

# Test Report No.10044669 001

## Appendix D: Radiated and Mains Spurious Emission Data

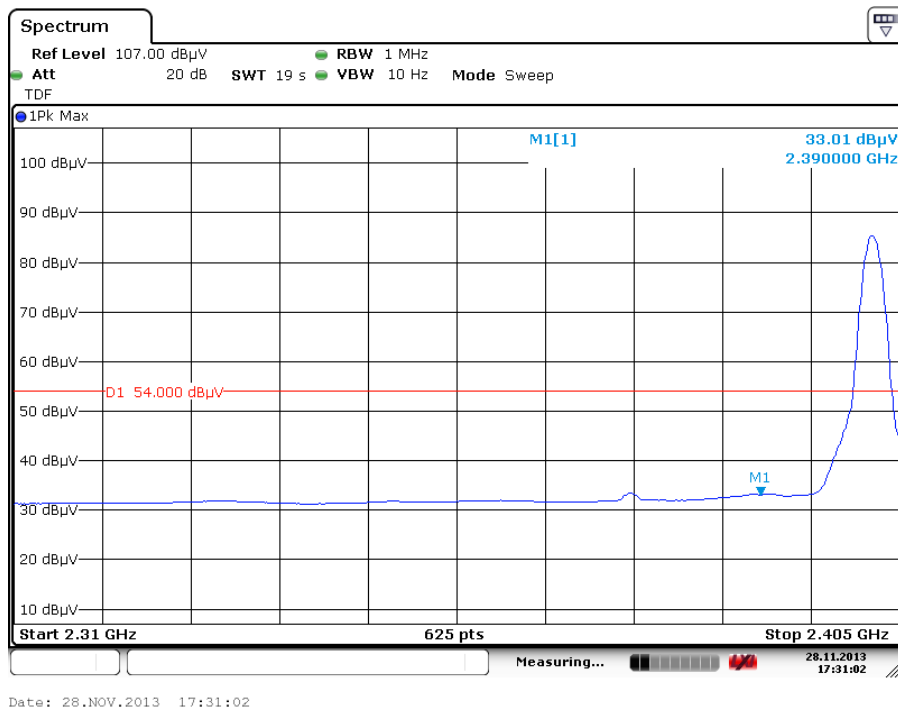
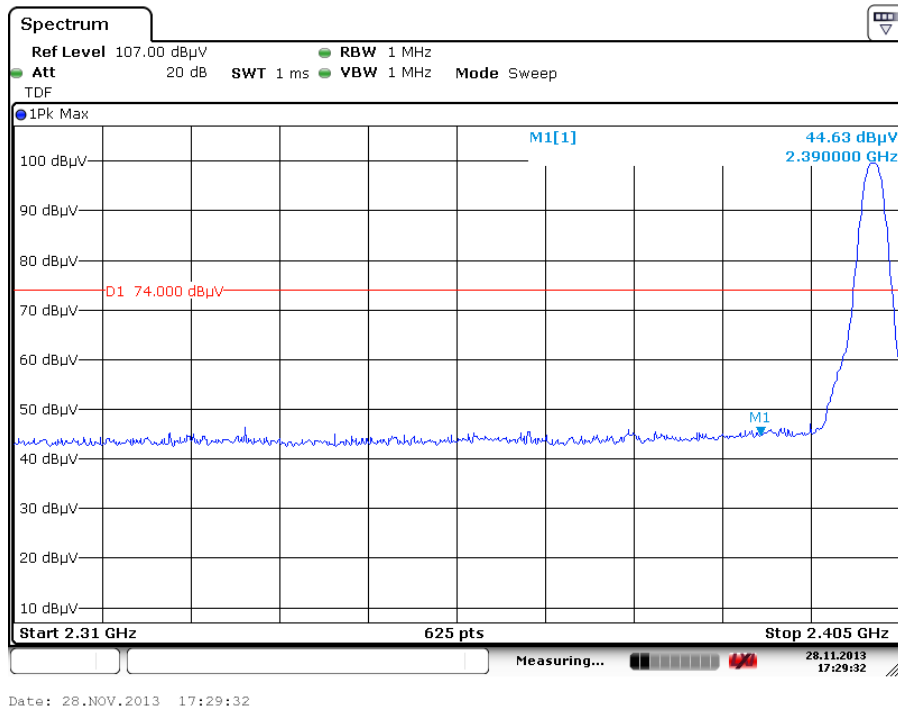
(File: 10044669AppendixD)

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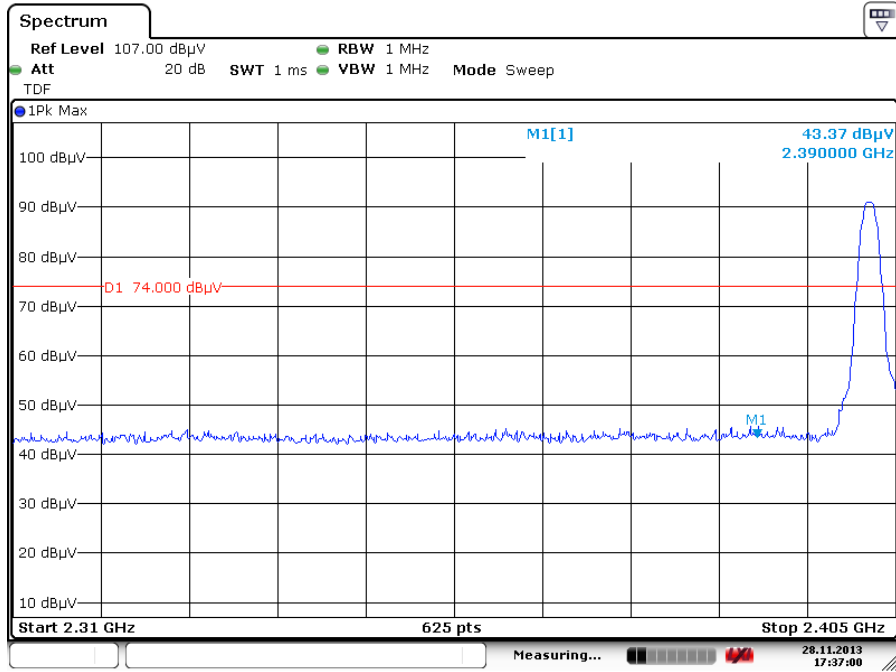
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# Radiated Bandedge (GFSK)

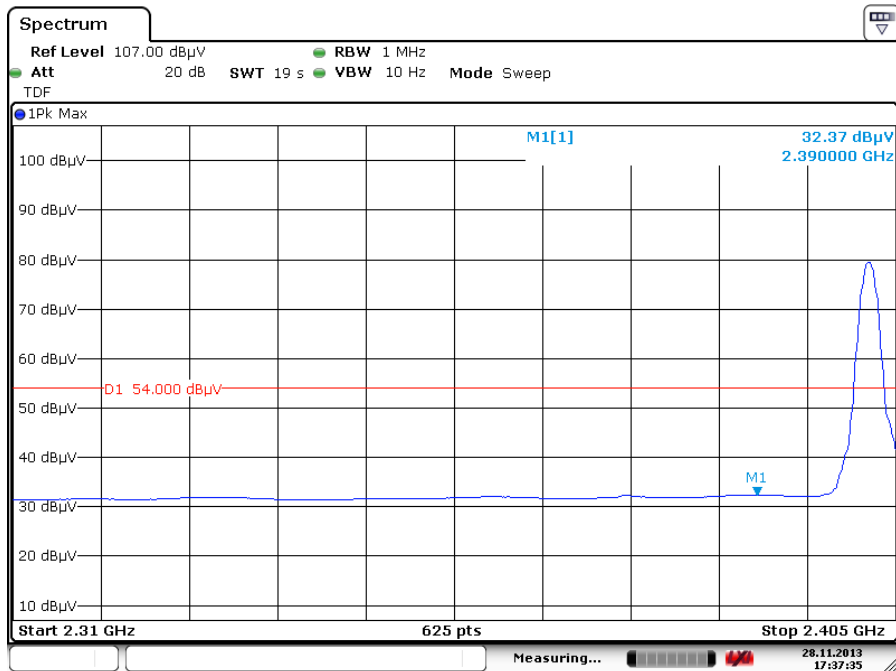
Low Channel (Hor)



# Low Channel (Ver)



Date: 28.NOV.2013 17:37:00

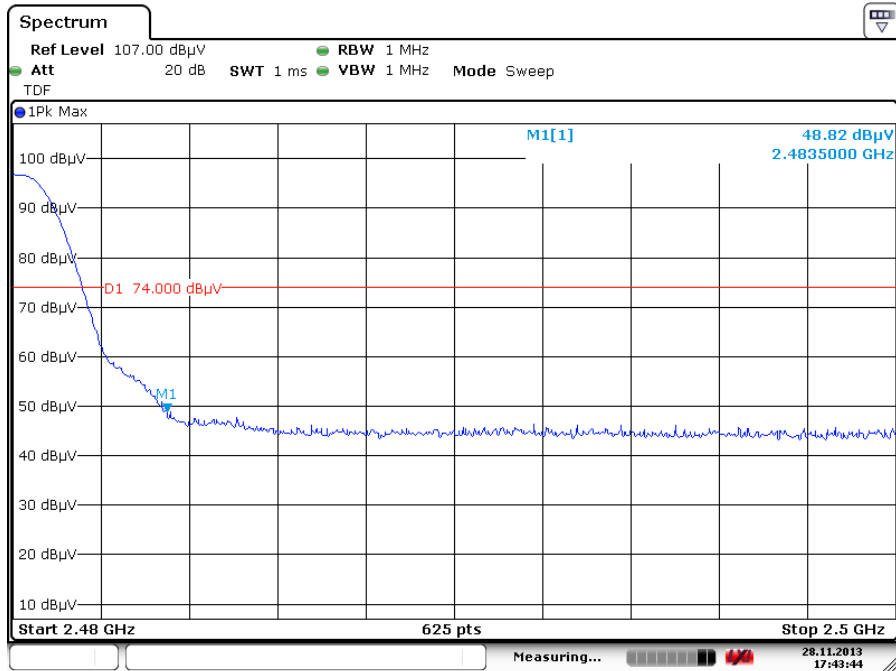


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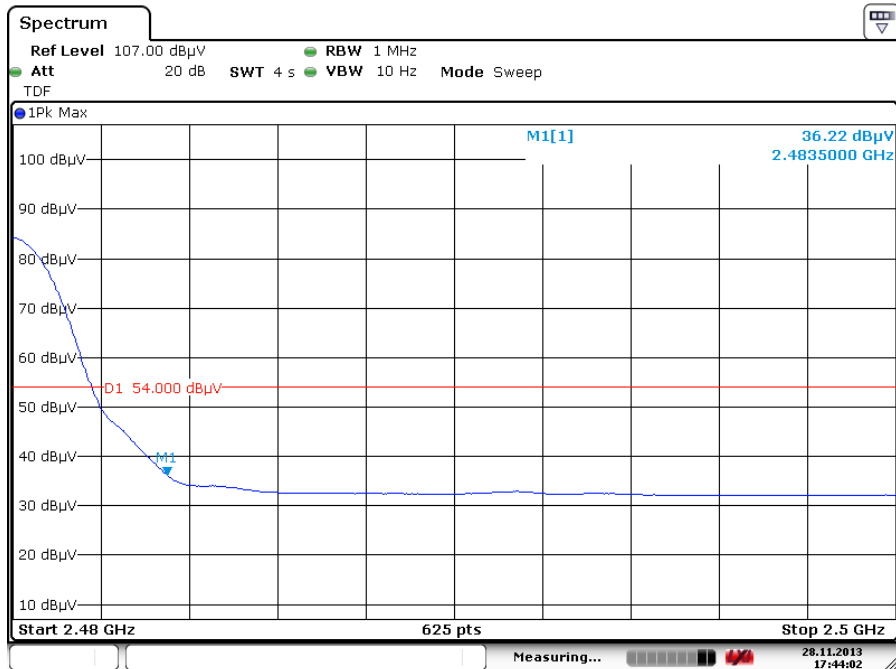
# Spurious Emissions, Band Edge, 2.35-2.5G

