

# Test Report No.10055768 / 10055770 001

## Appendix D: Radiated and Mains Spurious Emission Data

(File: 10055768 / 10055770AppendixD)

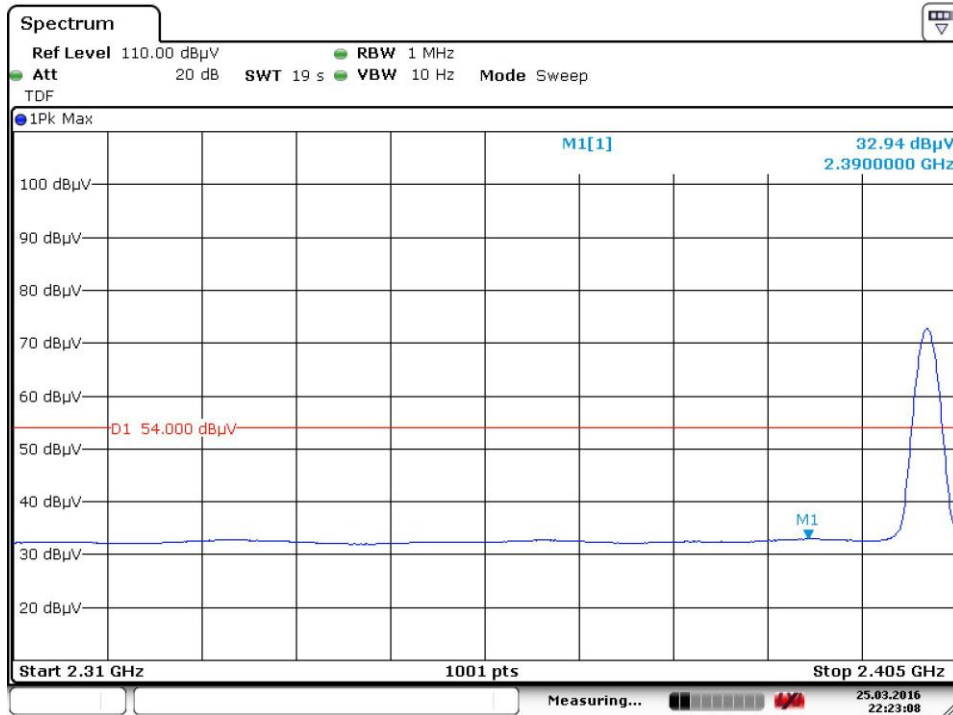
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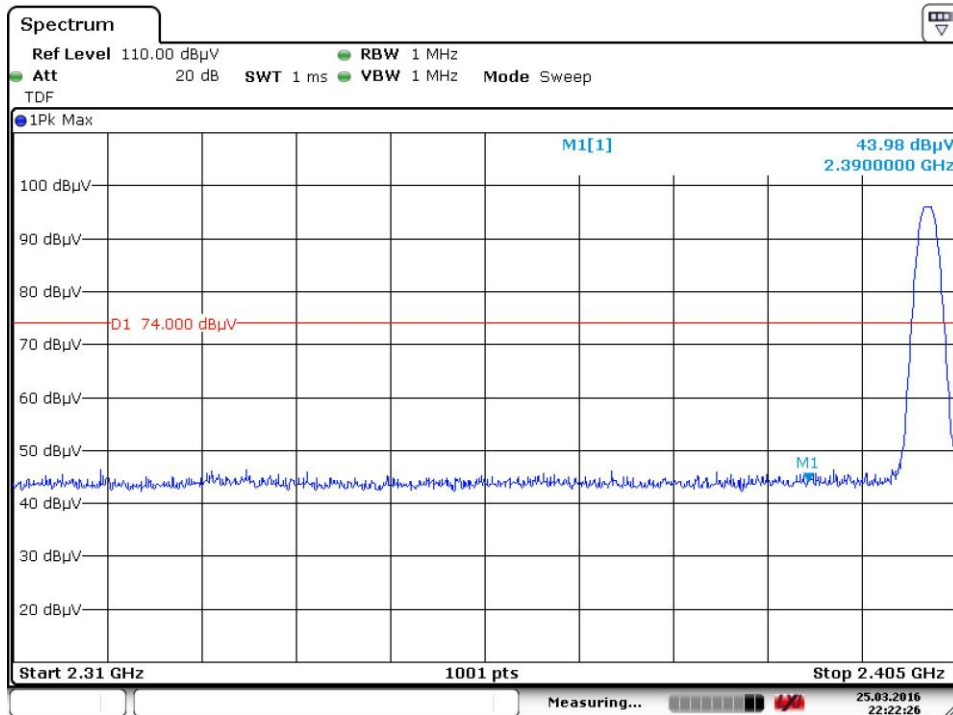
# Spurious Emissions, Band Edges, 2.35-2.5G

