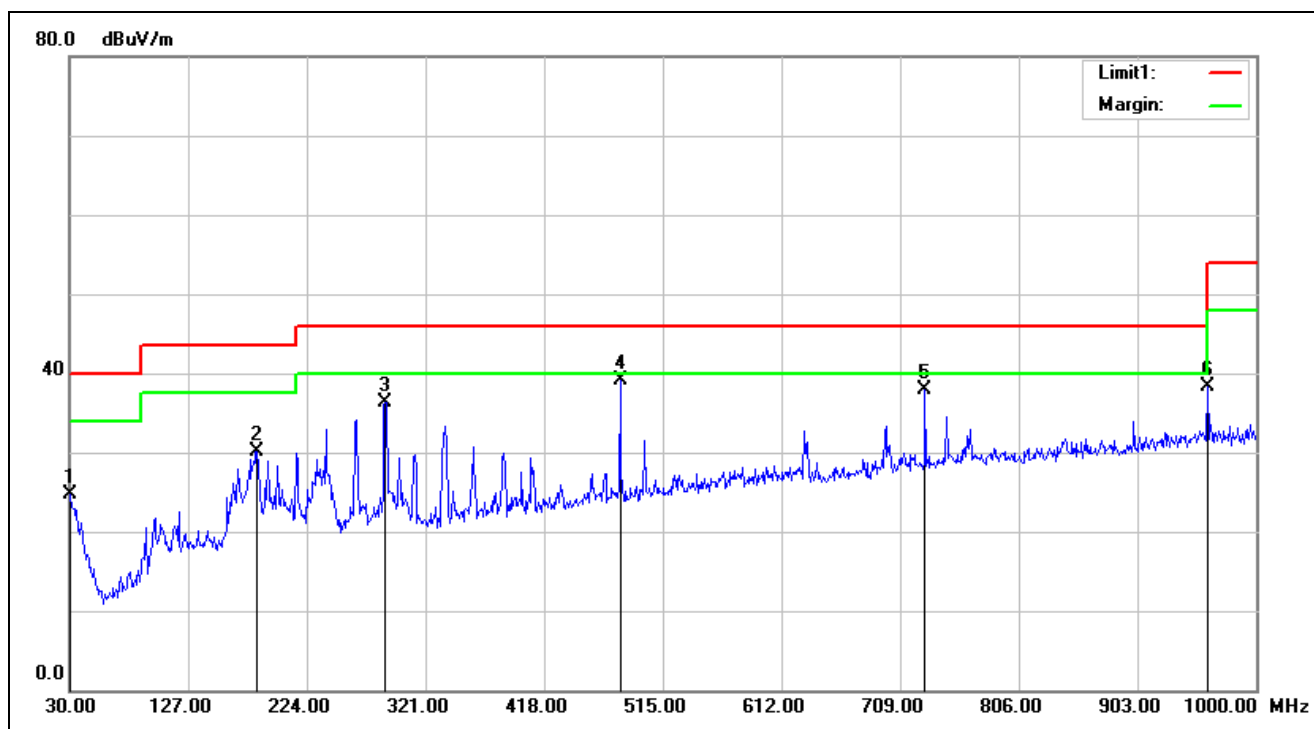
Spurious Emissions, TX Mode, 30M-1G



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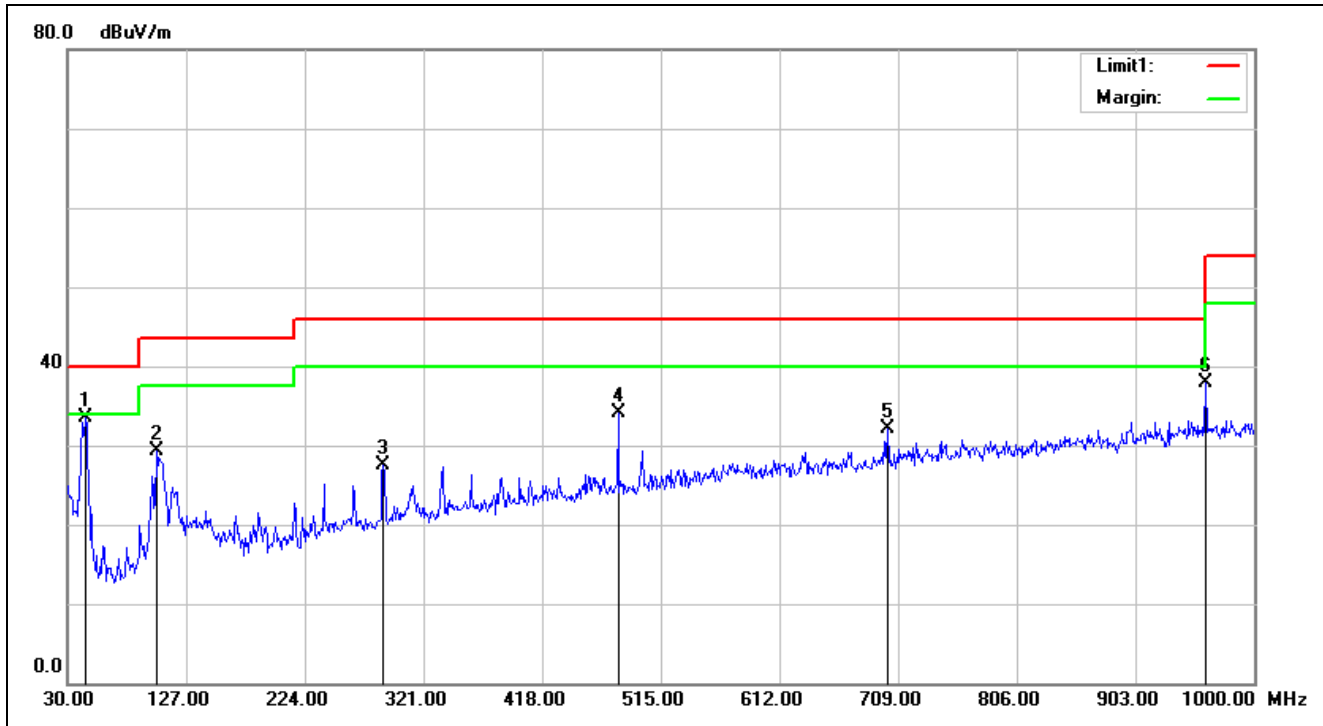
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:38:15
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.79	25.43	24.64	40.00	-15.36	QP	300	344	
2	183.2600	-9.61	39.73	30.12	43.50	-13.38	QP	200	293	
3	288.0200	-4.88	41.28	36.40	46.00	-9.60	QP	158	291	
4	480.0800	-1.47	40.51	39.04	46.00	-6.96	QP	100	232	
5	729.3700	1.92	36.00	37.92	46.00	-8.08	QP	200	259	
6	960.2300	5.54	32.71	38.25	54.00	-15.75	QP	100	163	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:43:18
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	44.5500	-8.54	41.99	33.45	40.00	-6.55	QP	100	299	