# Radiated Bandedge (GFSK)

## High Channel (Hor)



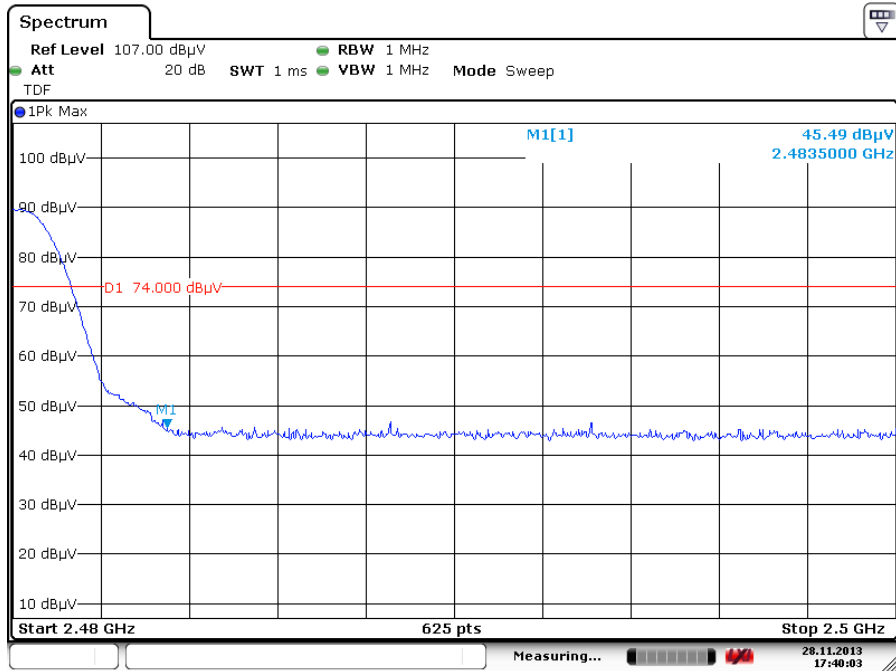
Date: 28.NOV.2013 17:43:45



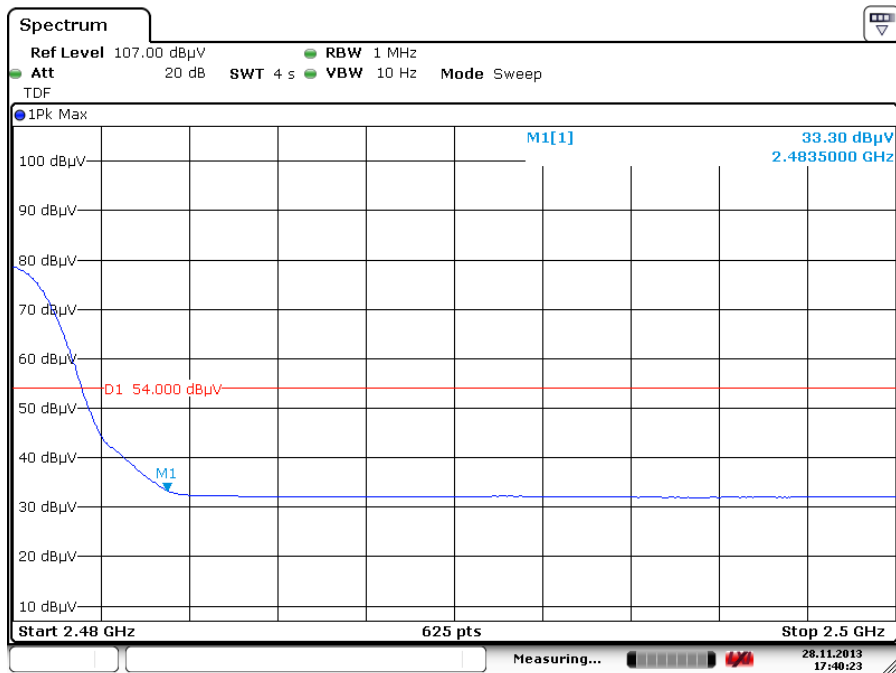
Date: 28.NOV.2013 17:44:03

## Spurious Emissions, Band Edge, 2.35-2.5G

# High Channel (Ver)



Date: 28.NOV.2013 17:40:03

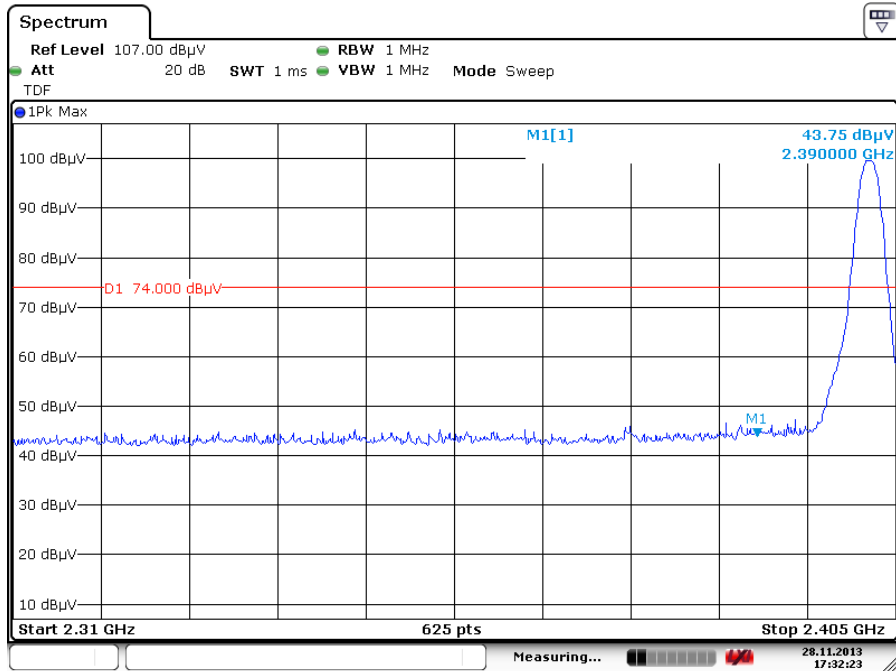


Date: 28.NOV.2013 17:40:24

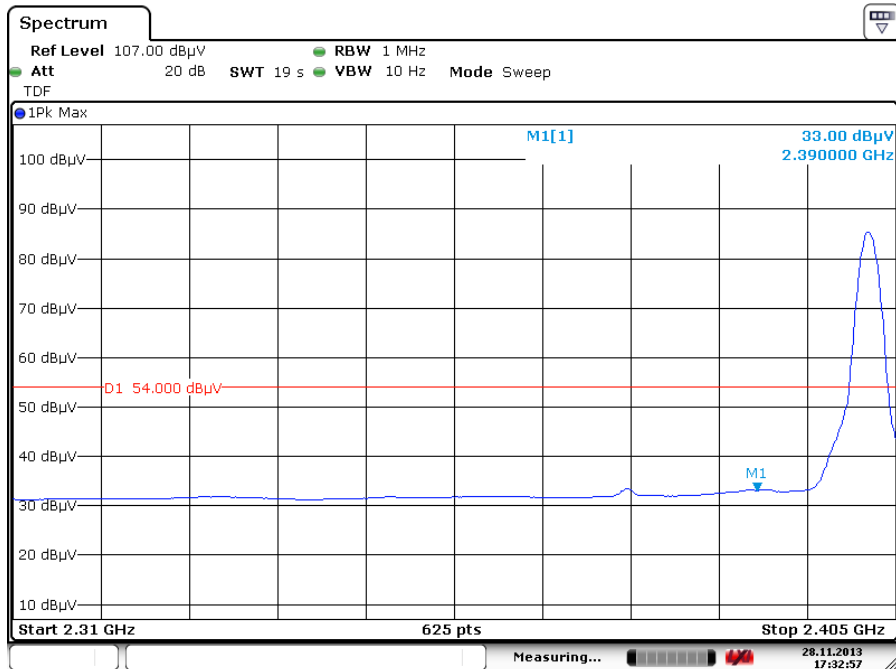
## Spurious Emissions, Band Edge, 2.35-2.5G

# Radiated Bandedge (8DPSK)

## Low Channel (Hor)



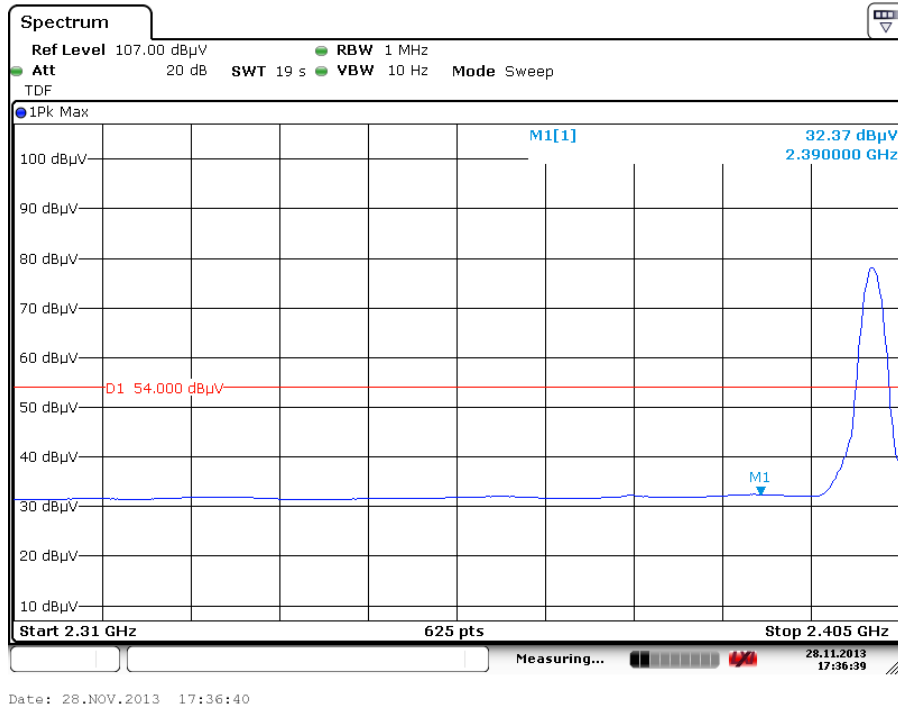
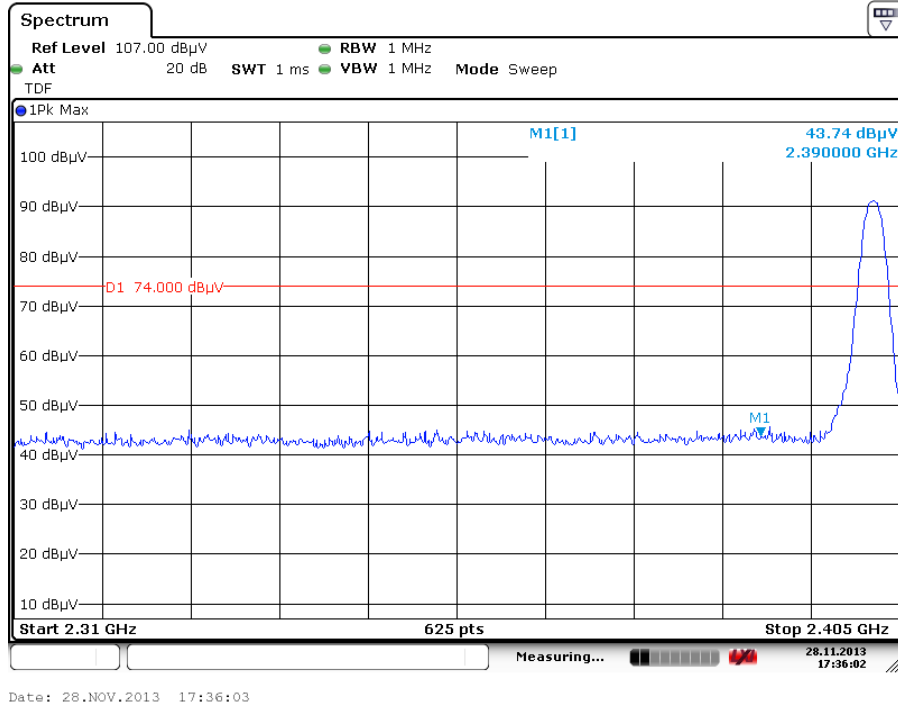
Date: 28.NOV.2013 17:32:23



Date: 28.NOV.2013 17:32:57

## Spurious Emissions, Band Edge, 2.35-2.5G

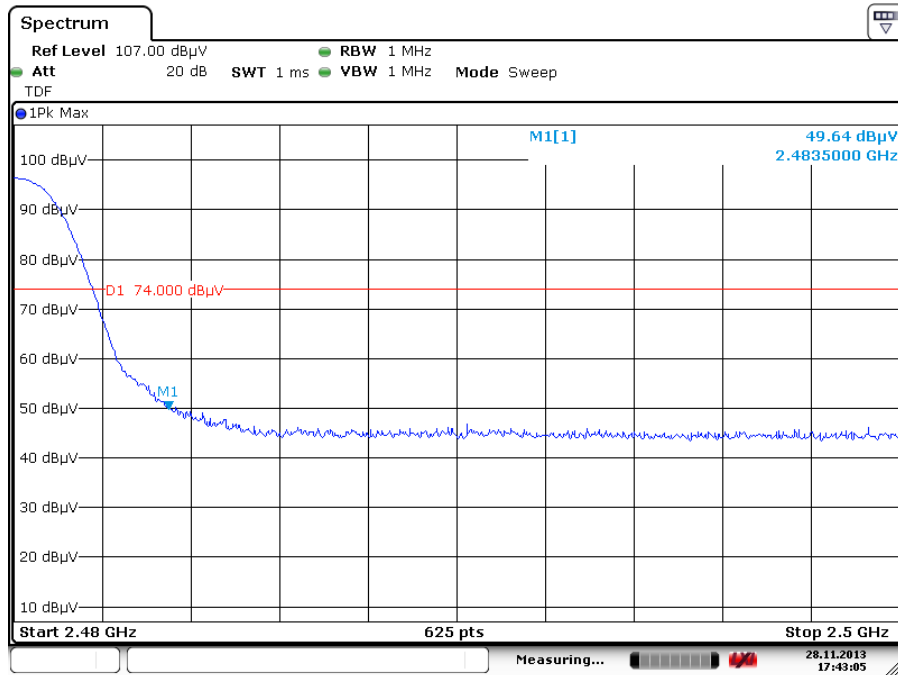
# Low Channel (Ver)



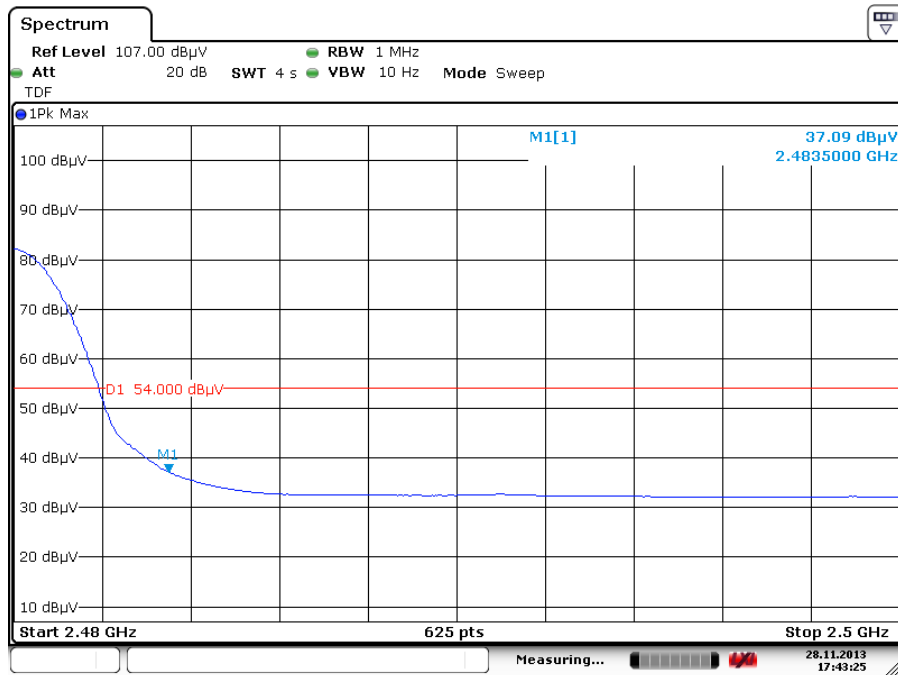
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# Radiated Bandedge (8DPSK)

## High Channel (Hor)



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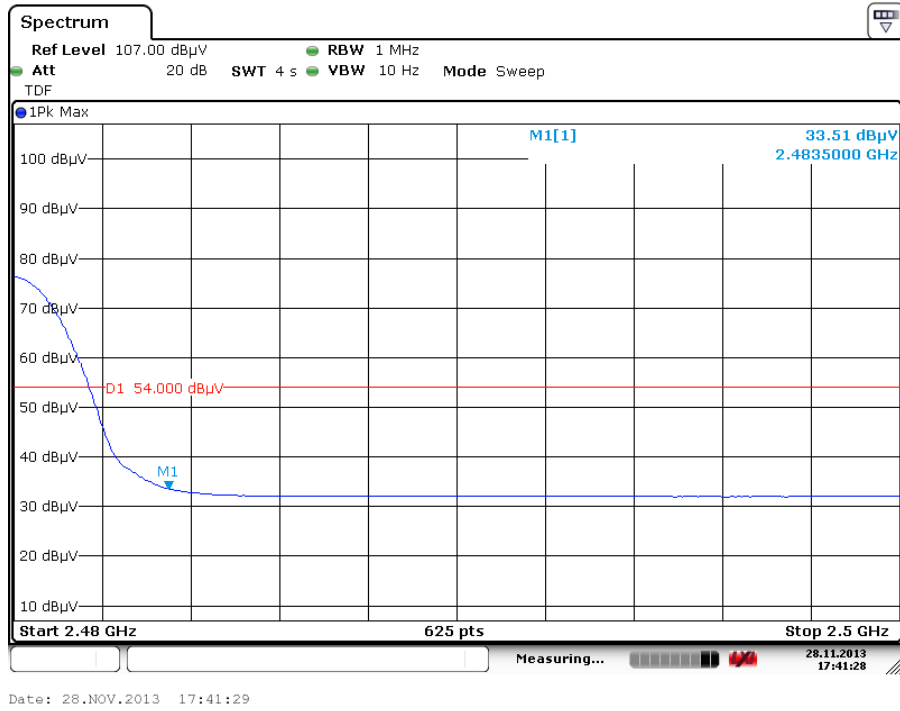
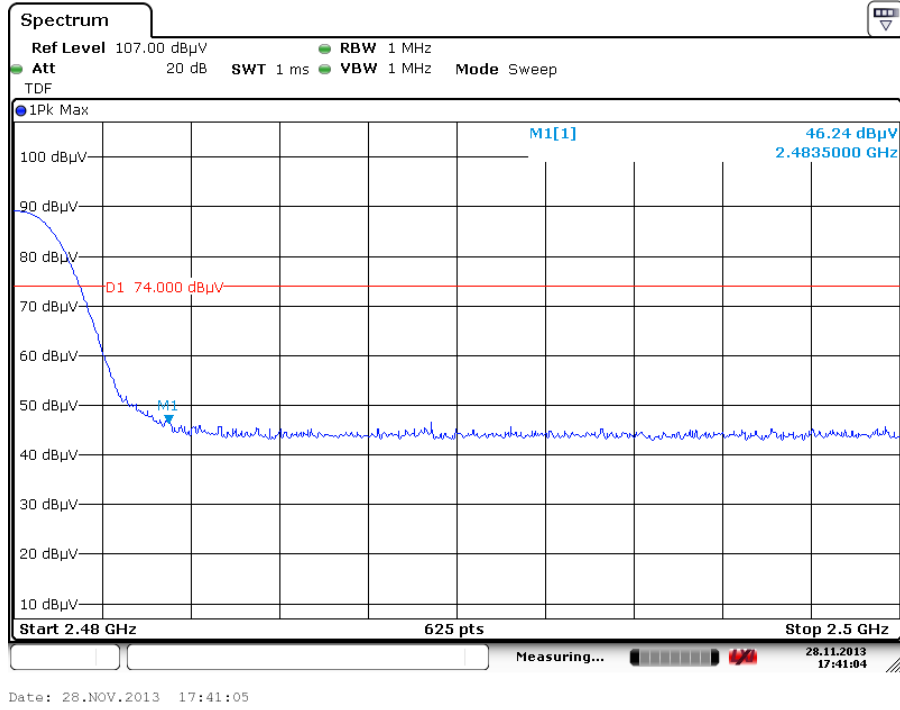