## Radiated Bandedge (GFSK)

### Low Channel (Hor)



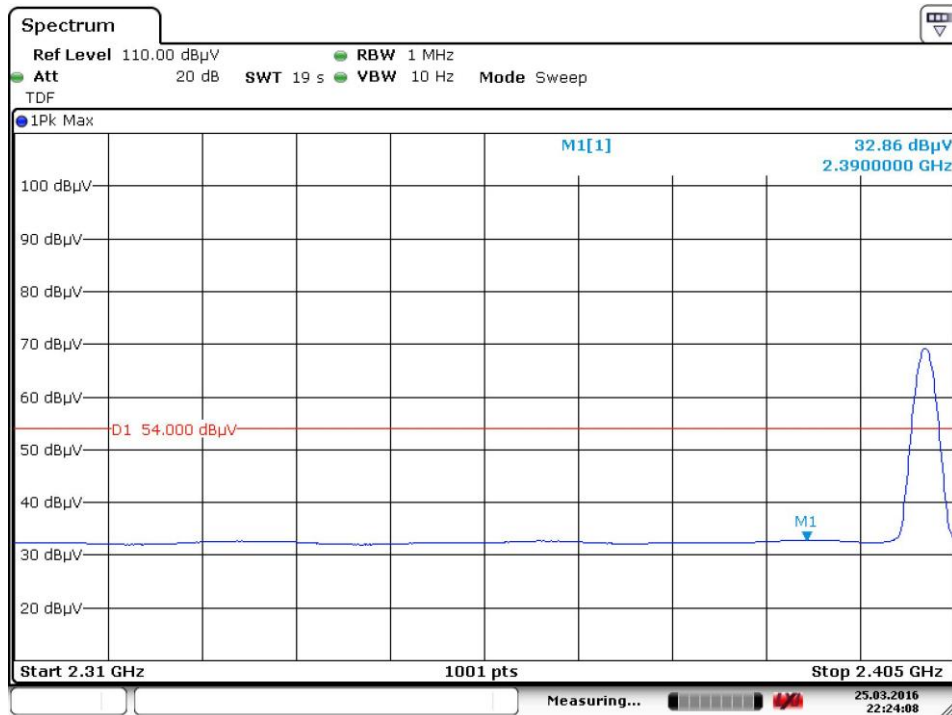
Date: 25.MAR.2016 22:23:08



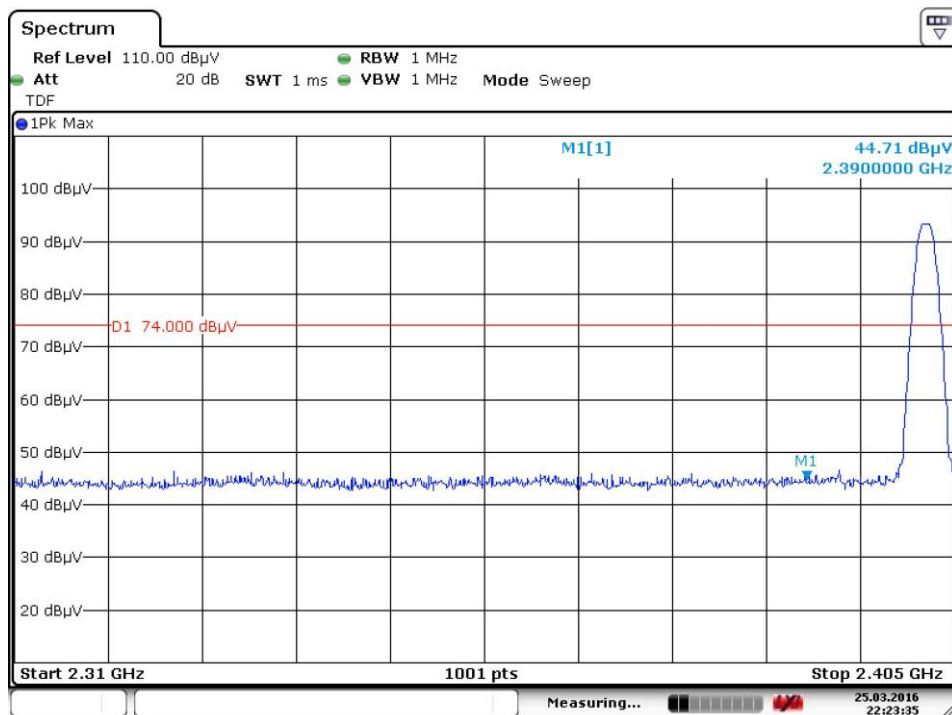
Date: 25.MAR.2016 22:22:26

# Spurious Emissions, Band Edge, 2.35-2.5G

## Low Channel (Ver)



Date: 25.MAR.2016 22:24:08

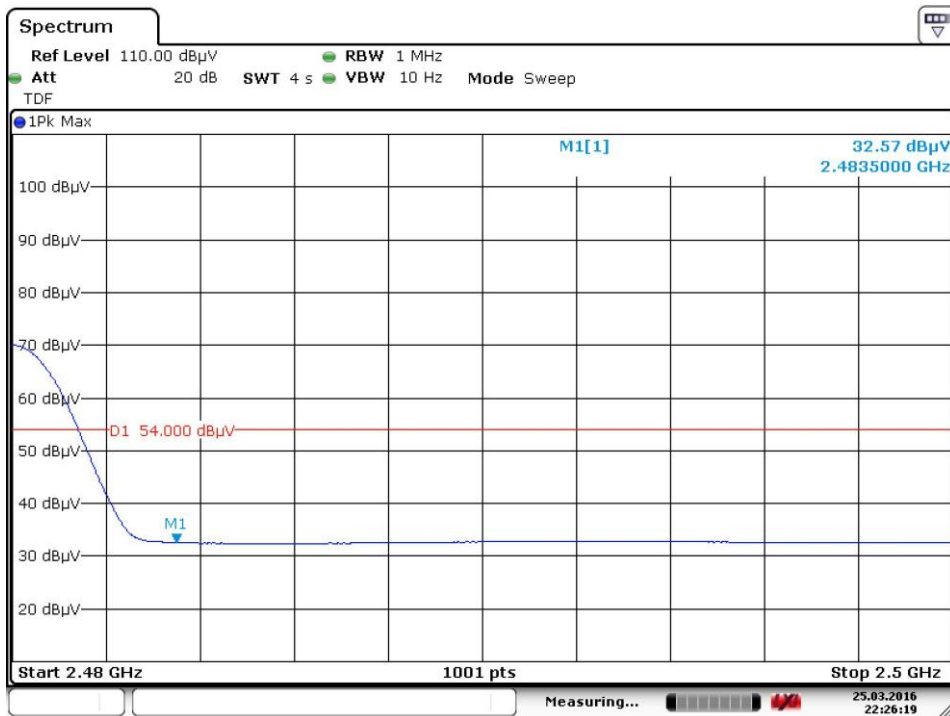


Date: 25.MAR.2016 22:23:35

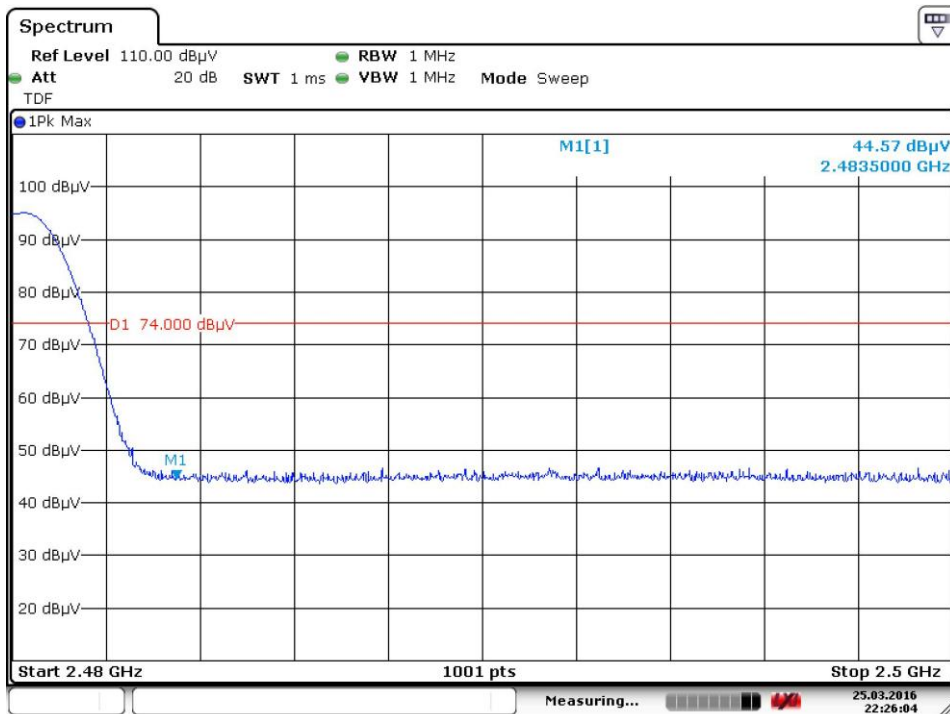
## Spurious Emissions, Band Edge, 2.35-2.5G