2	102.7500	-9.14	38.36	29.22	43.50	-14.28	QP	100	135	
3	288.0200	-4.88	32.36	27.48	46.00	-18.52	QP	100	237	
4	480.0800	-1.47	35.62	34.15	46.00	-11.85	QP	100	184	
5	700.2700	1.28	30.76	32.04	46.00	-13.96	QP	100	72	
6	960.2300	5.54	32.37	37.91	54.00	-16.09	QP	100	104	

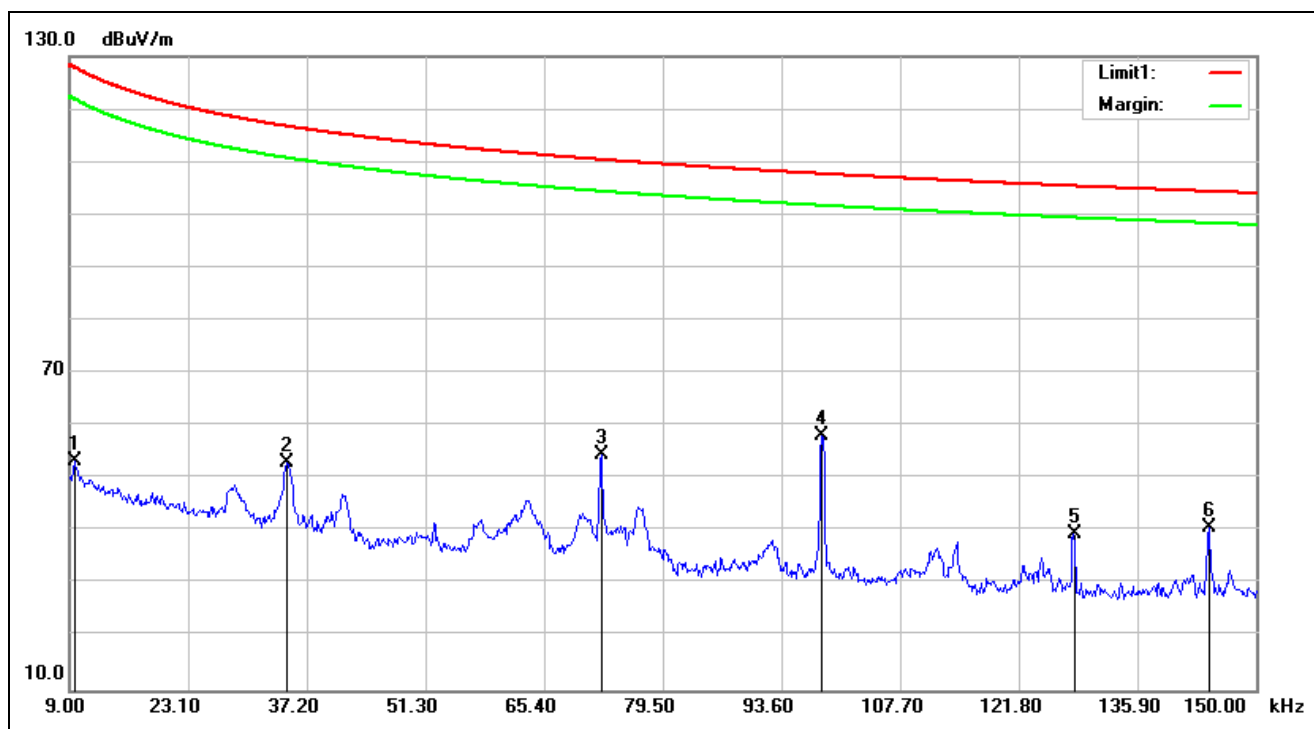
Spurious Emissions, TX Mode, 9k-30M



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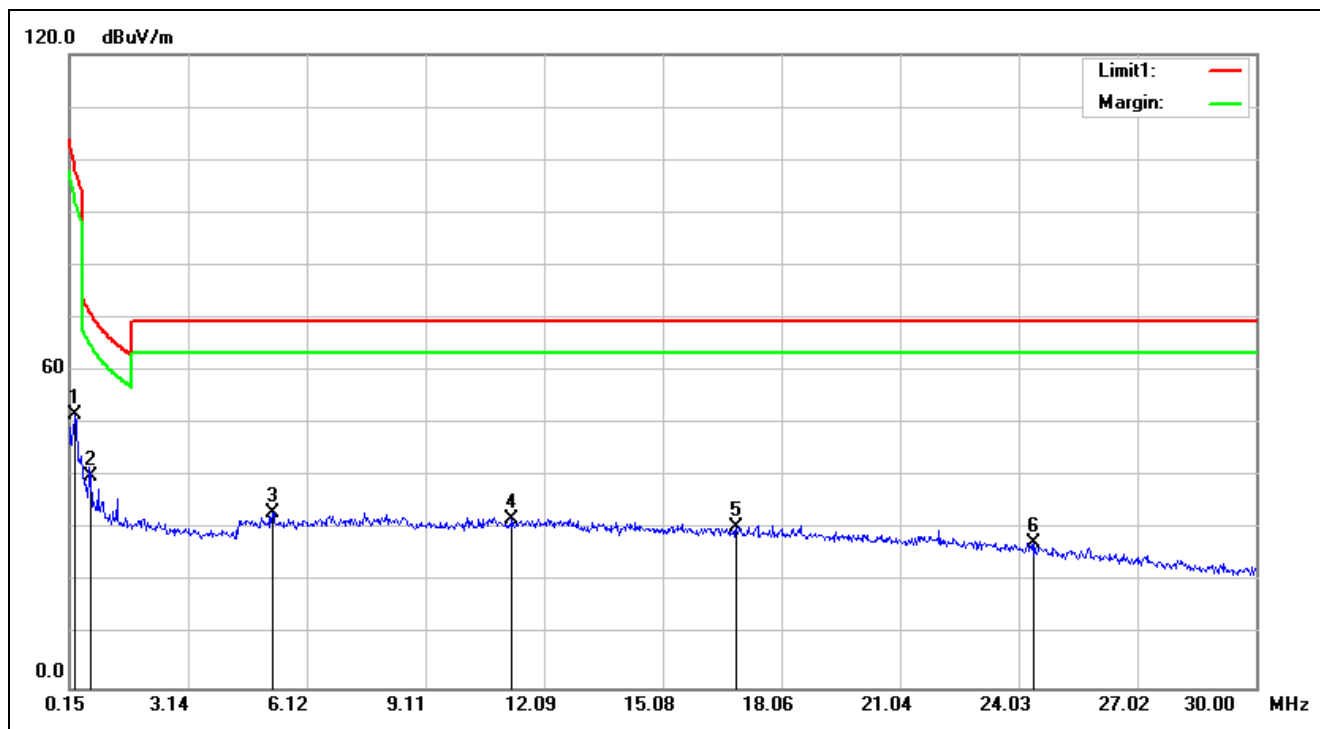
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Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/9/7 21:52:16
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%):	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	19.77	33.44	53.21	127.94	-74.73	QP	100	254	
2	0.0348	19.96	33.03	52.99	116.76	-63.77	QP	100	289	