Date: 28.NOV.2013 17:43:25

## Spurious Emissions, Band Edge, 2.35-2.5G



# High Channel (Ver)

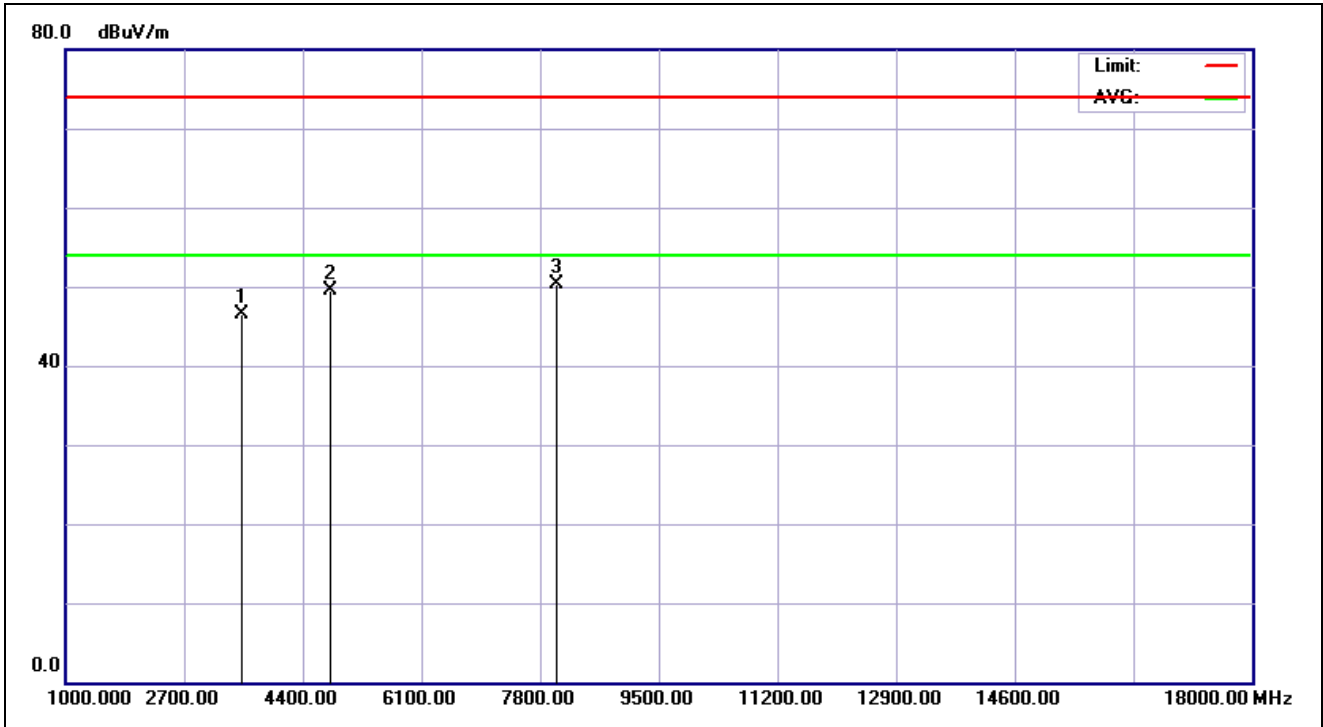


# Spurious Emissions, Band Edge, 2.35-2.5G

# Spurious Emissions, TX Mode, 1-18G

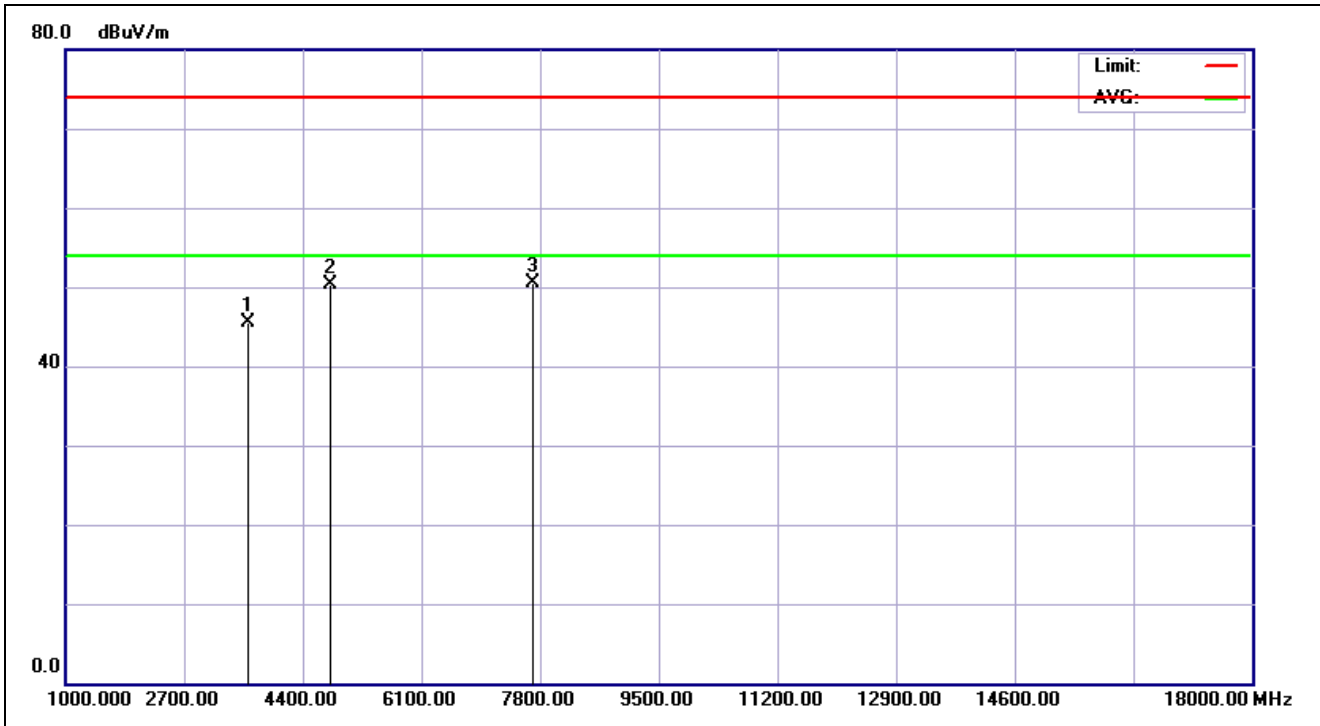


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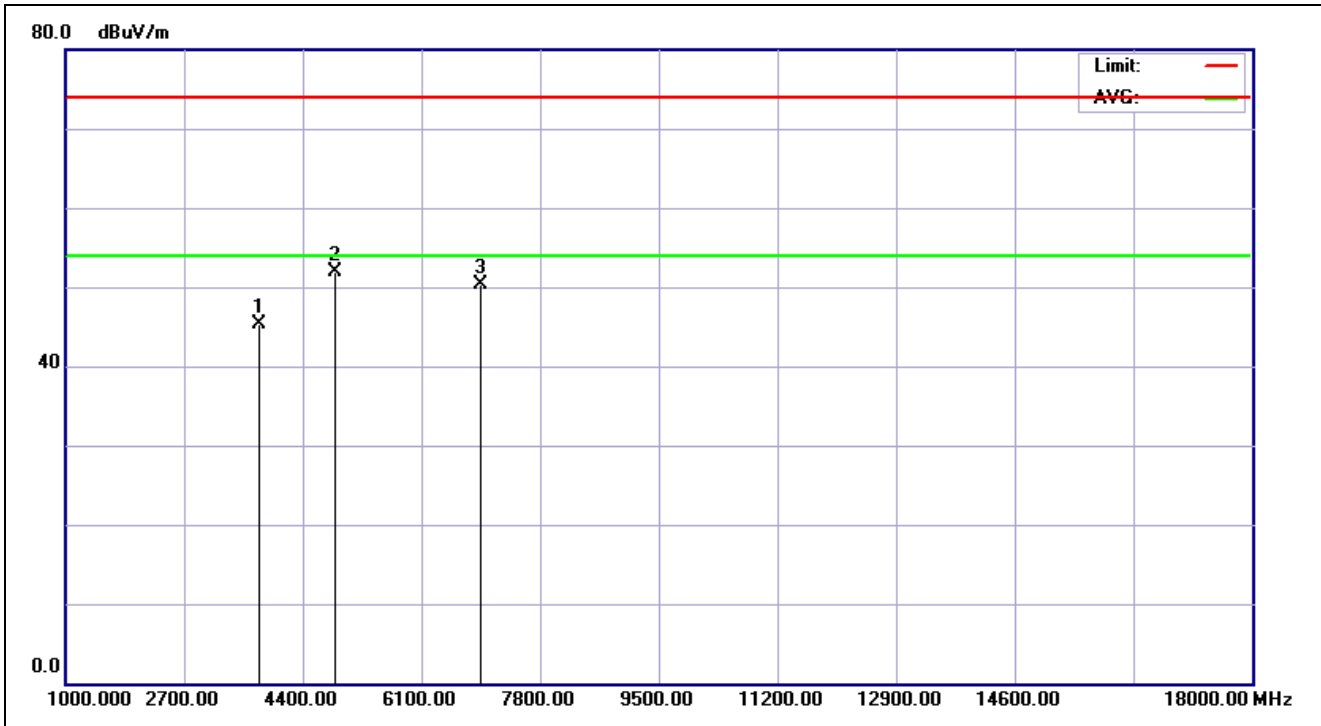
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:37:49</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2402</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3533.654	-5.62	52.03	46.41	74.00	-27.59	peak	100	64	
2	4786.859	-2.64	52.19	49.55	74.00	-24.45	peak	100	303	
3	8028.846	6.04	44.22	50.26	74.00	-23.74	peak	100	269	



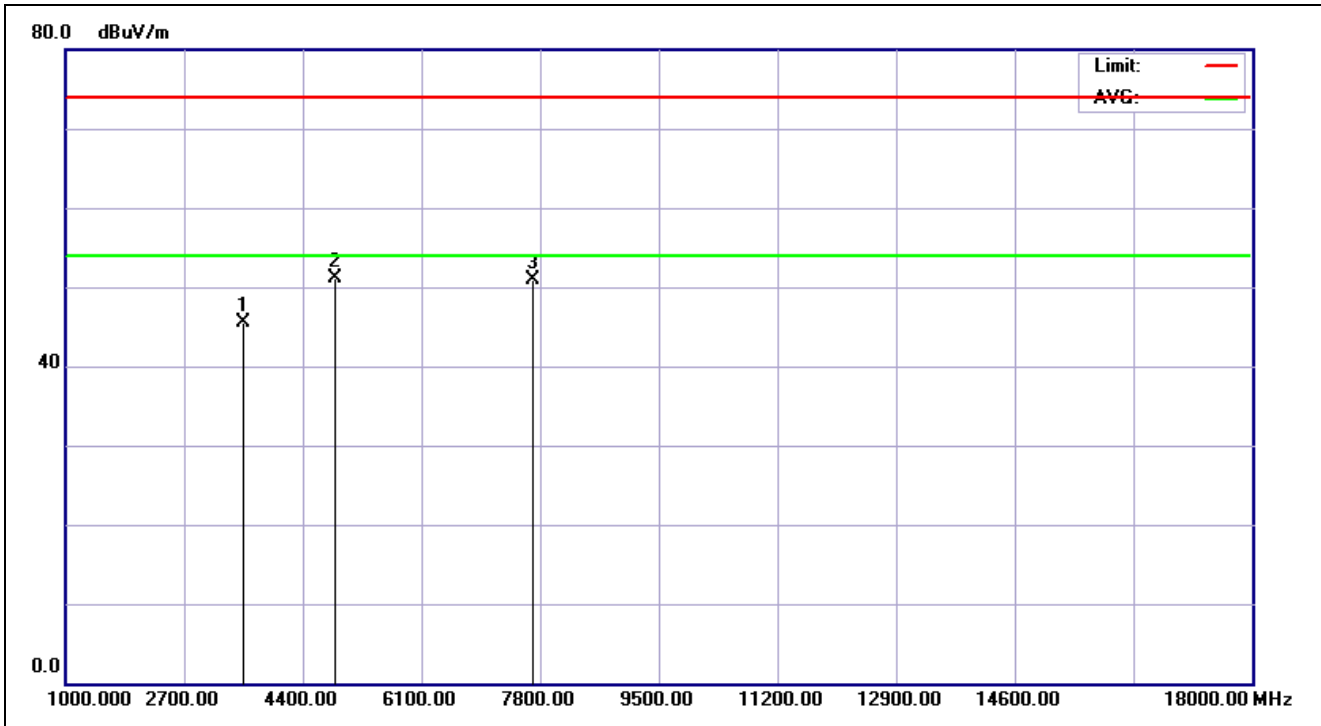
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:38:51</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2402</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3615.385	-5.55	51.15	45.60	74.00	-28.40	peak	100	347	
2	4786.859	-2.64	52.94	50.30	74.00	-23.70	peak	100	240	
3	7701.923	6.16	44.41	50.57	74.00	-23.43	peak	100	12	



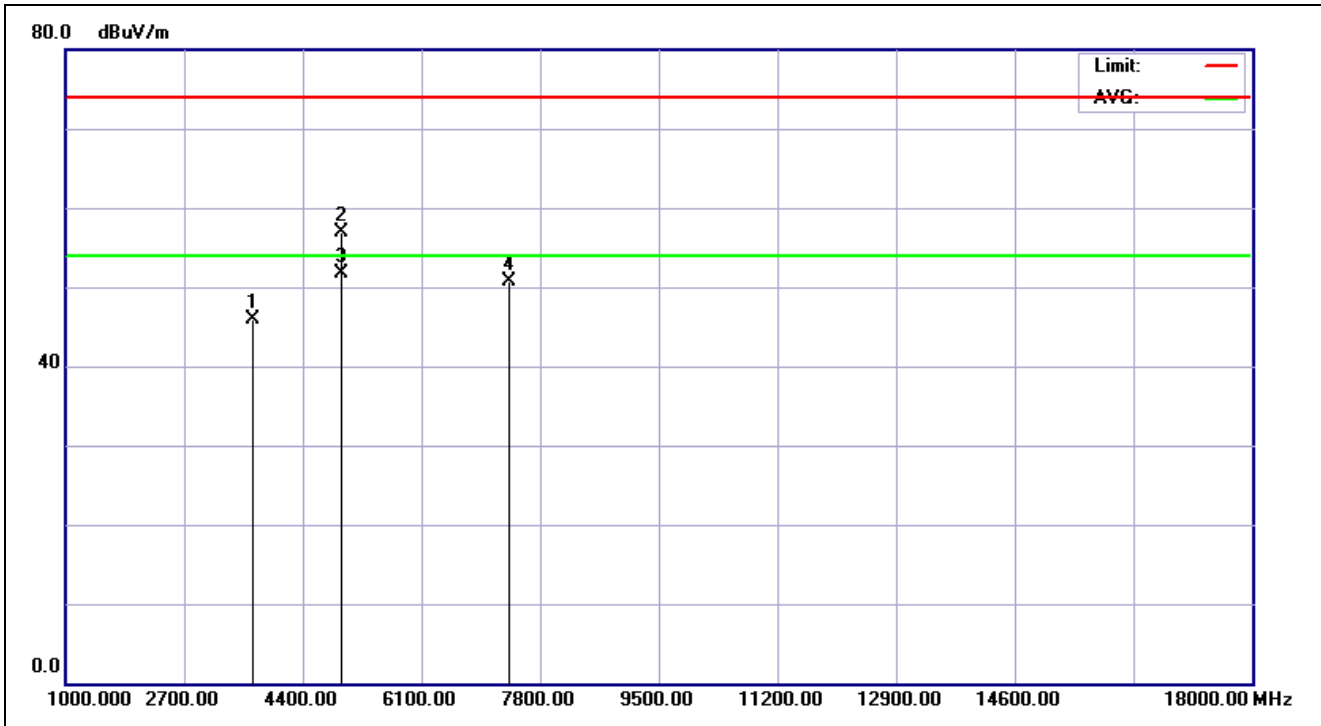
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:40:52</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2441</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3778.846	-5.45	50.83	45.38	74.00	-28.62	peak	100	134	
2	4868.590	-2.42	54.39	51.97	74.00	-22.03	peak	100	288	
3	6939.102	4.94	45.35	50.29	74.00	-23.71	peak	100	22	