# Radiated Bandedge (GFSK)

## High Channel (Hor)



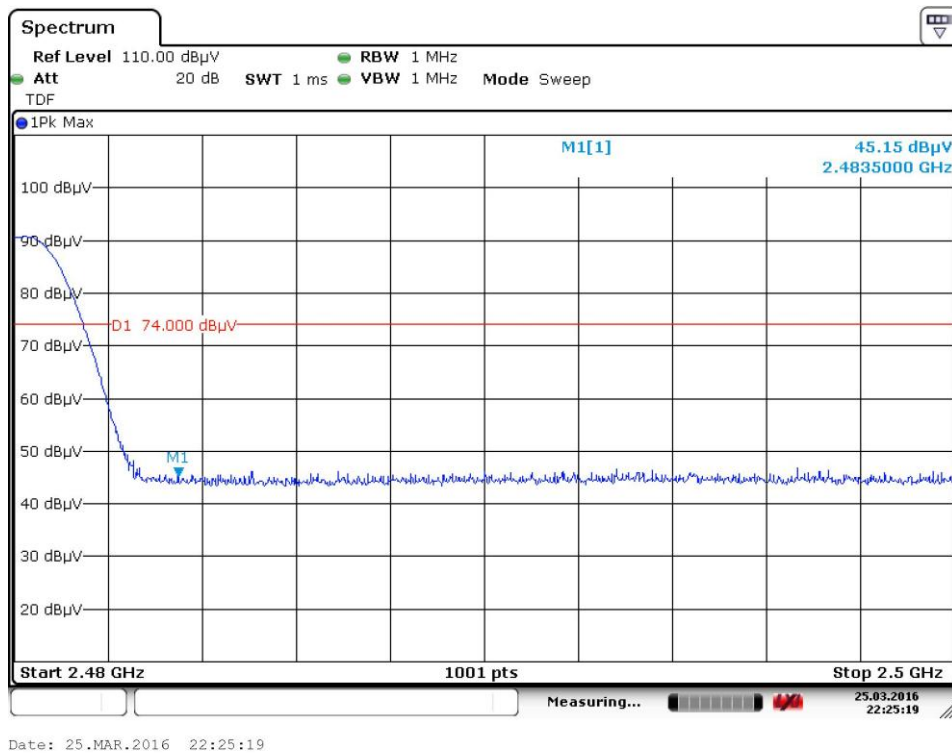
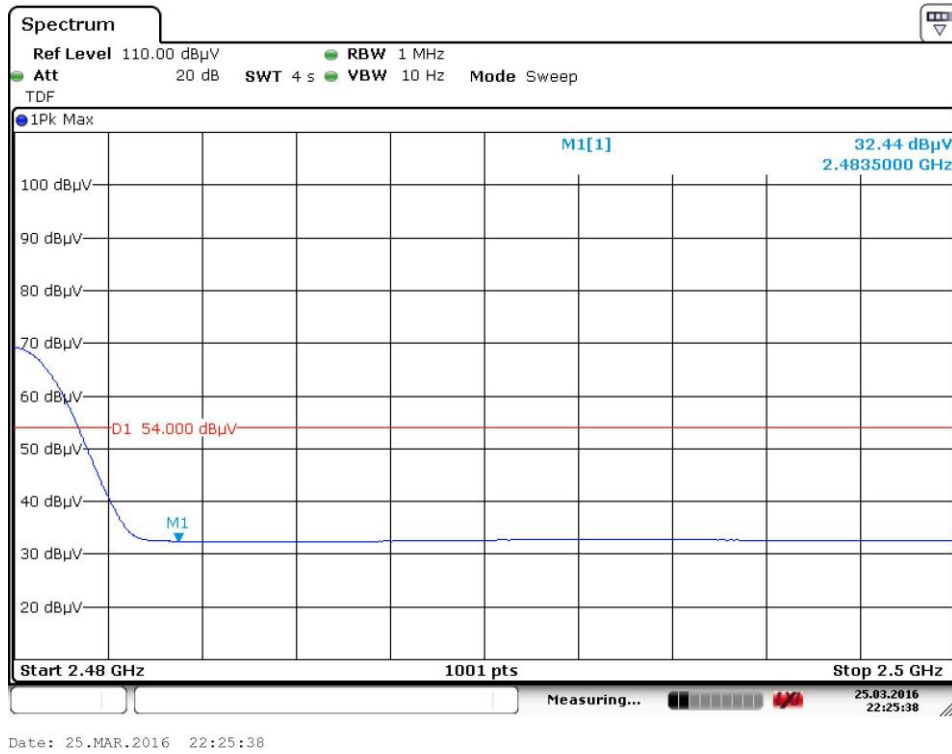
Date: 25.MAR.2016 22:26:19