3	0.0722	19.30	35.22	54.52	110.42	-55.90	QP	100	317	
4	0.0984	19.14	39.15	58.29	107.74	-49.45	QP	100	102	
5	0.1283	19.10	20.40	39.50	105.43	-65.93	QP	100	149	
6	0.1444	19.09	21.53	40.62	104.41	-63.79	QP	100	158	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/9/7 21:54:33
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.2993	18.94	32.91	51.85	98.08	-46.23	QP	100	259	
2	0.6873	18.91	21.00	39.91	70.87	-30.96	QP	100	304	
3	5.2543	19.78	13.29	33.07	69.50	-36.43	QP	100	156	
4	11.2841	20.45	11.63	32.08	69.50	-37.42	QP	100	273	
5	16.9257	21.45	9.02	30.47	69.50	-39.03	QP	100	192	
6	24.4181	22.28	5.26	27.54	69.50	-41.96	QP	100	68	

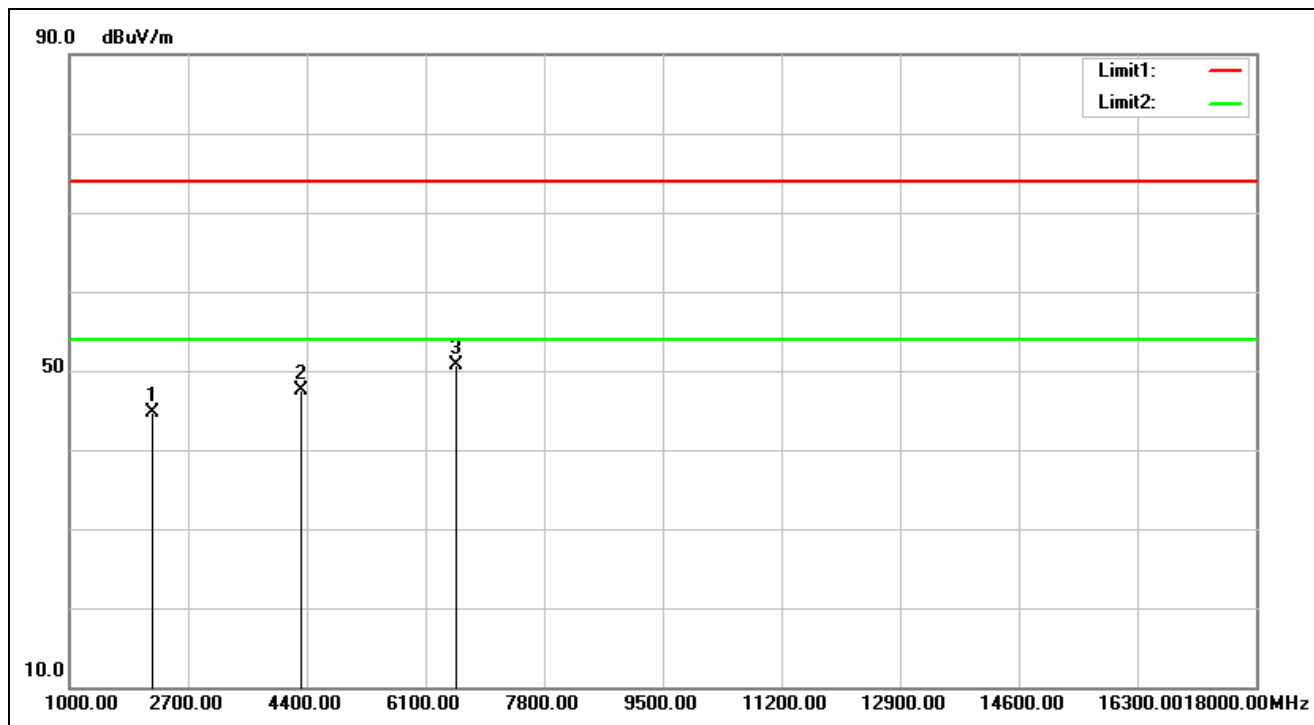
Spurious Emissions, RX Mode, 1-18G



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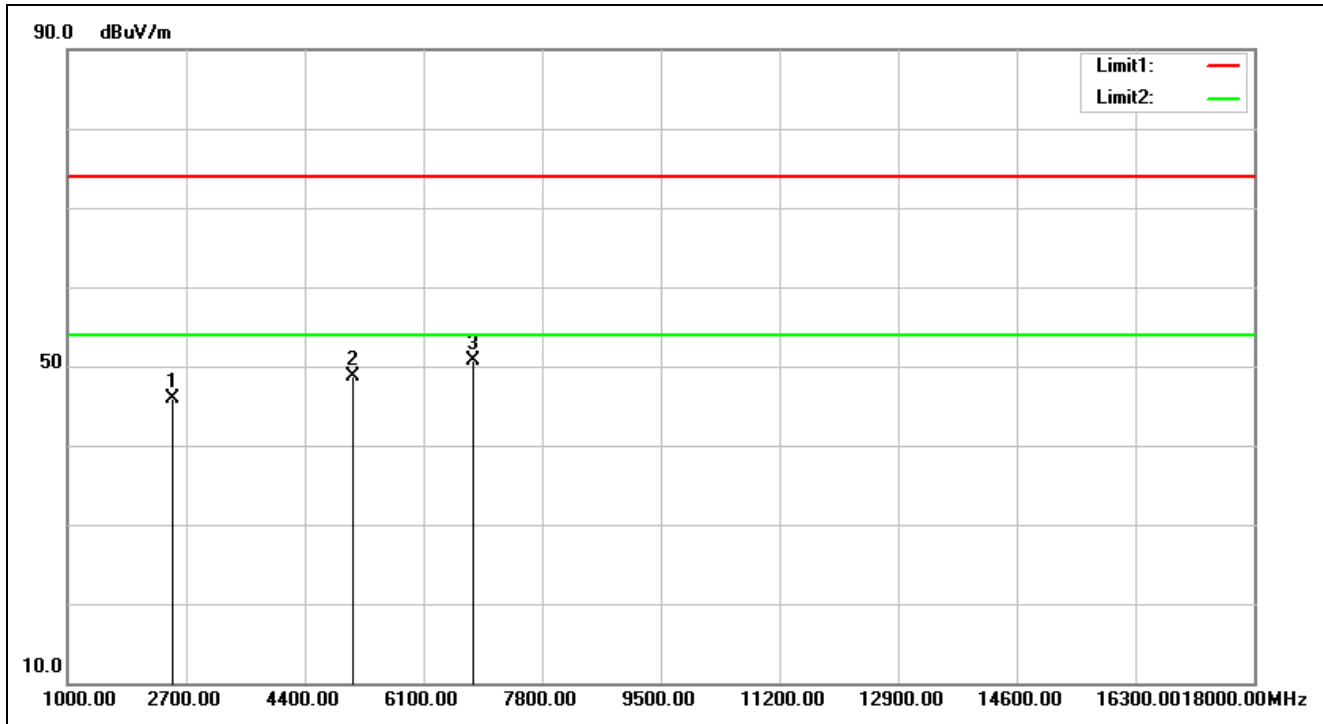