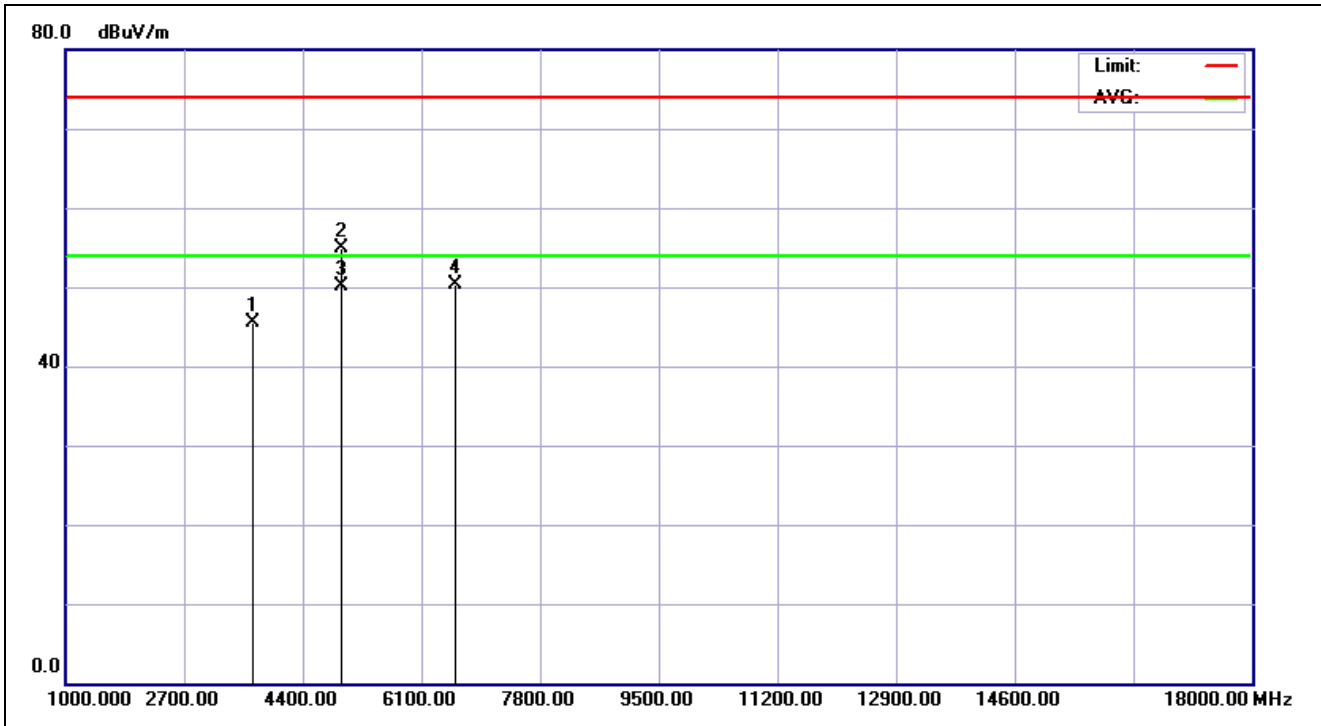
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:41:54</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2441</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3560.897	-5.60	51.12	45.52	74.00	-28.48	peak	100	243	
2	4868.590	-2.42	53.43	51.01	74.00	-22.99	peak	100	117	
3	7701.923	6.16	44.82	50.98	74.00	-23.02	peak	100	245	



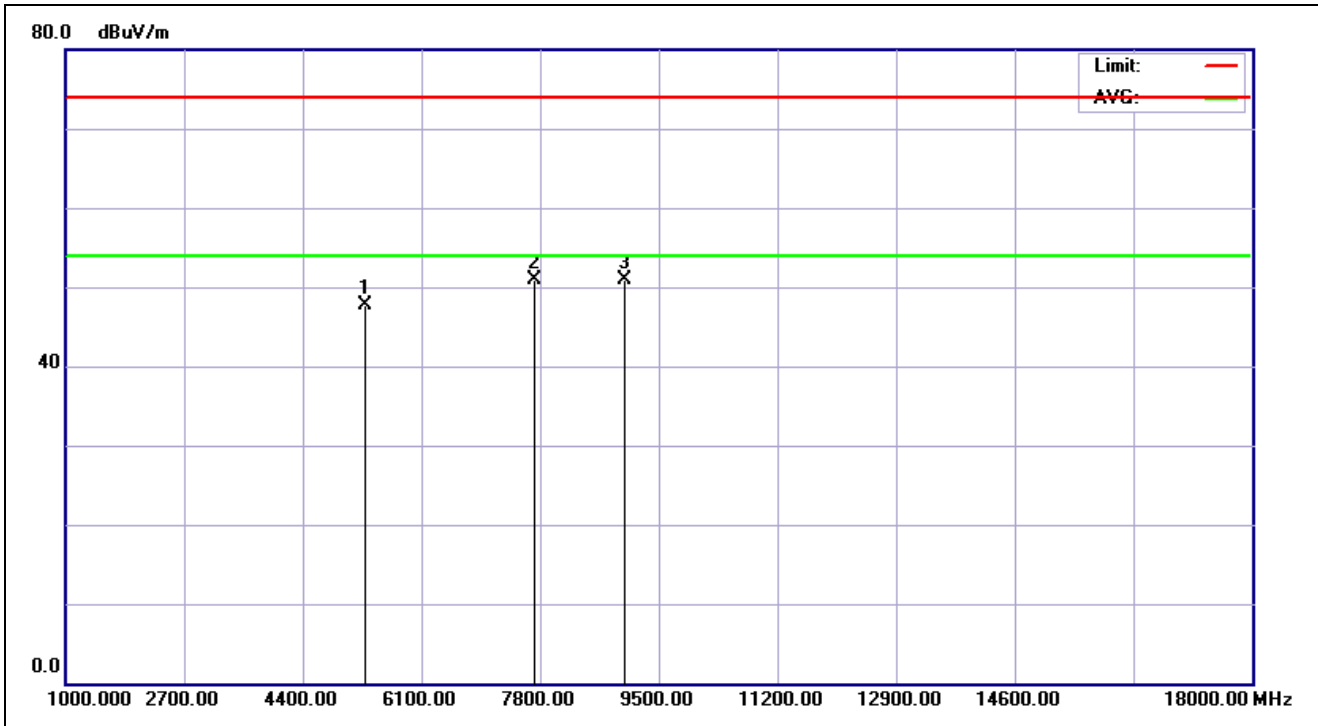
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:43:53</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3697.115	-5.50	51.31	45.81	74.00	-28.19	peak	100	0	
2	4950.320	-2.21	59.05	56.84	74.00	-17.16	peak	100	296	
3	4950.320	-2.21	53.96	51.75	54.00	-2.25	AVG	100	296	
4	7347.756	5.84	44.90	50.74	74.00	-23.26	peak	100	320	



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:44:55</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2480</b>		
<b>Remark:</b>			

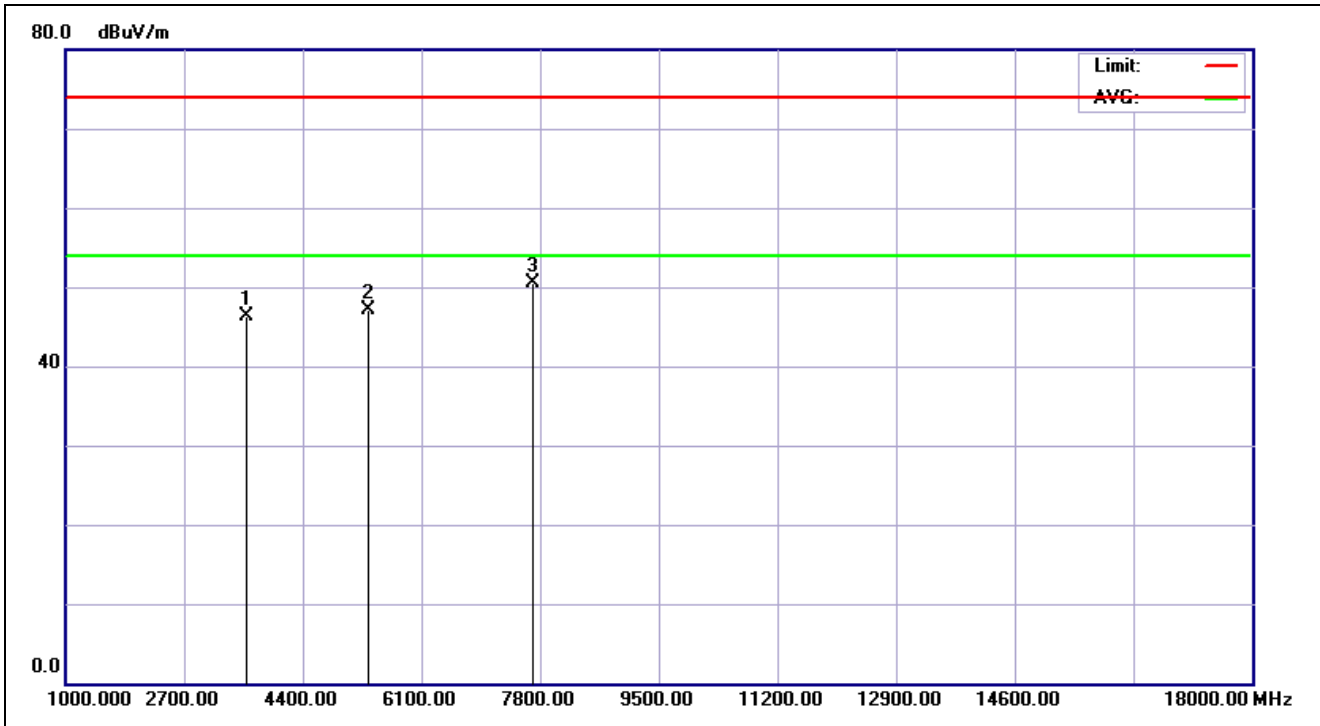
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3697.115	-5.50	50.95	45.45	74.00	-28.55	peak	100	202	
2	4950.321	-2.21	57.03	54.82	74.00	-19.18	peak	100	144	
3	4950.321	-2.21	52.29	50.08	54.00	-3.92	AVG	100	144	
4	6584.936	5.36	45.01	50.37	74.00	-23.63	peak	100	357	



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:51:26</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2402</b>		
<b>Remark:</b>			

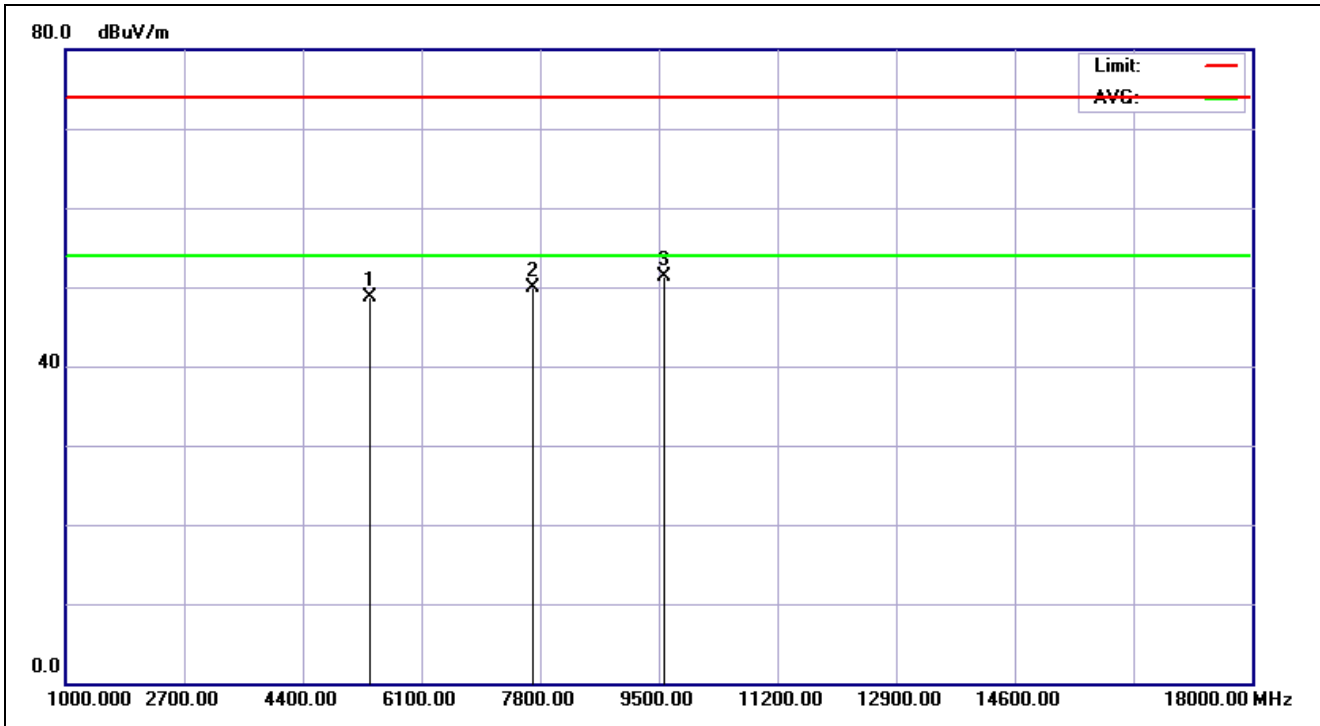
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5304.487	-0.61	48.36	47.75	74.00	-26.25	peak	100	9	
2	7729.167	6.15	44.79	50.94	74.00	-23.06	peak	100	197	
3	9009.615	6.87	44.00	50.87	74.00	-23.13	peak	100	235	





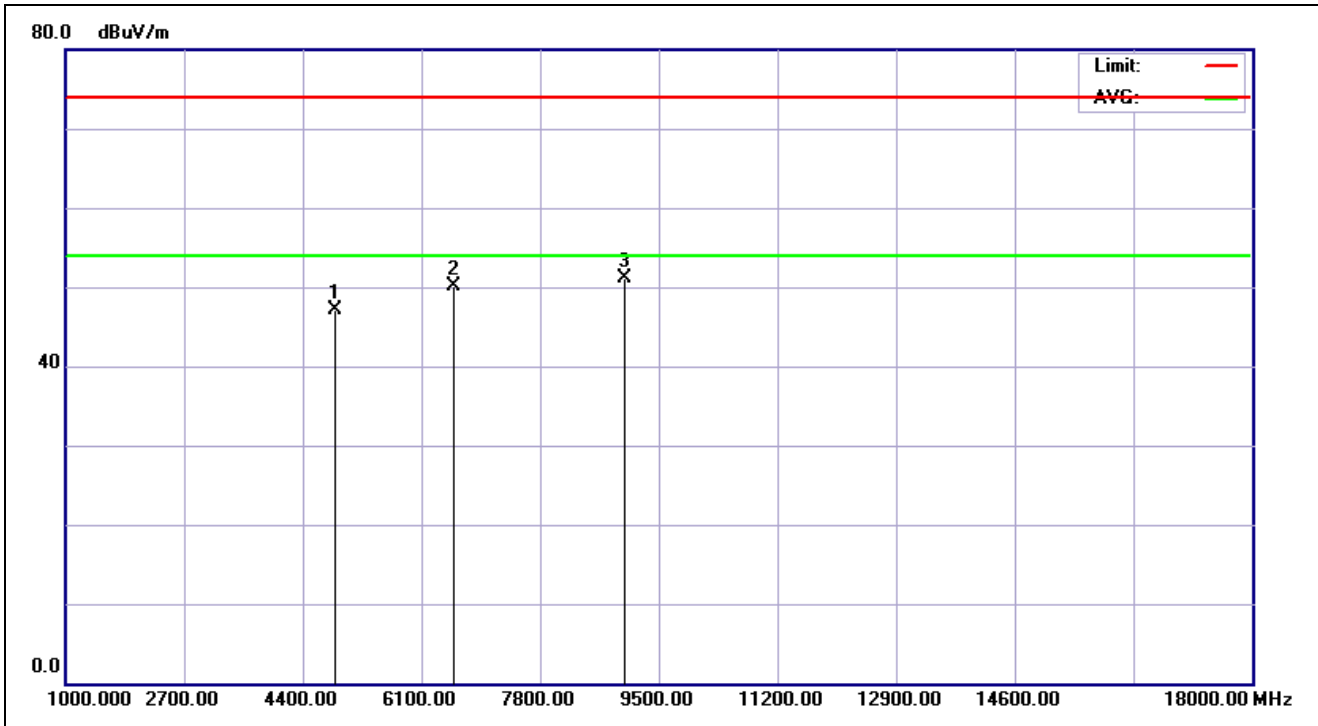
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<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:52:29</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2402</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3588.141	-5.57	51.95	46.38	74.00	-27.62	peak	100	6	
2	5331.731	-0.48	47.68	47.20	74.00	-26.80	peak	100	30	
3	7701.923	6.16	44.28	50.44	74.00	-23.56	peak	100	232	