Date: 25.MAR.2016 22:26:03

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

# High Channel (Ver)



# Spurious Emissions, Band Edge, 2.35-2.5G

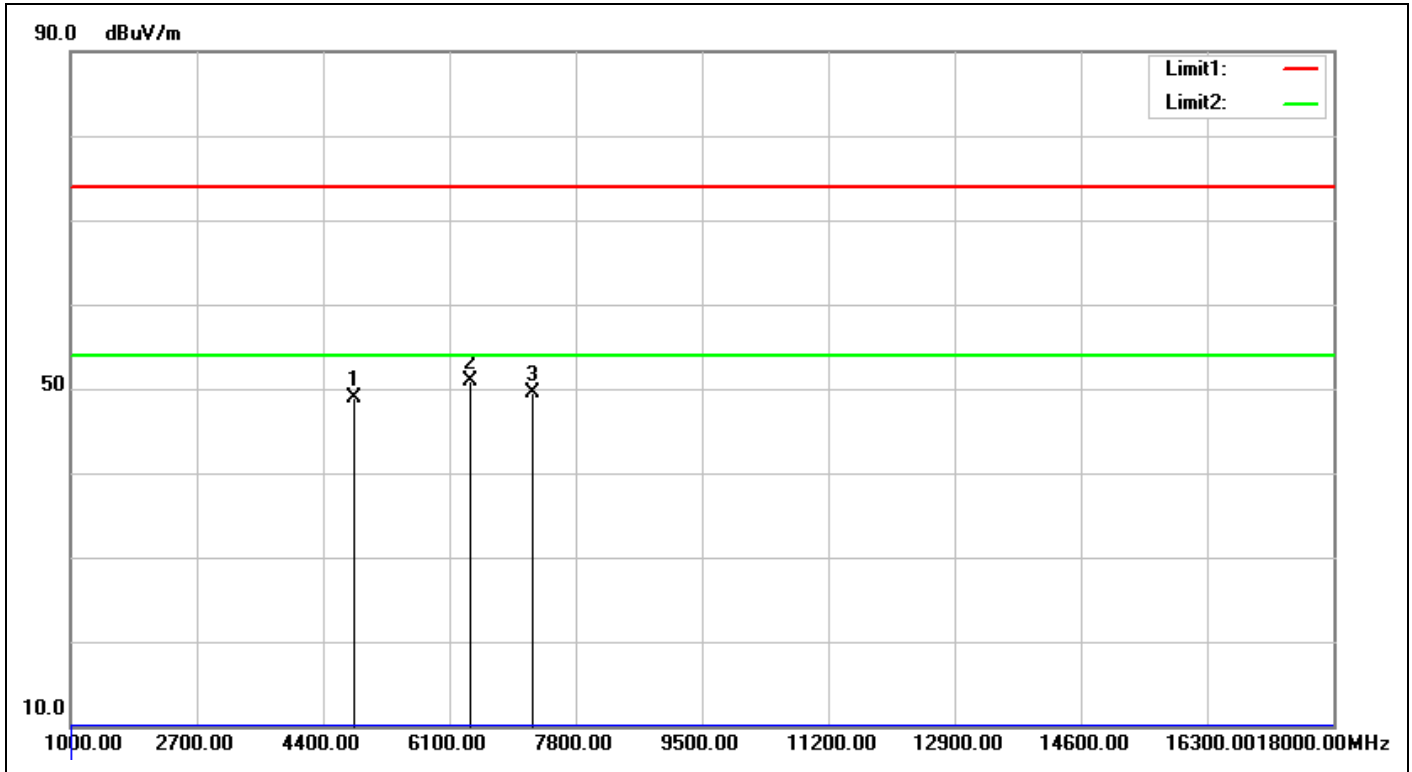
# Spurious Emissions, TX Mode, 1-18G



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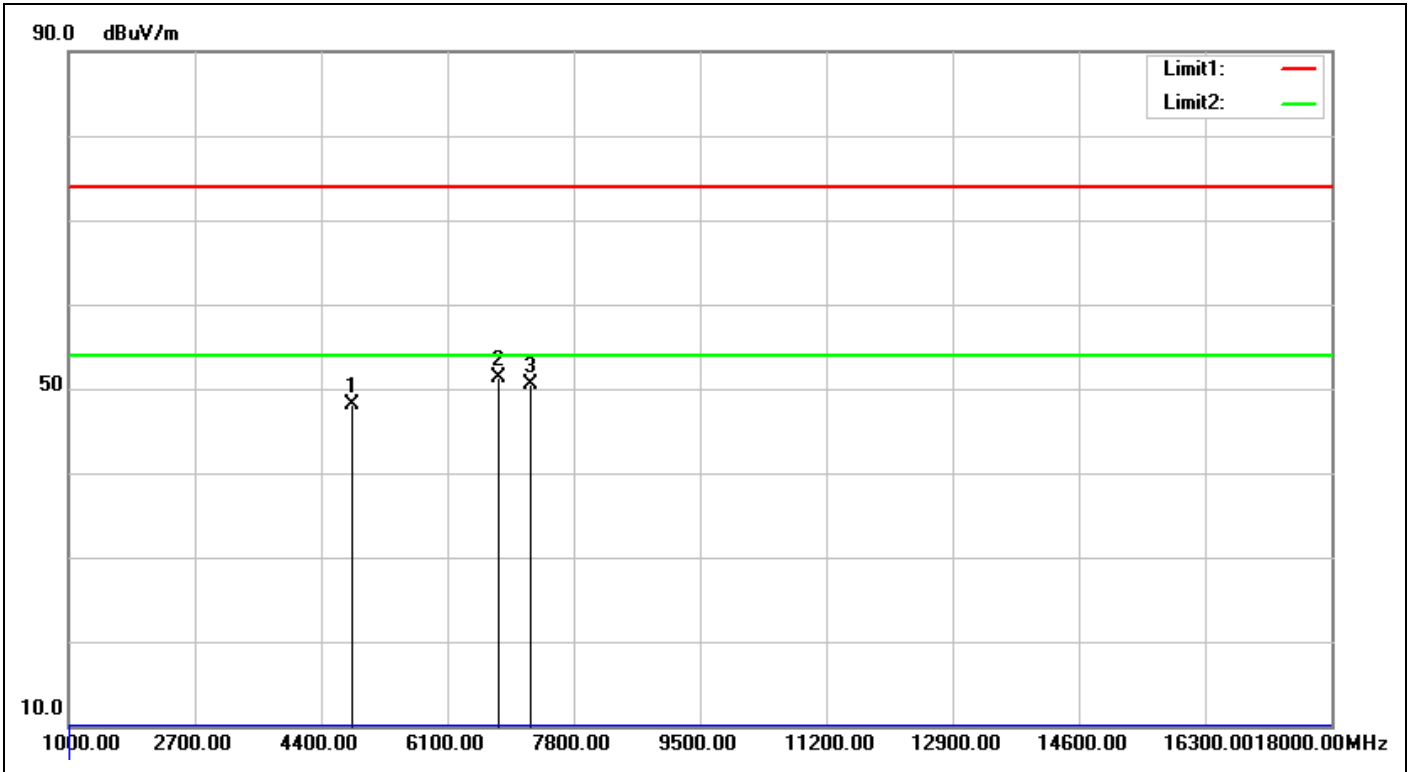
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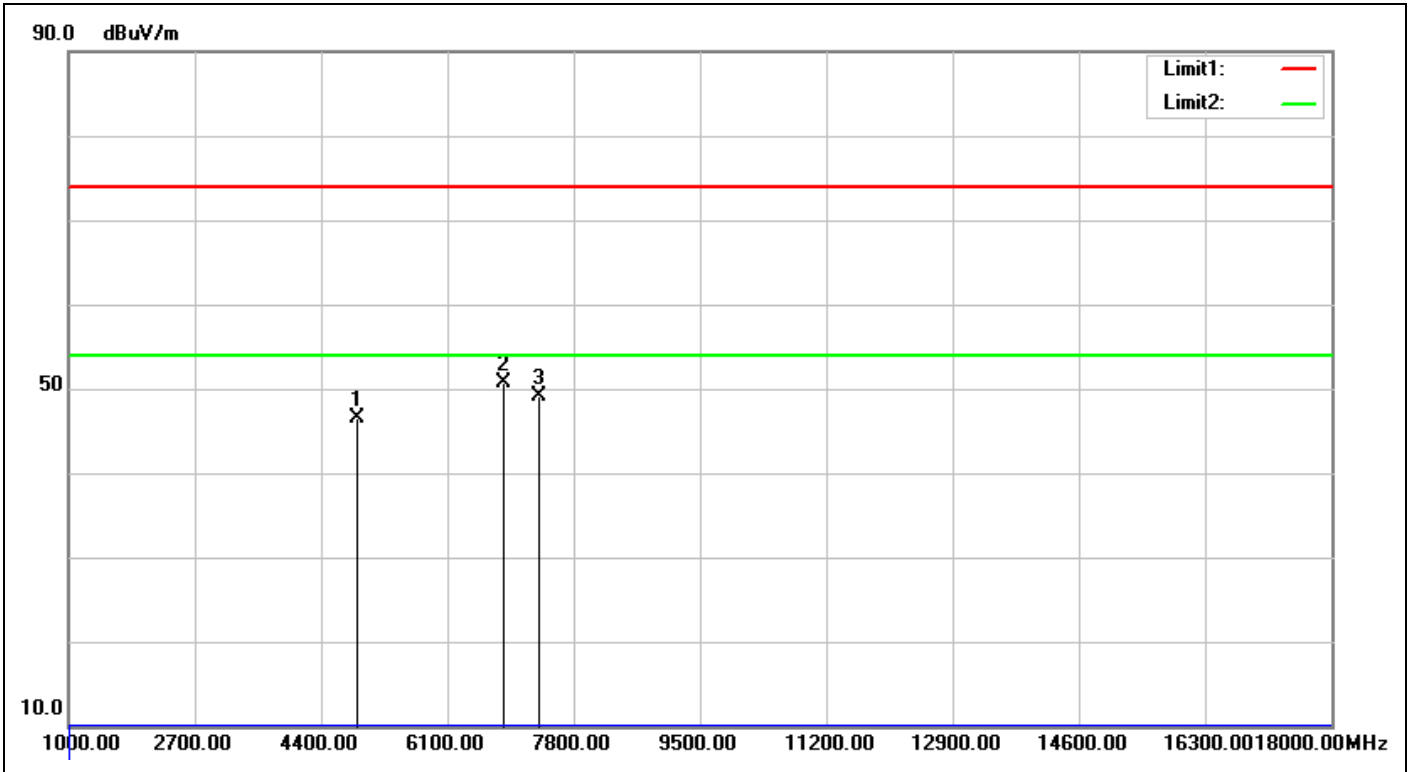
<b>Service No.:</b>	114047316-NCC	<b>Test Distance:</b>	3m
<b>Test Standard:</b>	NCC Above 1G PEAK	<b>Ant. Polarization:</b>	Horizontal
<b>Test item:</b>	Radiation Emission	<b>Test Time:</b>	2016/3/22 21:07:37
<b>Applicant:</b>	Microchip	<b>Test Rating:</b>	DC 3.3 V
<b>Product:</b>	Bluetooth Module	<b>Temp.(°C)/Hum.(%):</b>	19.5(°C)/63%
<b>Model No.:</b>	FCC:BM62SPKabcC2	<b>Test Engineer:</b>	George Yang
	NCC:BM62SPKS1MC2		
<b>Test Mode:</b>	2402-TX		
<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	4804.000	-2.28	51.22	48.94	74.00	-25.06	peak		0	
2	6372.000	5.54	45.27	50.81	74.00	-23.19	peak	100	99	
3	7206.000	5.77	43.79	49.56	74.00	-24.44	peak		0	