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 09:50:48
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2190.000	-7.12	51.90	44.78	74.00	-29.22	peak	100	184	
2	4315.000	-4.29	51.84	47.55	74.00	-26.45	peak	100	237	
3	6542.000	5.29	45.36	50.65	74.00	-23.35	peak	100	152	

Spurious Emissions, RX Mode, 1-18G



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 09:52:42
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%) :	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2496.000	-7.14	53.14	46.00	74.00	-28.00	peak	100	136	
2	5097.000	-1.72	50.44	48.72	74.00	-25.28	peak	100	167	
3	6814.000	4.98	45.79	50.77	74.00	-23.23	peak	100	294	

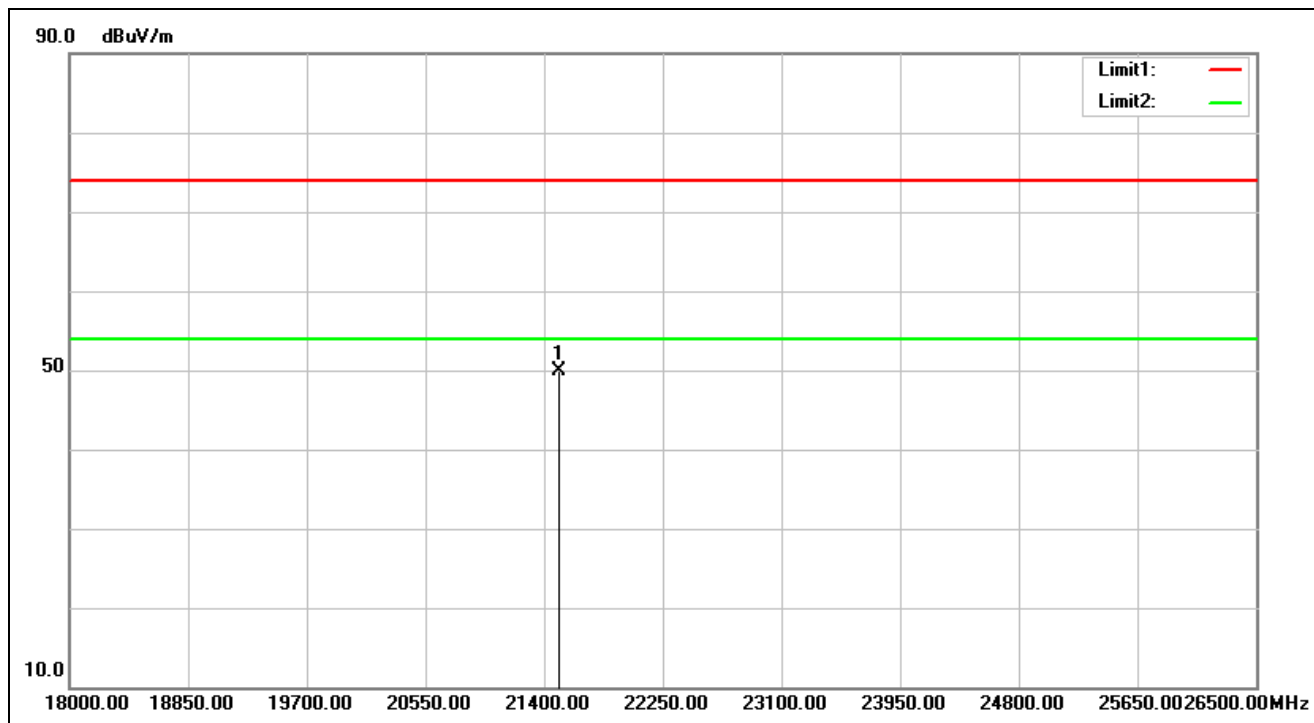
Spurious Emissions, RX Mode, 18-26G