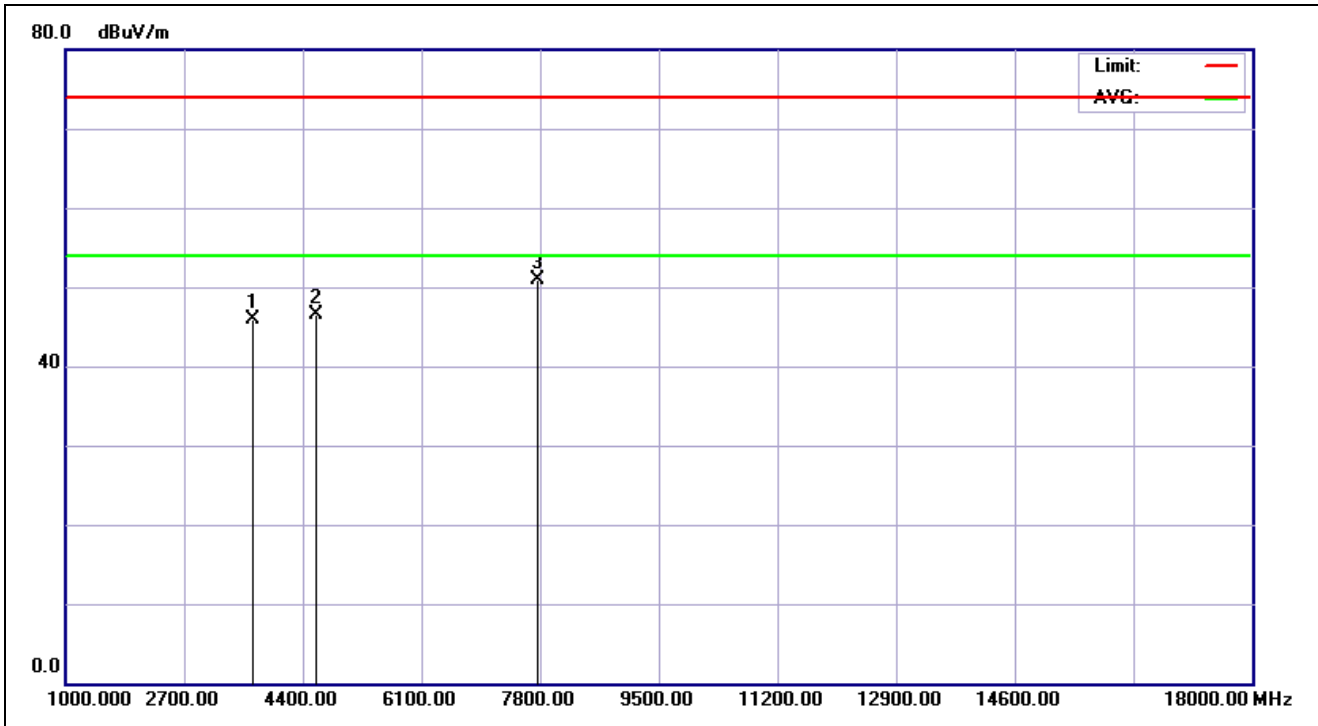
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:54:26</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2441</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5358.974	-0.34	48.97	48.63	74.00	-25.37	peak	100	227	
2	7701.923	6.16	43.81	49.97	74.00	-24.03	peak	100	259	
3	9581.731	6.32	45.02	51.34	74.00	-22.66	peak	100	126	



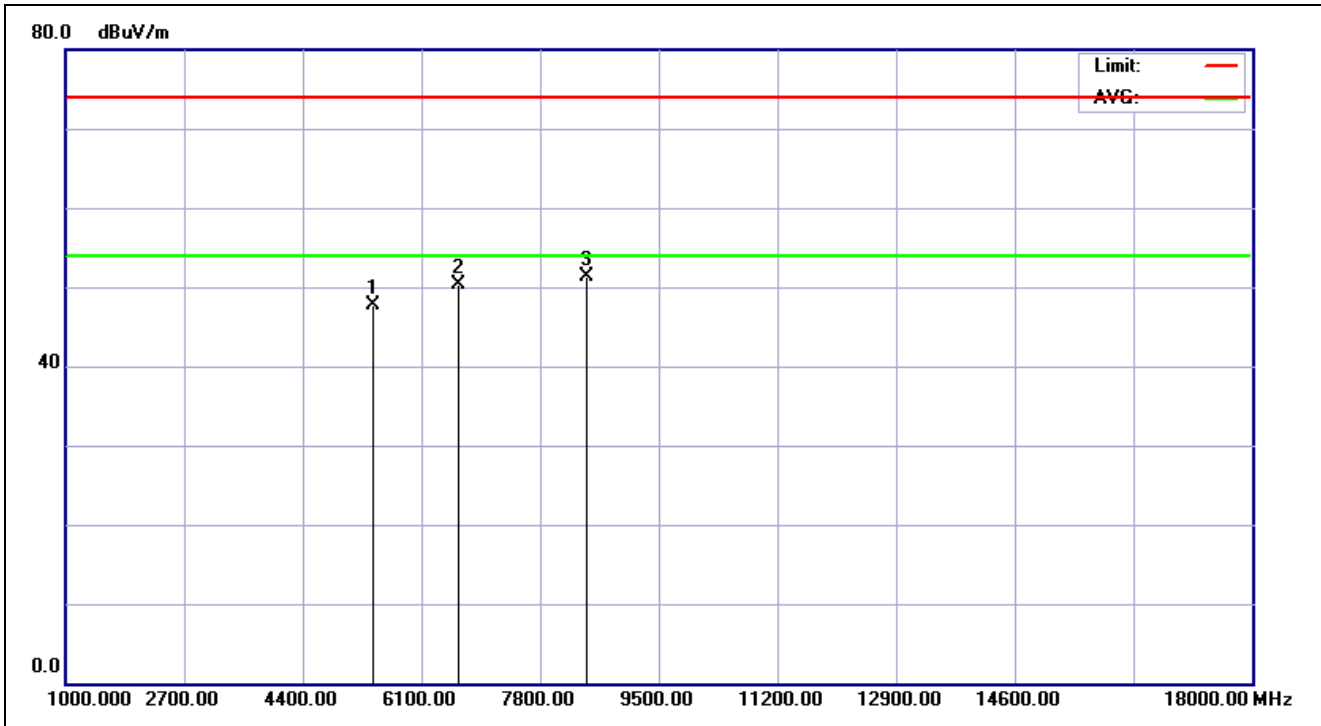
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:55:28</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2441</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4868.590	-2.42	49.44	47.02	74.00	-26.98	peak	100	144	
2	6557.692	5.39	44.75	50.14	74.00	-23.86	peak	100	131	
3	9009.615	6.87	44.20	51.07	74.00	-22.93	peak	100	256	



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:57:18</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3697.115	-5.50	51.48	45.98	74.00	-28.02	peak	100	341	
2	4596.154	-3.12	49.55	46.43	74.00	-27.57	peak	100	16	
3	7756.410	6.13	44.72	50.85	74.00	-23.15	peak	100	285	



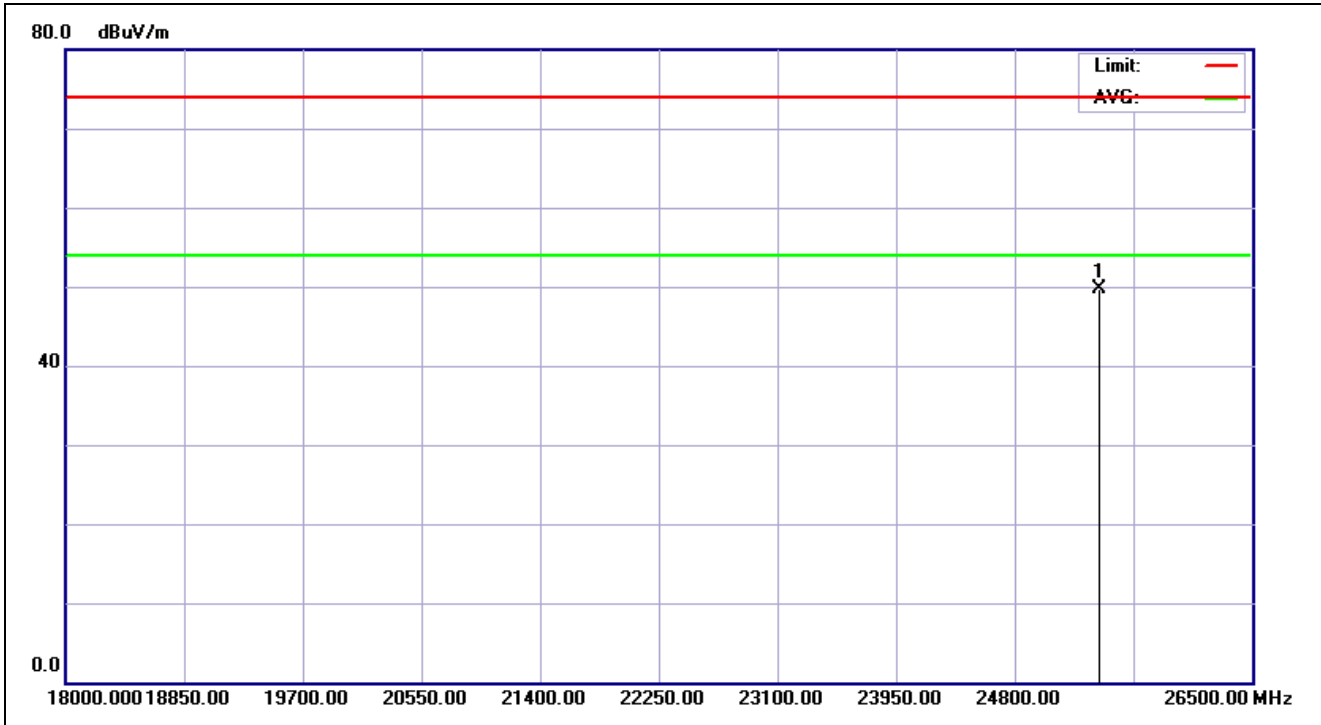
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 18:58:21</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5413.462	-0.09	47.77	47.68	74.00	-26.32	peak	100	358	
2	6639.423	5.29	45.08	50.37	74.00	-23.63	peak	100	51	
3	8464.744	6.41	44.97	51.38	74.00	-22.62	peak	100	83	

# Spurious Emissions, TX Mode, 18-26G

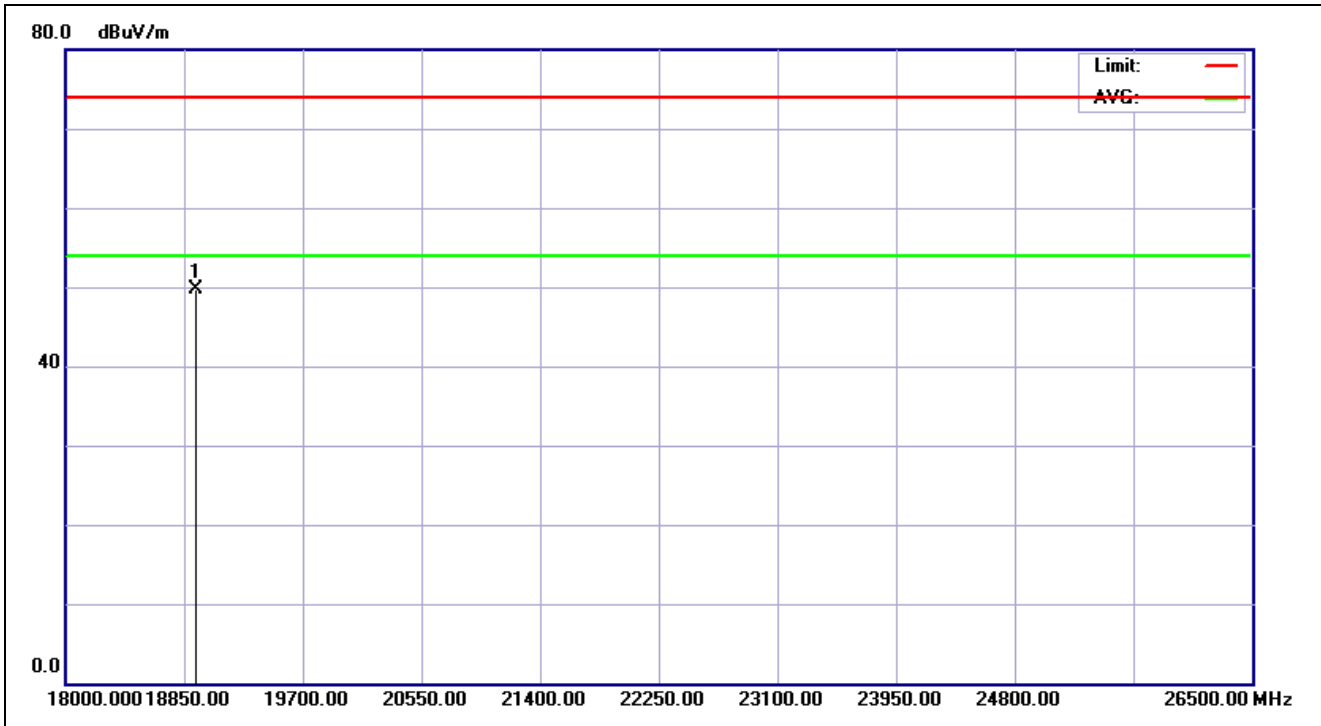


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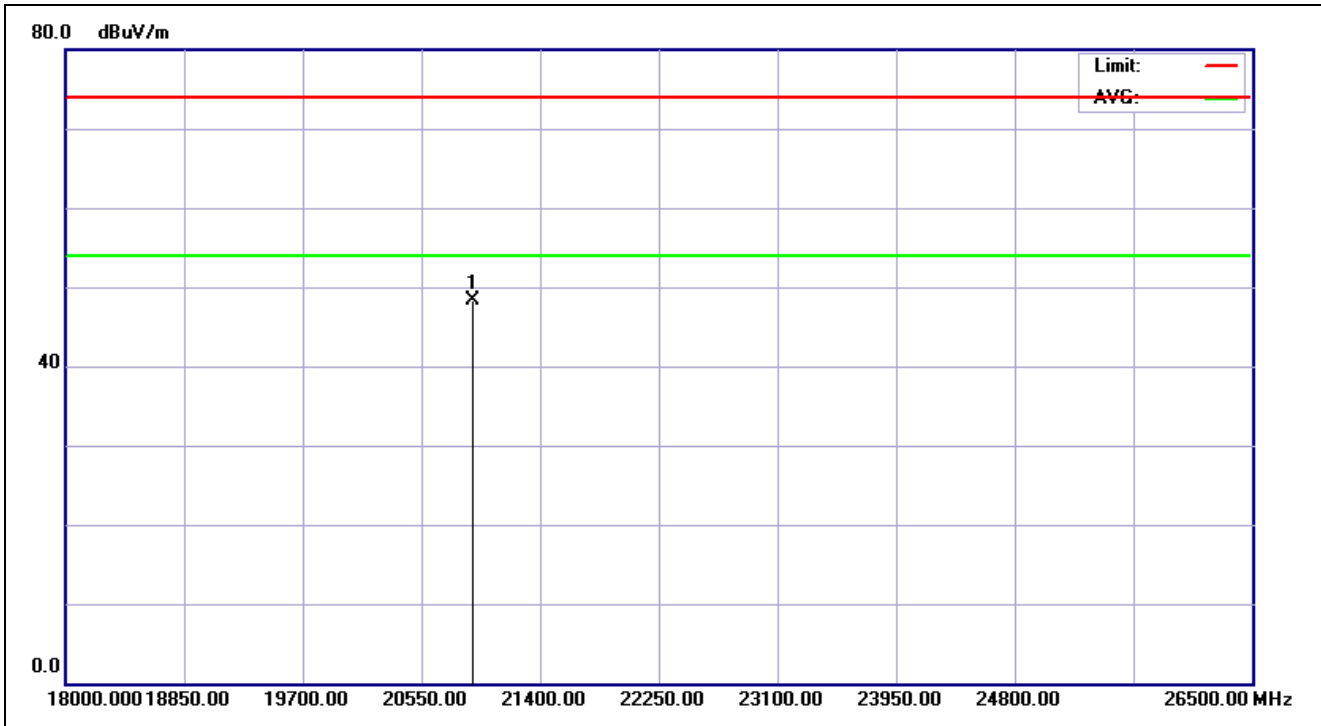
<b>Service No.:</b>	114015419-BT	<b>Test Distance:</b>	3m
<b>Test Standard:</b>	FCC Above 1G PEAK	<b>Ant. Polarization:</b>	Horizontal
<b>Test item:</b>	Radiation Emission	<b>Test Time:</b>	2013/11/28 19:12:37
<b>Applicant:</b>	Trans	<b>Test Rating:</b>	AC 120V/60Hz
<b>Product:</b>	Bluetooth music receiver	<b>Temp.(°C)/Hum.(%):</b>	20.5(°C)/60%
<b>Model No.:</b>	BTR-2000N	<b>Test Engineer:</b>	Hugo Chang
<b>Test Mode:</b>	BT-2402		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25410.256	30.75	18.95	49.70	74.00	-24.30	peak			