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:08:39</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2402-TX</b>		
<b>Remark:</b>			

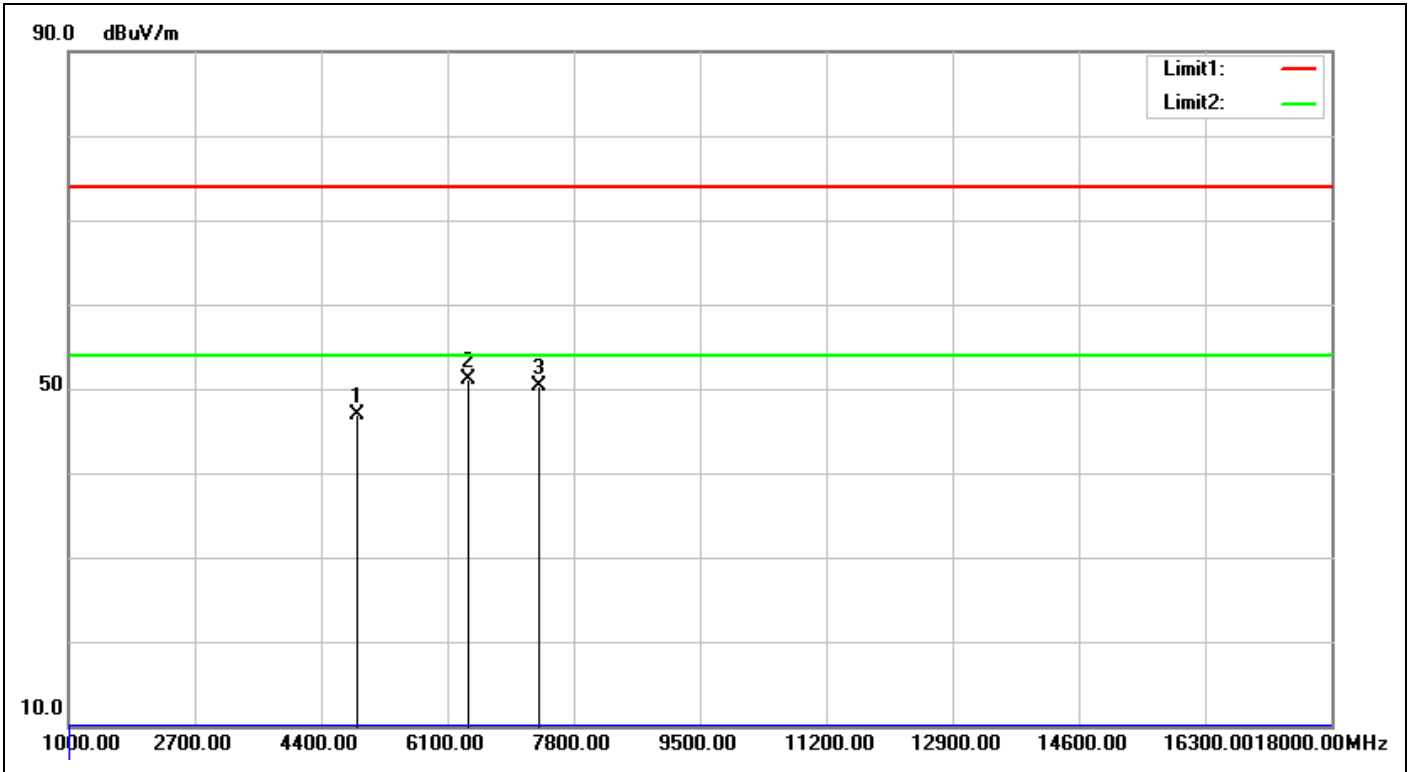
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.28	50.46	48.18	74.00	-25.82	peak			
2	6797.000	5.52	45.83	51.35	74.00	-22.65	peak	100	297	
3	7206.000	5.77	44.64	50.41	74.00	-23.59	peak			