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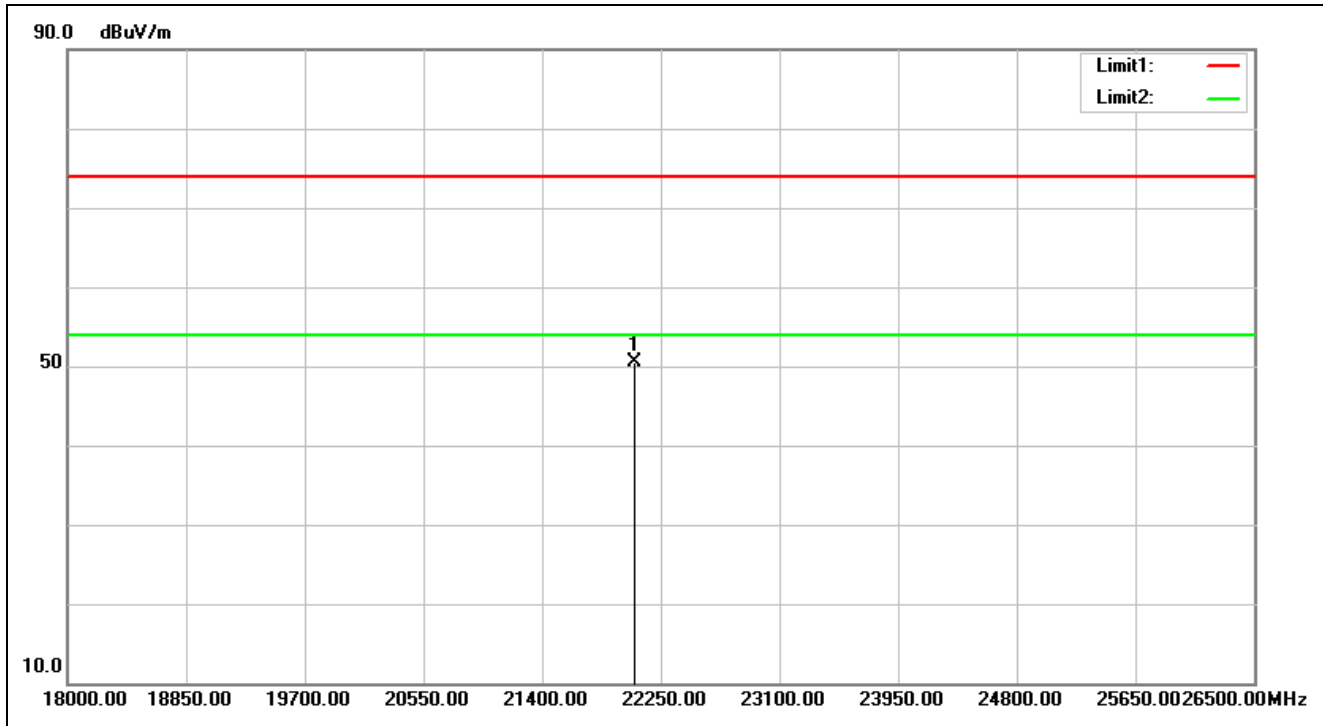
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Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:28:05
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21502.000	32.03	17.83	49.86	74.00	-24.14	peak	100	232	



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:29:59
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	23.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22063.000	32.54	17.94	50.48	74.00	-23.52	peak	100	84	

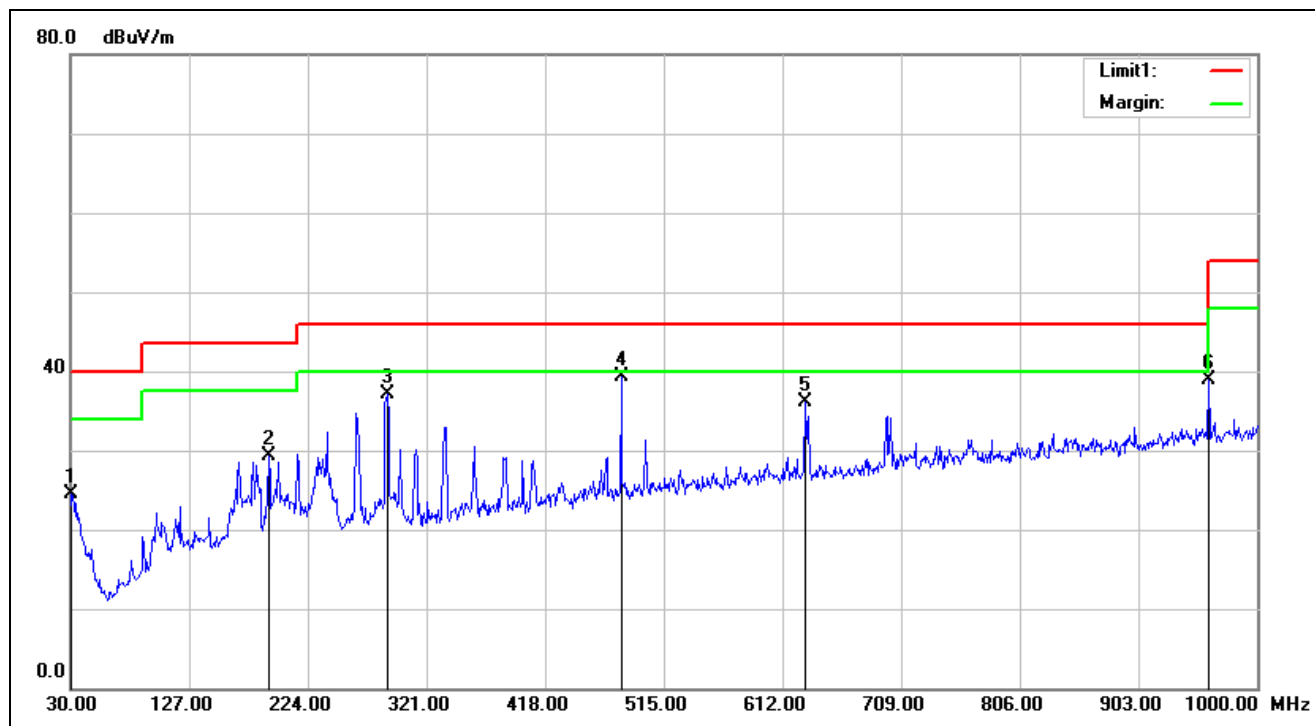
Spurious Emissions, RX Mode, 30M-1G



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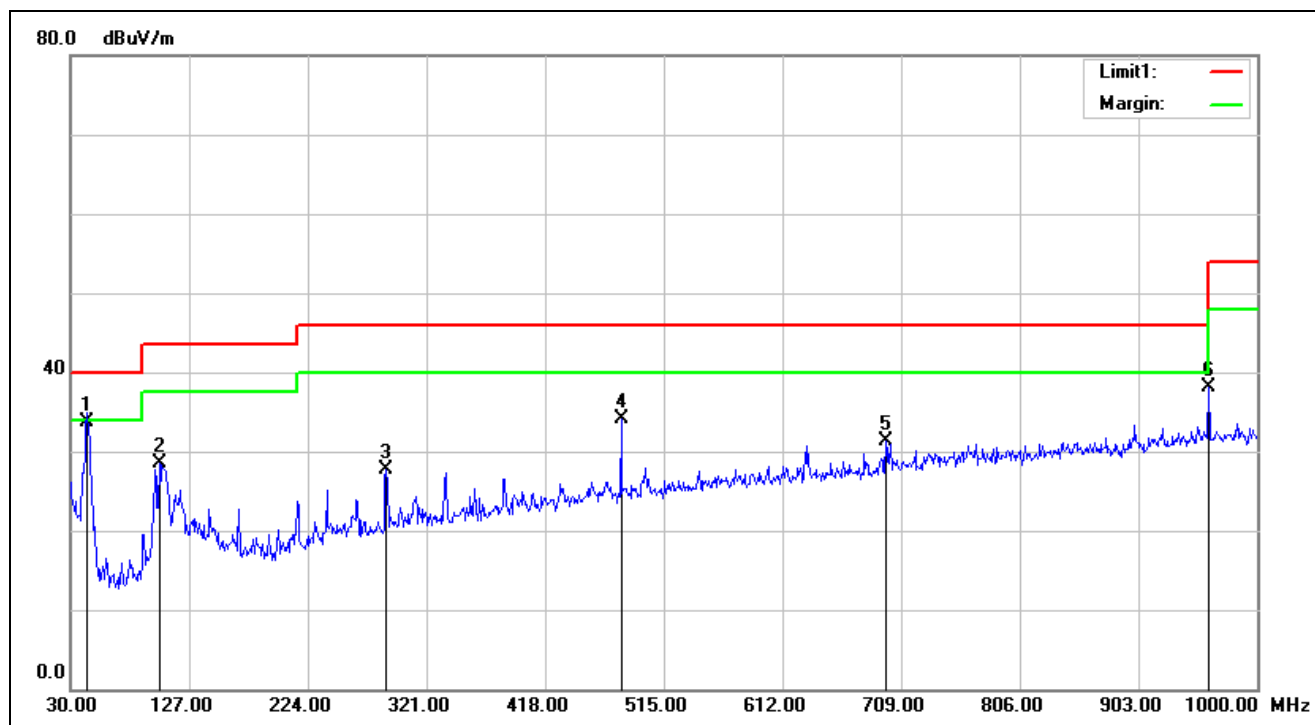