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:13:16</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2402</b>		
<b>Remark:</b>			

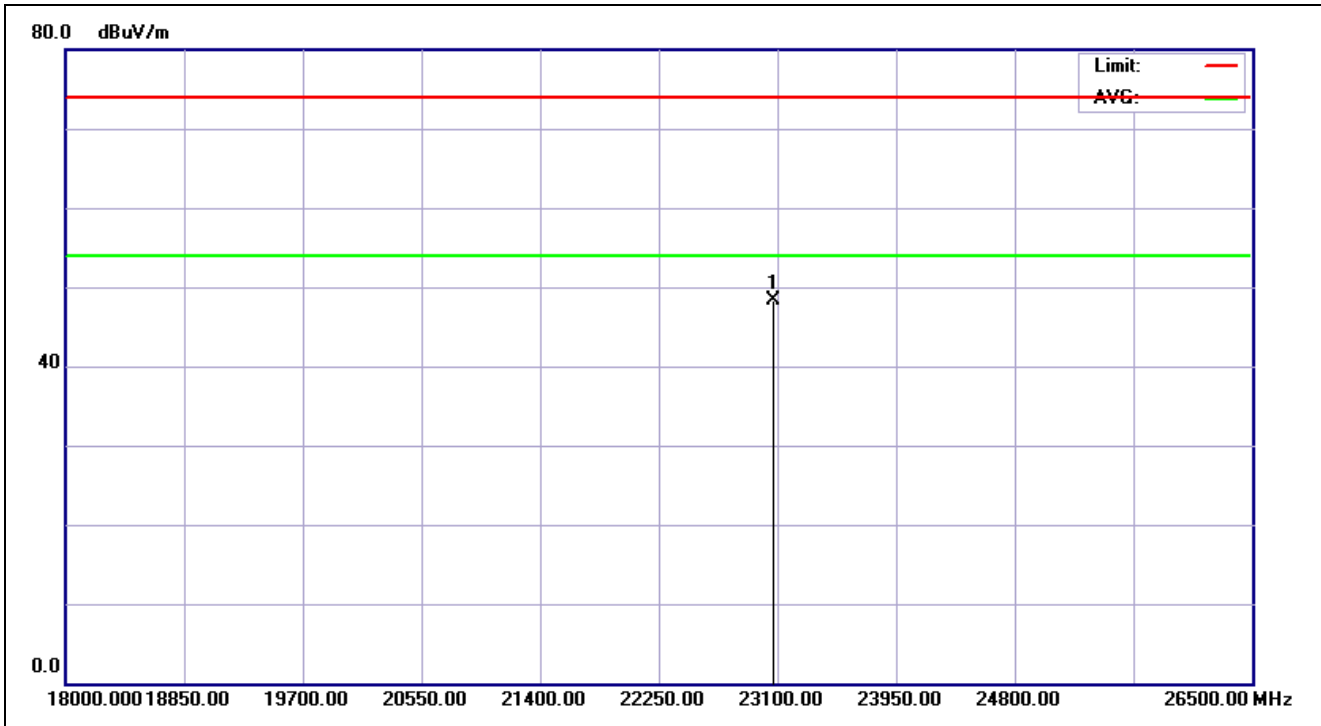
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18939.904	29.80	19.84	49.64	74.00	-24.36	peak			



Service No.:	114015419-BT	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2013/11/28 19:13:37
Applicant:	Trans	Test Rating:	AC 120V/60Hz
Product:	Bluetooth music receiver	Temp.(°C)/Hum.(%):	20.5(°C)/60%
Model No.:	BTR-2000N	Test Engineer:	Hugo Chang
Test Mode:	BT-2441		
Remark:			

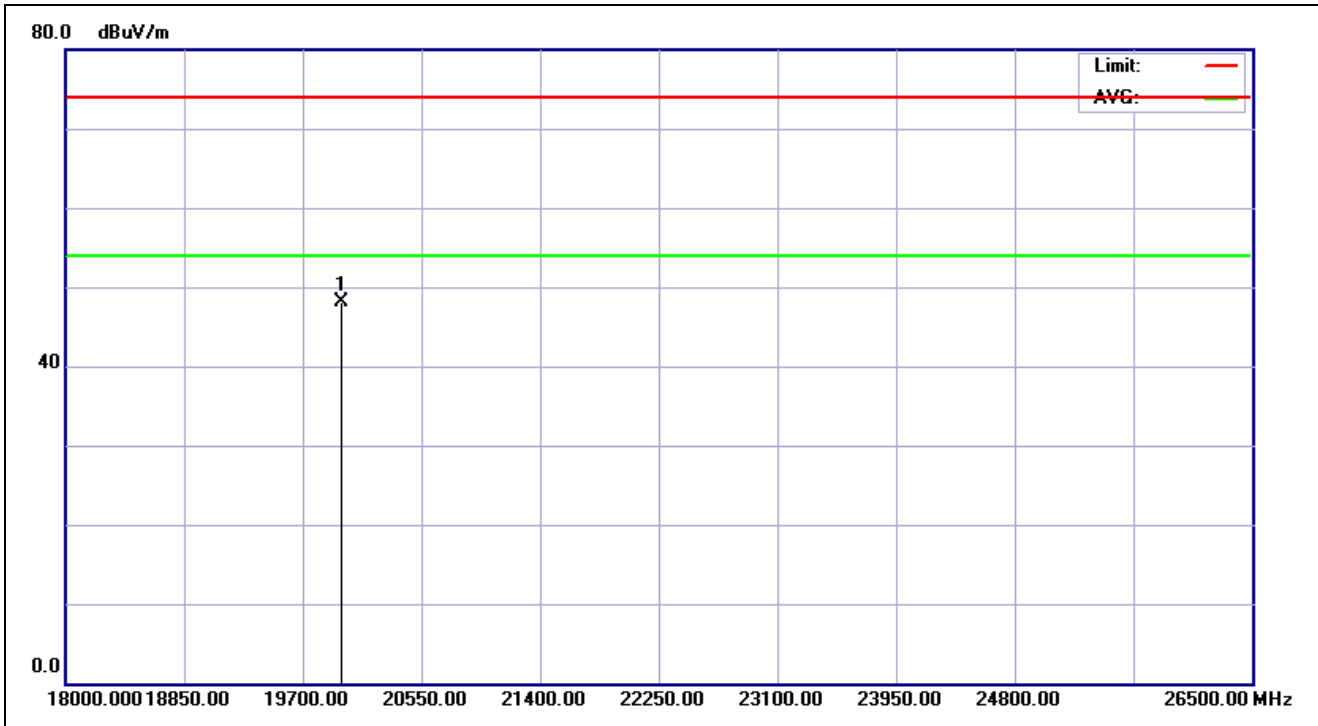
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20915.064	29.58	18.82	48.40	74.00	-25.60	peak			





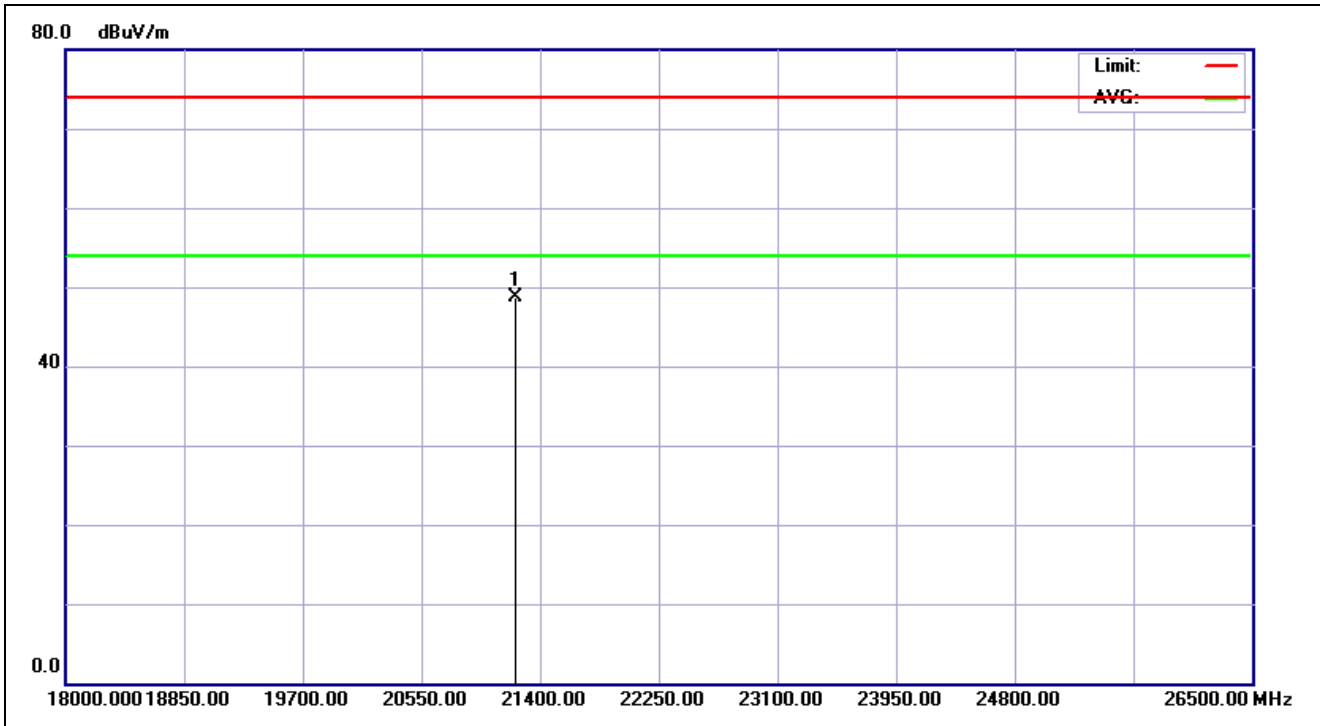
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:14:06</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2441</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23067.308	30.25	18.10	48.35	74.00	-25.65	peak			



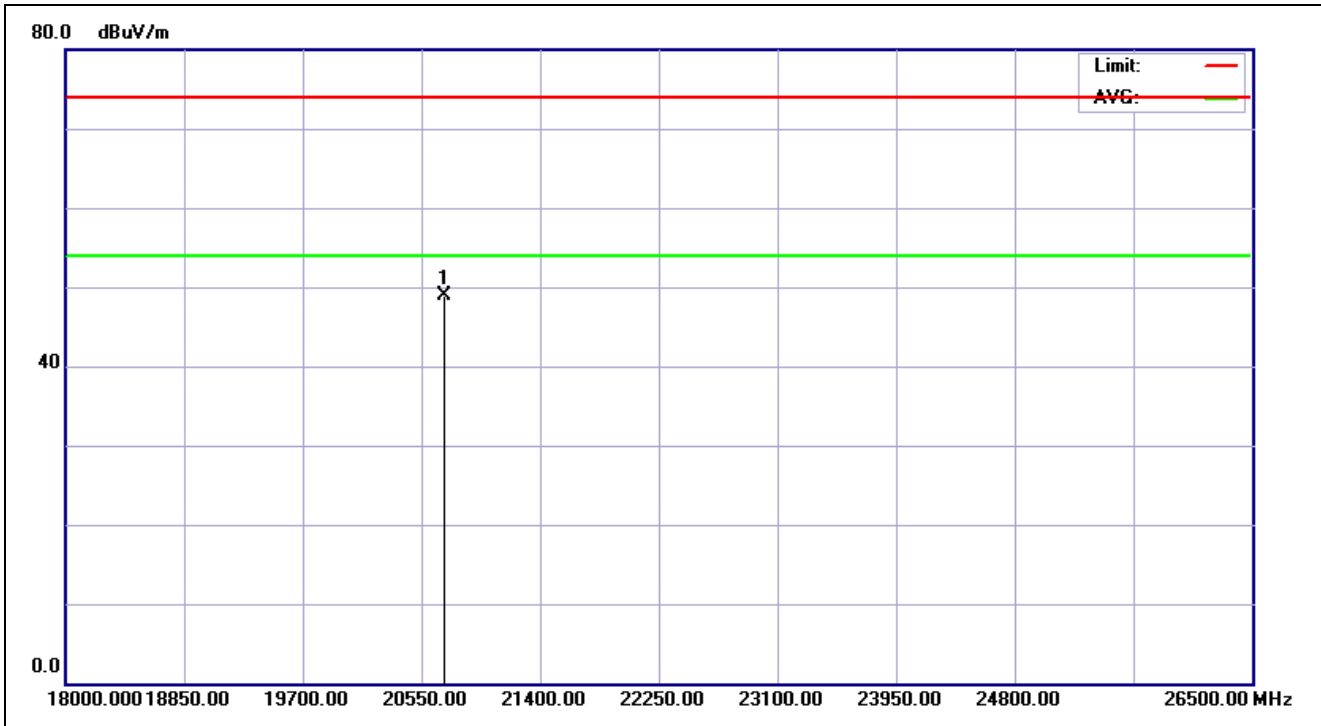
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:15:26</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19975.160	29.30	18.82	48.12	74.00	-25.88	peak			