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:10:47</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-TX</b>		
<b>Remark:</b>			

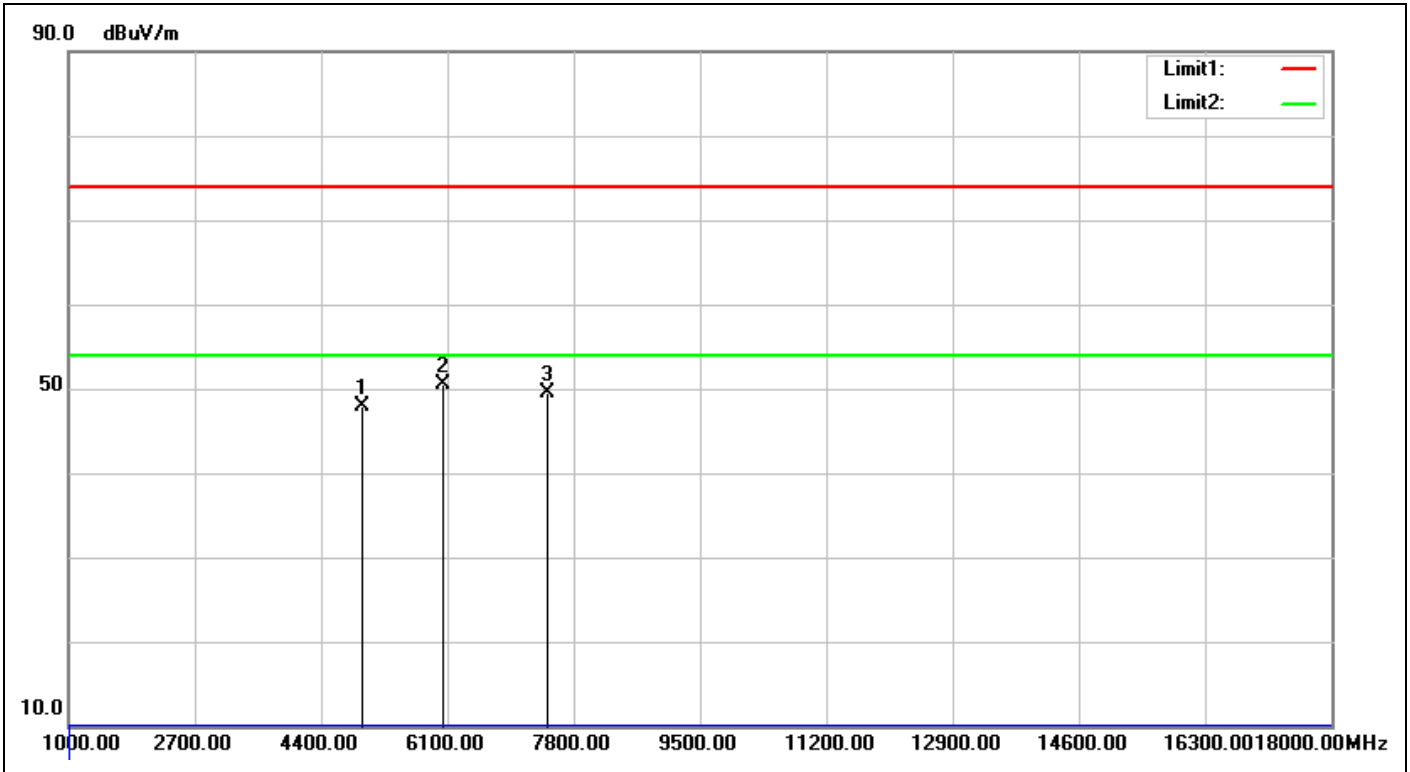
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.10	48.65	46.55	74.00	-27.45	peak			
2	6848.000	5.44	45.25	50.69	74.00	-23.31	peak	100	130	
3	7320.000	6.10	43.01	49.11	74.00	-24.89	peak			