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Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/9/7 10:52:49
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.78	24.53	40.00	-15.47	QP	300	243	
2	191.9900	-9.42	38.71	29.29	43.50	-14.21	QP	200	315	
3	288.9900	-4.83	41.96	37.13	46.00	-8.87	QP	200	285	
4	480.0800	-1.47	40.73	39.26	46.00	-6.74	QP	200	229	
5	630.4299	0.35	35.77	36.12	46.00	-9.88	QP	100	216	
6	960.2300	5.54	33.31	38.85	54.00	-15.15	QP	100	256	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/9/7 10:57:52
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	43.5800	-7.96	41.64	33.68	40.00	-6.32	QP	100	285	
2	102.7500	-9.14	37.56	28.42	43.50	-15.08	QP	100	272	
3	288.0200	-4.88	32.62	27.74	46.00	-18.26	QP	100	232	
4	480.0800	-1.47	35.54	34.07	46.00	-11.93	QP	100	189	
5	696.3900	1.22	30.05	31.27	46.00	-14.73	QP	200	192	
6	960.2300	5.54	32.66	38.20	54.00	-15.80	QP	100	173	

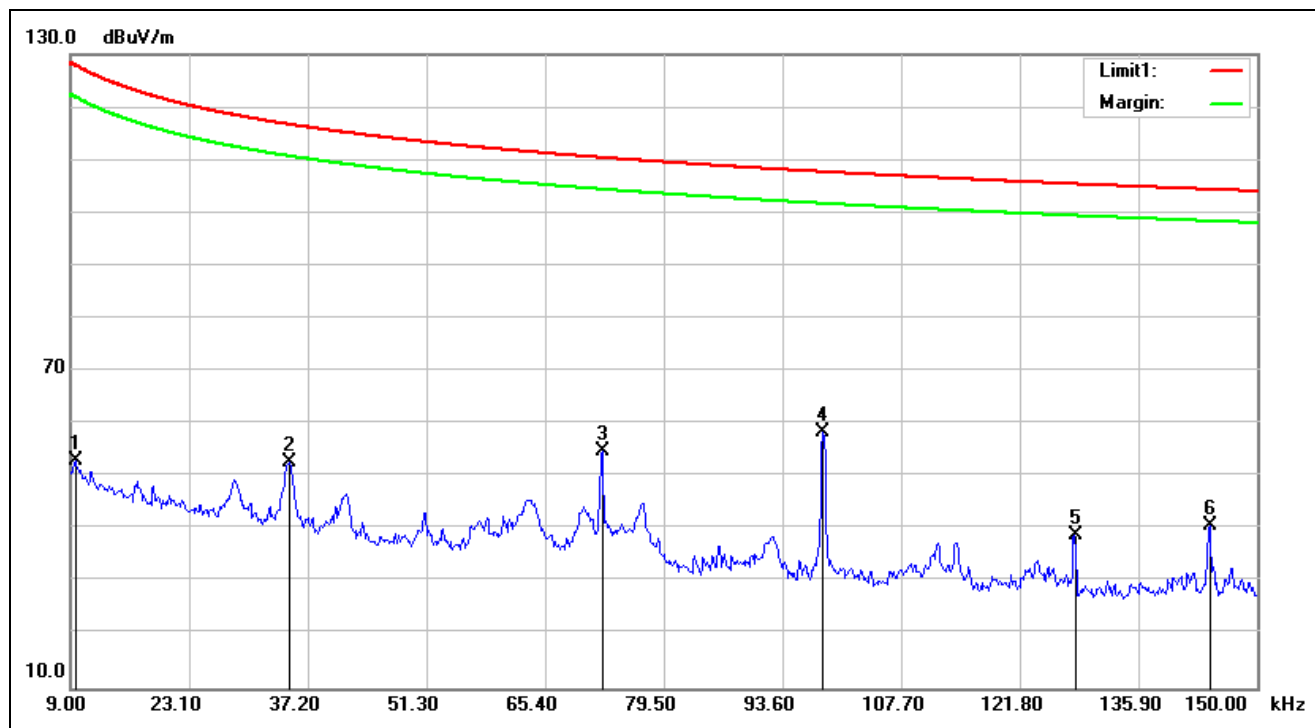
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

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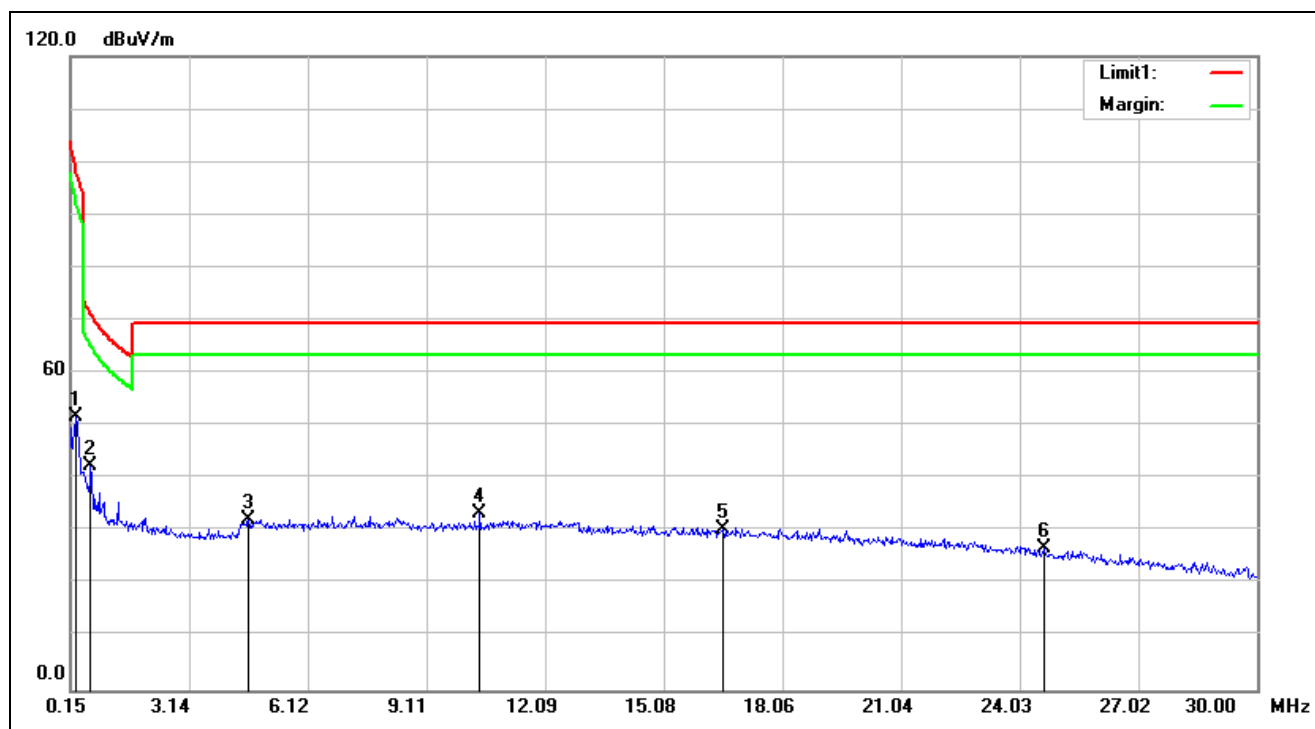
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Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/9/7 21:47:49
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%)	22.4(°C)/52 %
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	19.77	33.29	53.06	127.94	-74.88	QP	100	138	
2	0.0349	19.96	32.65	52.61	116.73	-64.12	QP	100	257	
3	0.0722	19.30	35.52	54.82	110.42	-55.60	QP	100	102	
4	0.0984	19.14	39.18	58.32	107.74	-49.42	QP	100	269	
5	0.1283	19.10	19.96	39.06	105.43	-66.37	QP	100	134	
6	0.1444	19.09	21.66	40.75	104.41	-63.66	QP	100	225	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114068357	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/9/7 21:49:56
Applicant:	InnoComm Mobile	Test Rating:	DC 5V
Product:	BLE Single Mode Module	Temp.(°C)/Hum.(%):	22.4(°C)/52%
Model No.:	BM10_AN R2	Test Engineer:	Kai Wang
Test Mode:	2440-Rx		
Remark:	LE 1M		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.2993	18.94	32.86	51.80	98.08	-46.28	QP	100	254	
2	0.6575	18.90	23.62	42.52	71.25	-28.73	QP	100	109	
3	4.6275	19.53	12.85	32.38	69.50	-37.12	QP	100	227	
4	10.4483	20.30	13.13	33.43	69.50	-36.07	QP	100	95	
5	16.5675	21.38	9.20	30.58	69.50	-38.92	QP	100	115	
6	24.6569	22.30	4.56	26.86	69.50	-42.64	QP	100	324	