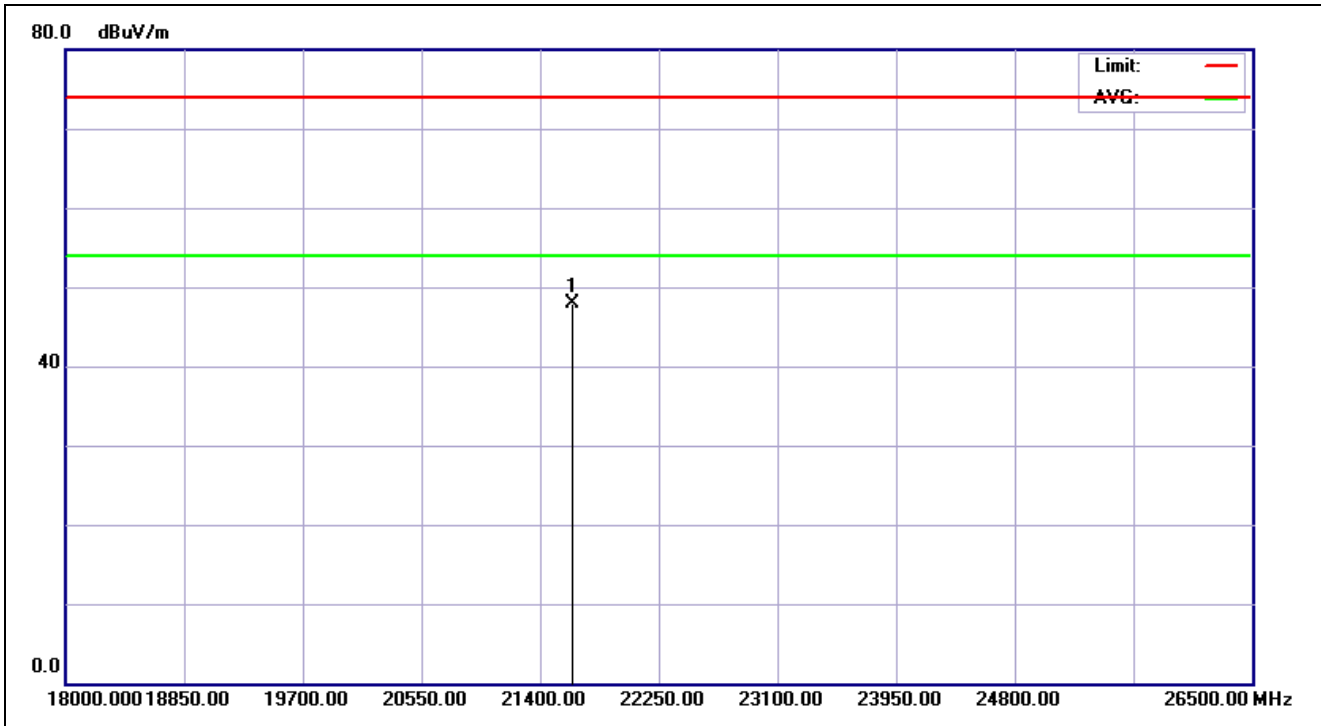
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:15:53</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>BT-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21228.365	29.52	19.13	48.65	74.00	-25.35	peak			



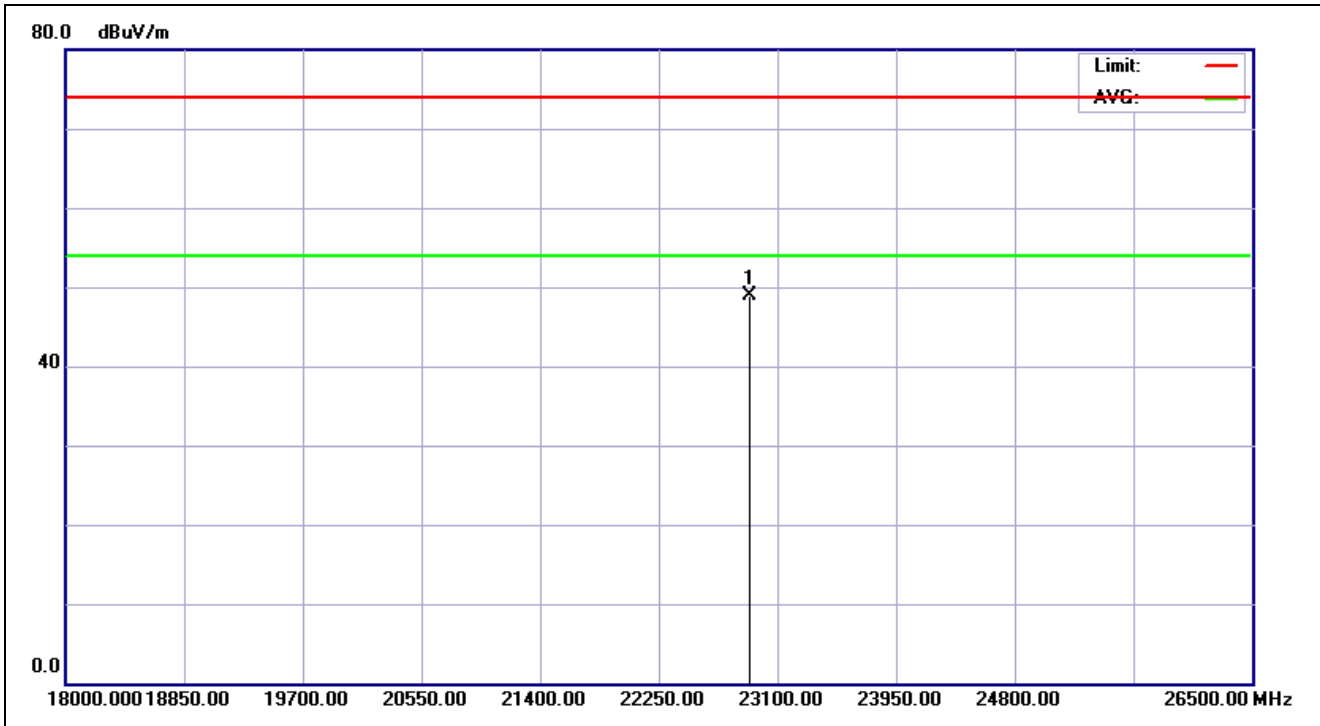
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:16:24</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2402</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20710.737	29.57	19.31	48.88	74.00	-25.12	peak			



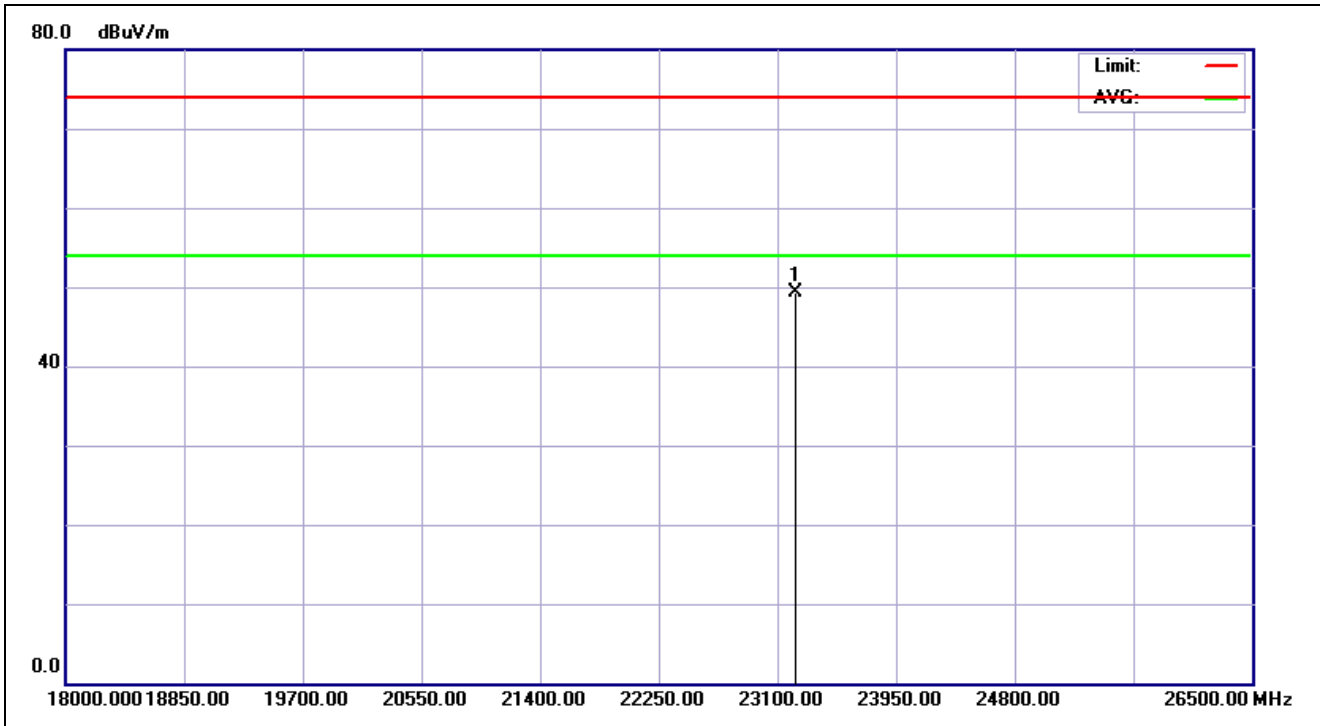
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:16:52</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2402</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21637.019	29.42	18.58	48.00	74.00	-26.00	peak			



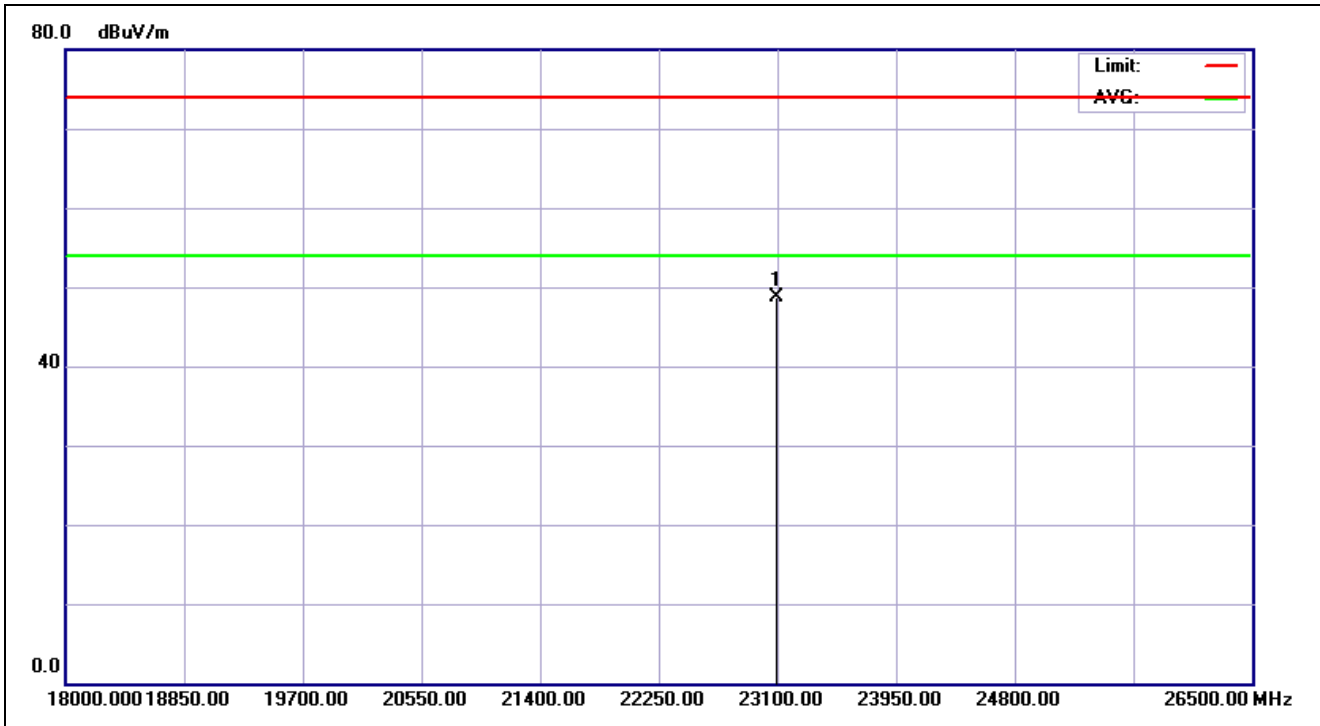
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:17:22</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2441</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22903.846	30.03	18.80	48.83	74.00	-25.17	peak			



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:17:49</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2441</b>		
<b>Remark:</b>			

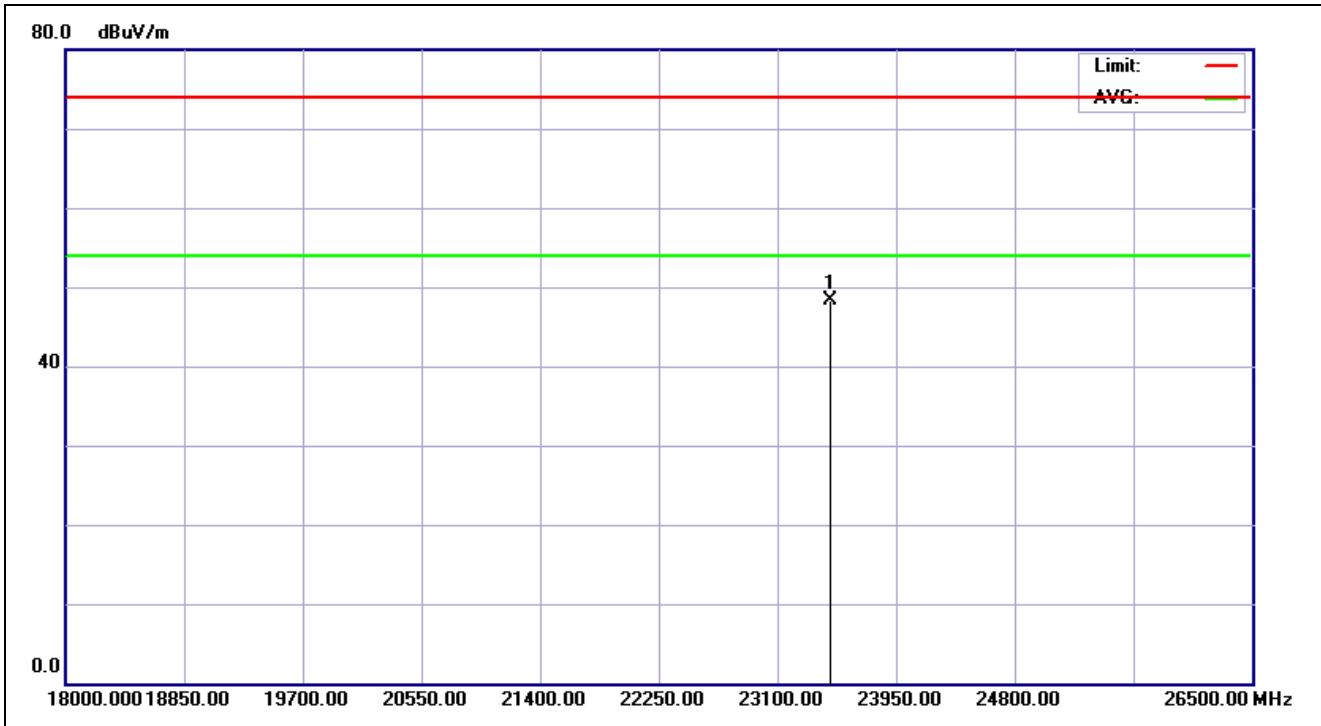
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23230.769	30.20	19.05	49.25	74.00	-24.75	peak			



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:18:17</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23094.551	30.24	18.49	48.73	74.00	-25.27	peak			





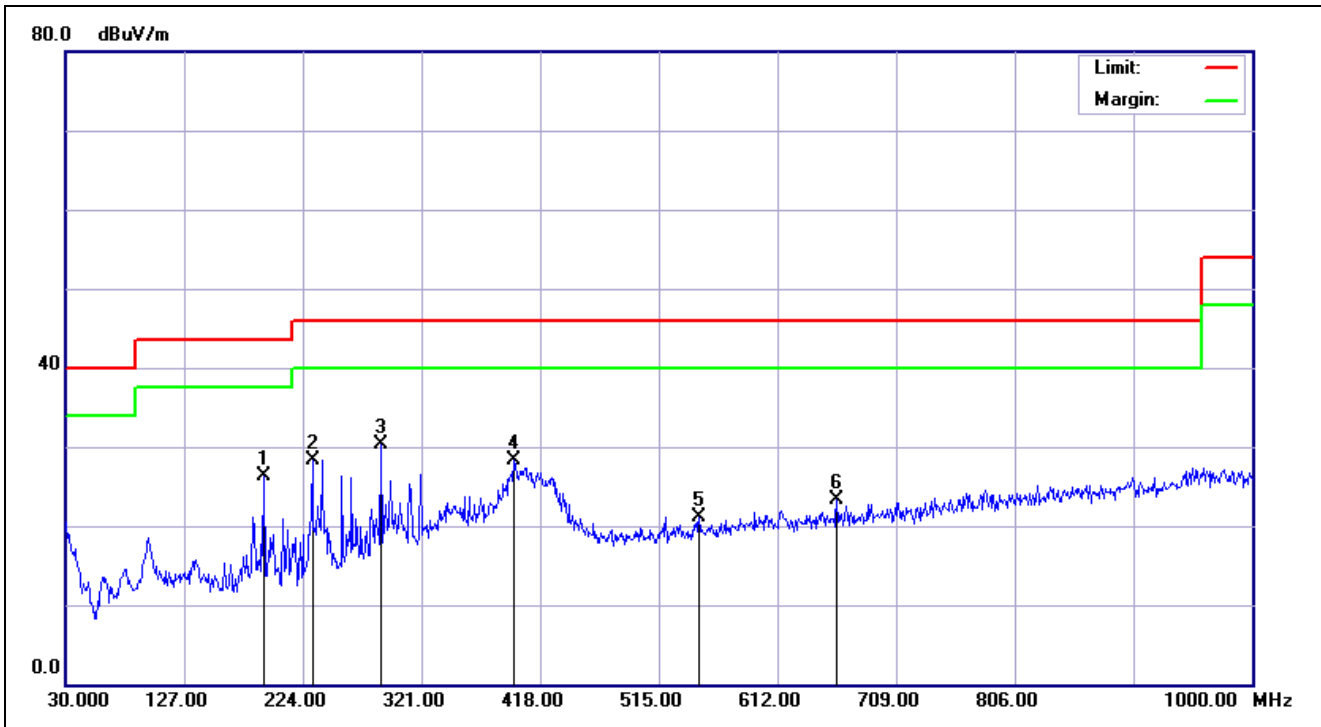
<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 19:18:43</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.5(°C)/60%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>	<b>EDR-2480</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23475.962	30.12	18.25	48.37	74.00	-25.63	peak			