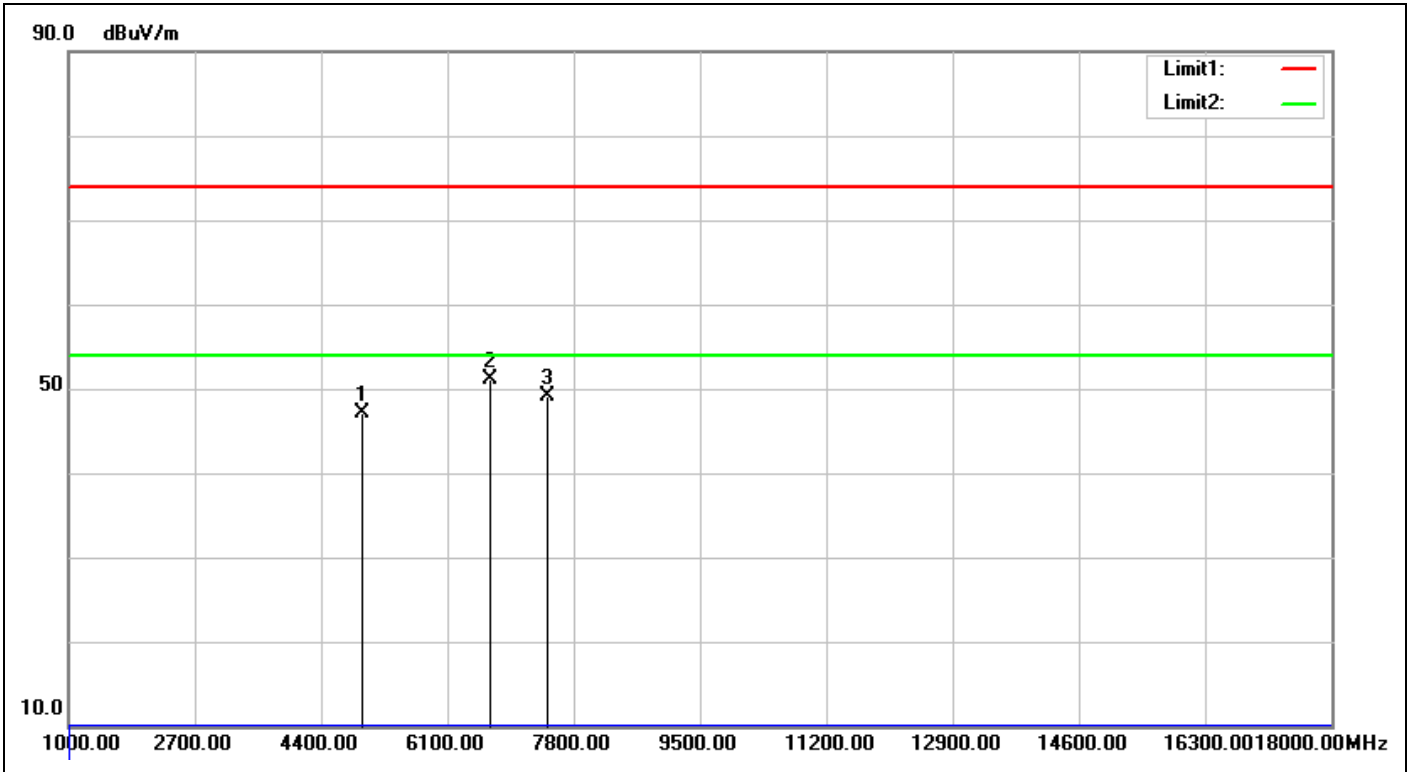
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:11:49</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-TX</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	4880.000	-2.10	48.97	46.87	74.00	-27.13	peak			
2	6389.000	5.61	45.58	51.19	74.00	-22.81	peak	100	261	
3	7320.000	6.10	44.17	50.27	74.00	-23.73	peak			



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:23:01</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-TX</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	4960.000	-1.91	49.87	47.96	74.00	-26.04	peak			
2	6032.000	4.26	46.21	50.47	74.00	-23.53	peak	100	296	
3	7440.000	6.44	43.08	49.52	74.00	-24.48	peak			



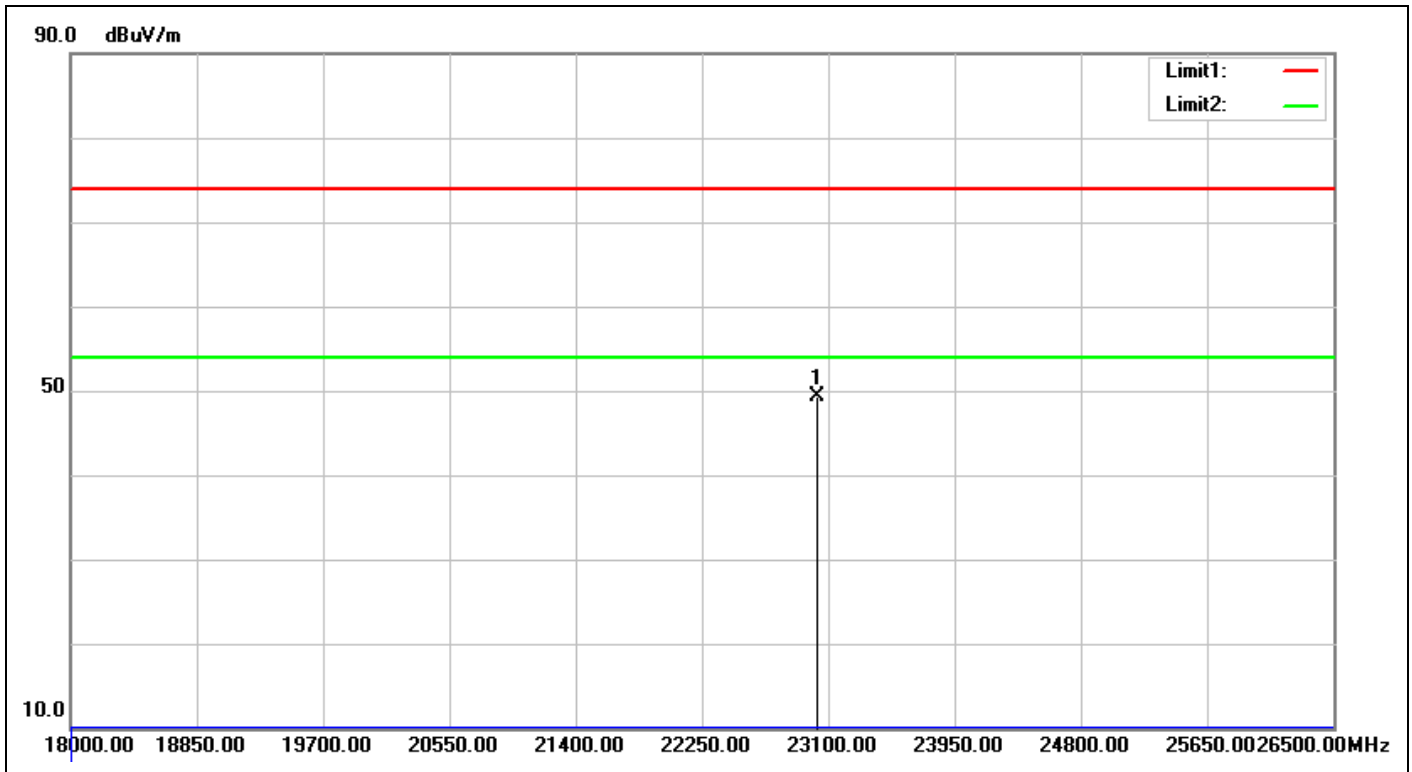
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<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:24:03</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-TX</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	4960.000	-1.91	49.05	47.14	74.00	-26.86	peak			
2	6678.000	5.72	45.33	51.05	74.00	-22.95	peak	100	305	
3	7440.000	6.44	42.59	49.03	74.00	-24.97	peak			