# Spurious Emissions, TX Mode, 30M-1G

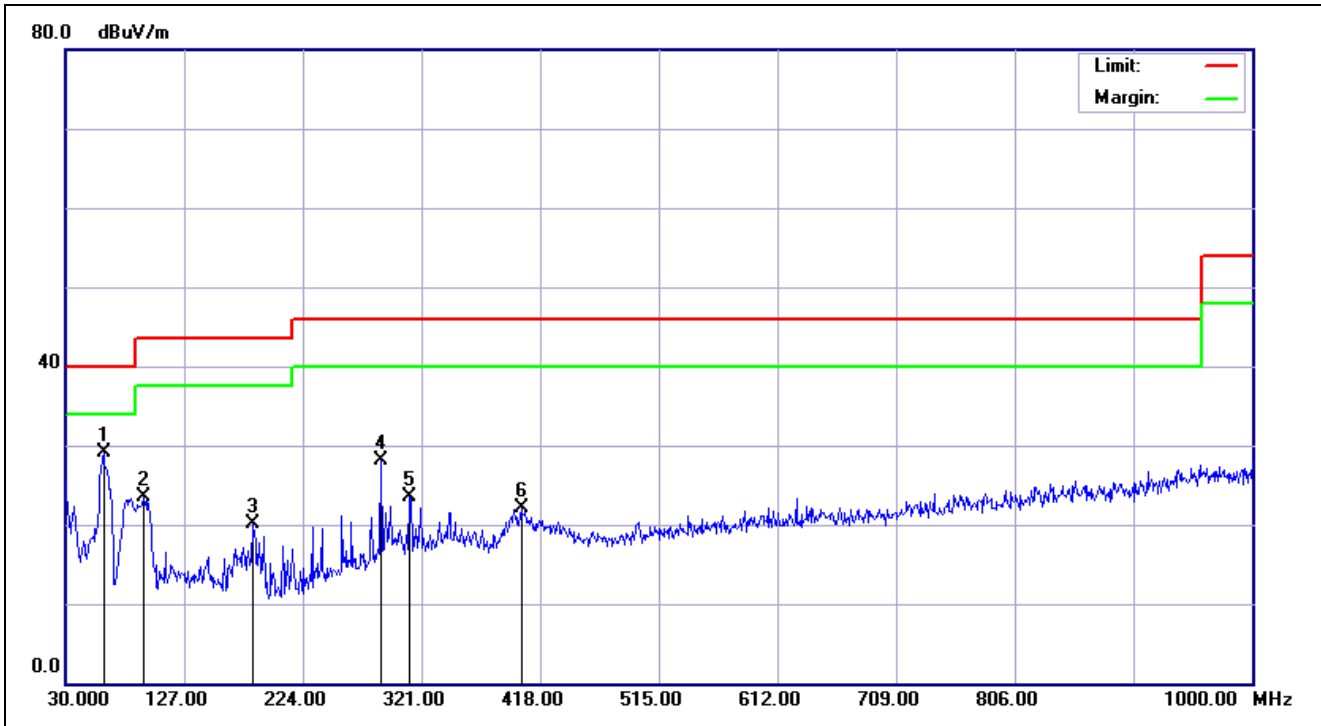


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<b>Service No.:</b>	114015419-BT	<b>Test Distance:</b>	3m
<b>Test Standard:</b>	FCC Class B 3M Radiation	<b>Ant. Polarization:</b>	Horizontal
<b>Test item:</b>	Radiation Emission	<b>Test Time:</b>	2013/11/28 10:14:25
<b>Applicant:</b>	Trans	<b>Test Rating:</b>	AC 120V/60Hz
<b>Product:</b>	Bluetooth music receiver	<b>Temp.(°C)/Hum.(%):</b>	20(°C)/58%
<b>Model No.:</b>	BTR-2000N	<b>Test Engineer:</b>	Hugo Chang
<b>Test Mode:</b>			
<b>Remark:</b>			

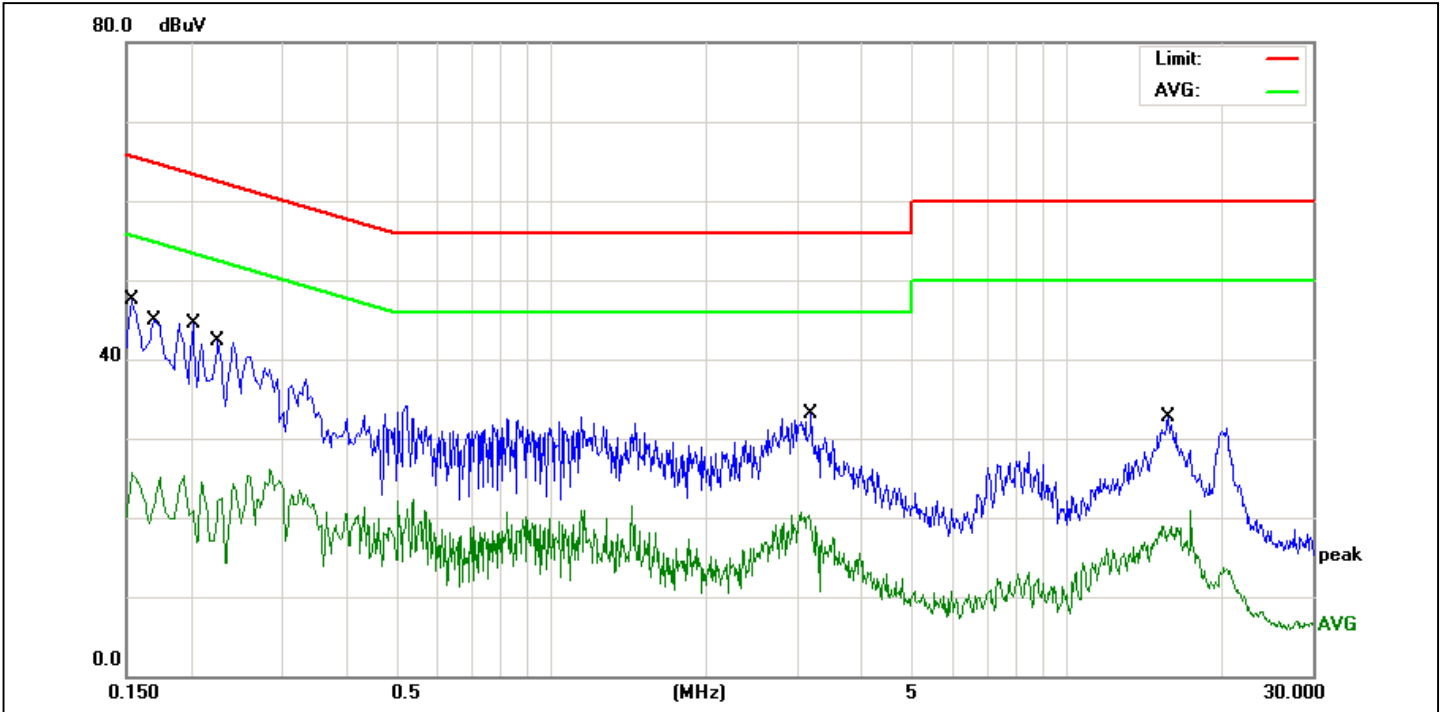
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	191.9900	-15.47	41.85	26.38	43.50	-17.12	QP	100	225	
2	231.7600	-13.40	41.78	28.38	46.00	-17.62	QP	100	245	
3	288.0200	-10.83	41.06	30.23	46.00	-15.77	QP	100	129	
4	396.6600	-8.67	36.93	28.26	46.00	-17.74	QP	100	117	
5	547.9800	-6.91	27.97	21.06	46.00	-24.94	QP	100	195	
6	660.5000	-5.39	28.71	23.32	46.00	-22.68	QP	100	0	



<b>Service No.:</b>	<b>114015419-BT</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2013/11/28 10:15:33</b>
<b>Applicant:</b>	<b>Trans</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Bluetooth music receiver</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20(°C)/58%</b>
<b>Model No.:</b>	<b>BTR-2000N</b>	<b>Test Engineer:</b>	<b>Hugo Chang</b>
<b>Test Mode:</b>			
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	61.0400	-19.55	48.68	29.13	40.00	-10.87	QP	100	146	
2	94.0200	-16.07	39.64	23.57	43.50	-19.93	QP	100	54	
3	183.2600	-15.54	35.59	20.05	43.50	-23.45	QP	100	196	
4	288.0200	-10.83	38.99	28.16	46.00	-17.84	QP	100	174	
5	311.3000	-10.19	33.78	23.59	46.00	-22.41	QP	100	157	
6	402.4800	-8.58	30.65	22.07	46.00	-23.93	QP	100	171	

# Mains Spurious Emissions



Service No.: 114015419

Test Standard: FCC Part 15 Class B Conduction

Test item: Conducted Emission Phase: L1

Applicant: Trans Temp.(°C)/Hum.(%): 22.1(°C) / 57 %

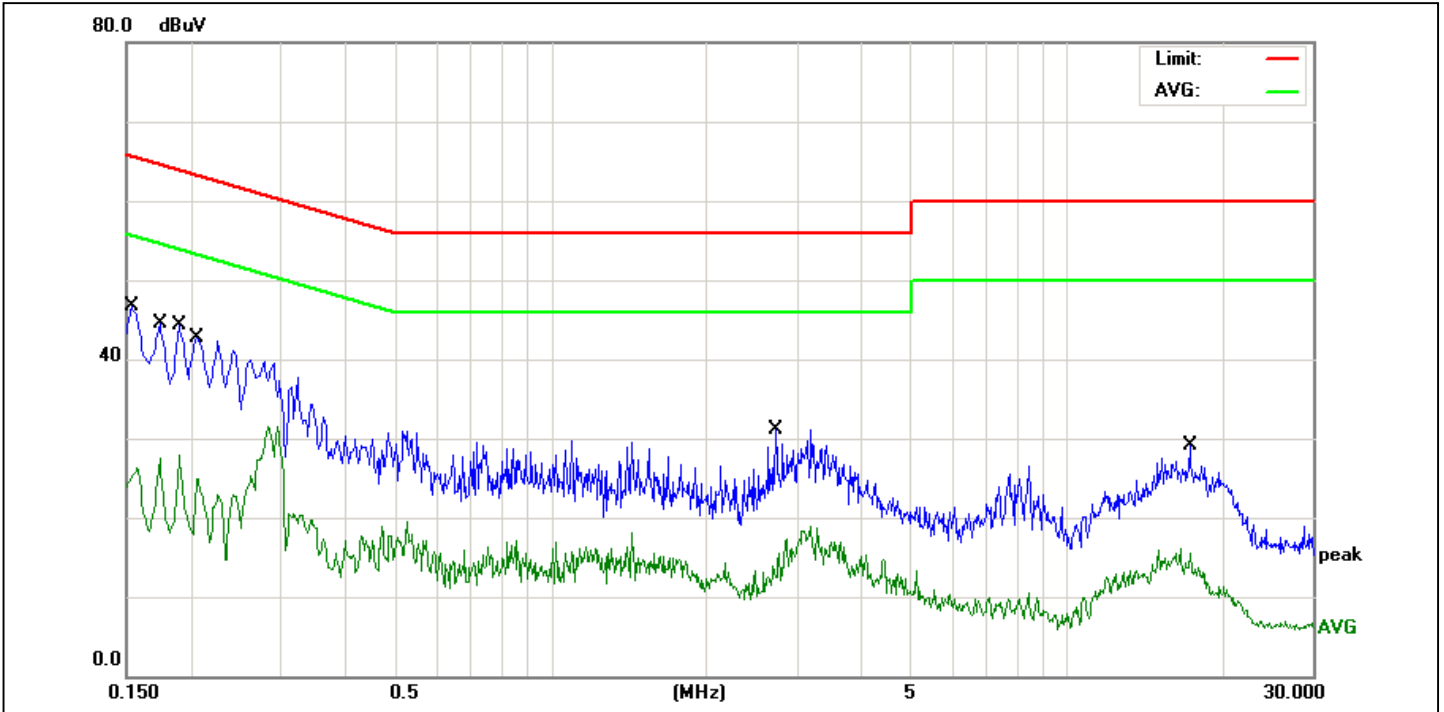
Product: Bluetooth music receiver Power Rating: AC 120V/60Hz

Model No.: BTR-2000N Test Engineer: Freeman Wang

Test Mode:

Remark: (b)Normal operation with audio to RCA port

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	9.62	33.82	43.44	65.78	-22.34	QP	P	
2	0.1539	9.62	14.13	23.75	55.78	-32.03	AVG	P	
3	0.1700	9.62	31.44	41.06	64.96	-23.90	QP	P	
4	0.1700	9.62	12.29	21.91	54.96	-33.05	AVG	P	
5	0.2020	9.60	26.89	36.49	63.52	-27.03	QP	P	
6	0.2020	9.60	8.34	17.94	53.52	-35.58	AVG	P	
7	0.2260	9.60	29.79	39.39	62.59	-23.20	QP	P	
8	0.2260	9.60	12.02	21.62	52.59	-30.97	AVG	P	
9	3.1980	9.64	17.19	26.83	56.00	-29.17	QP	P	
10	3.1980	9.64	7.95	17.59	46.00	-28.41	AVG	P	
11	15.7940	9.78	16.94	26.72	60.00	-33.28	QP	P	
12	15.7940	9.78	7.44	17.22	50.00	-32.78	AVG	P	



Service No.: 114015419  
 Test Standard: FCC Part 15 Class B Conduction  
 Test item: Conducted Emission Phase: N  
 Applicant: Trans Temp.(°C)/Hum.(%): 22.1(°C) / 57 %  
 Product: Bluetooth music receiver Power Rating: AC 120V/60Hz  
 Model No.: BTR-2000N Test Engineer: Freeman Wang

Test Mode:  
 Remark: (b)Normal operation with audio to RCA port

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	9.59	34.15	43.74	65.78	-22.04	QP	P	
2	0.1539	9.59	14.89	24.48	55.78	-31.30	AVG	P	
3	0.1740	9.59	32.81	42.40	64.76	-22.36	QP	P	
4	0.1740	9.59	14.51	24.10	54.76	-30.66	AVG	P	
5	0.1900	9.57	31.59	41.16	64.03	-22.87	QP	P	
6	0.1900	9.57	12.66	22.23	54.03	-31.80	AVG	P	
7	0.2060	9.57	30.39	39.96	63.36	-23.40	QP	P	
8	0.2060	9.57	10.79	20.36	53.36	-33.00	AVG	P	
9	2.7220	9.59	9.03	18.62	56.00	-37.38	QP	P	
10	2.7220	9.59	0.98	10.57	46.00	-35.43	AVG	P	
11	17.3620	9.79	9.66	19.45	60.00	-40.55	QP	P	
12	17.3620	9.79	1.81	11.60	50.00	-38.40	AVG	P	