# Spurious Emissions, TX Mode, 18-26G

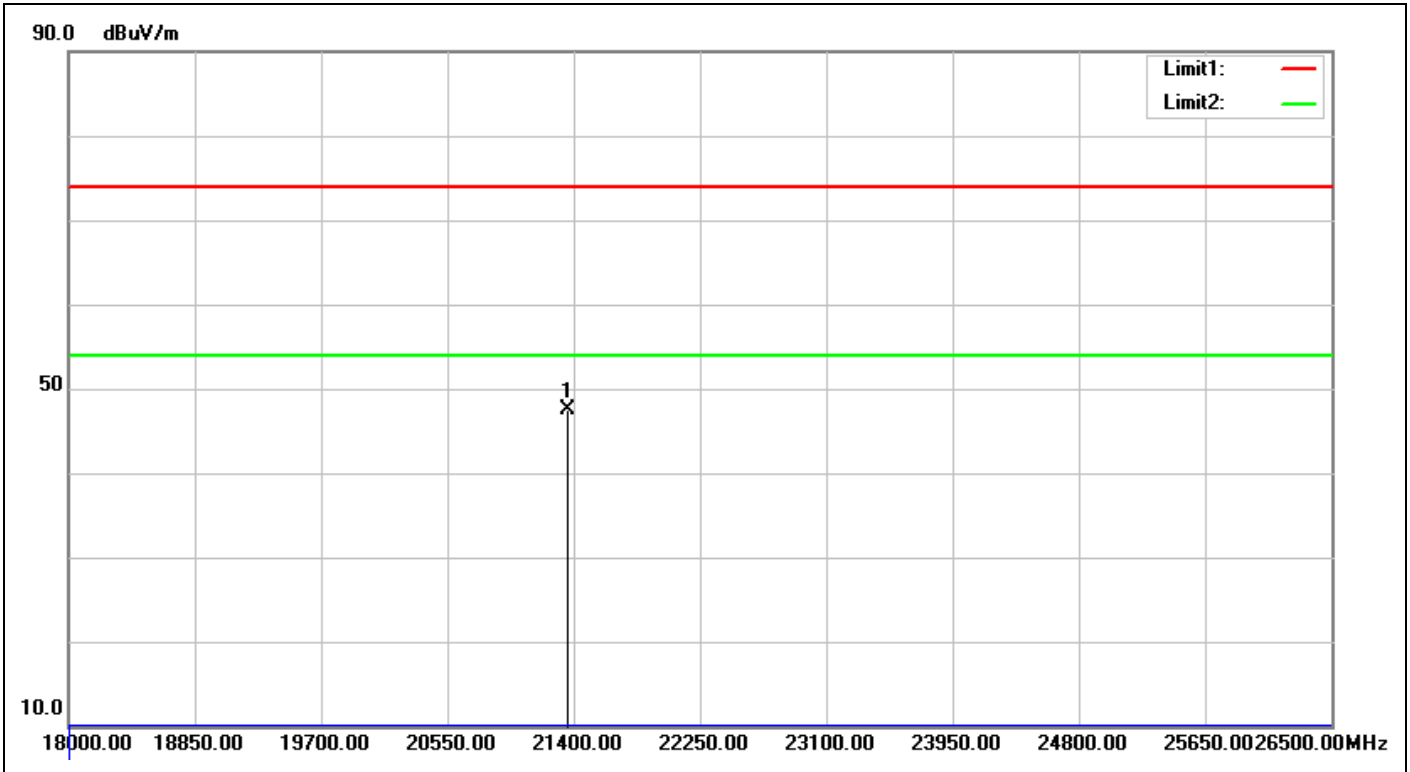


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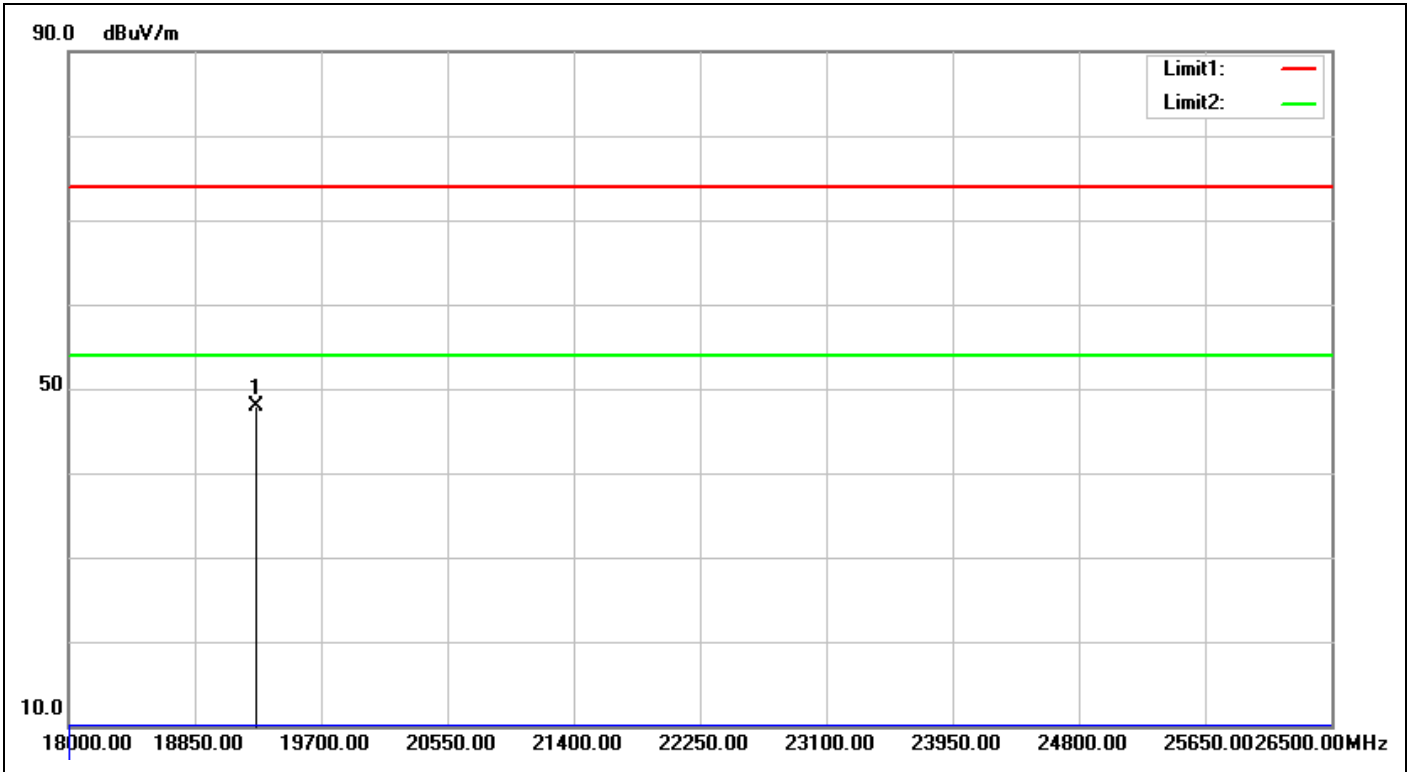
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:58:12</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2402-TX</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	23023.500	30.46	18.91	49.37	74.00	-24.63	peak		0	



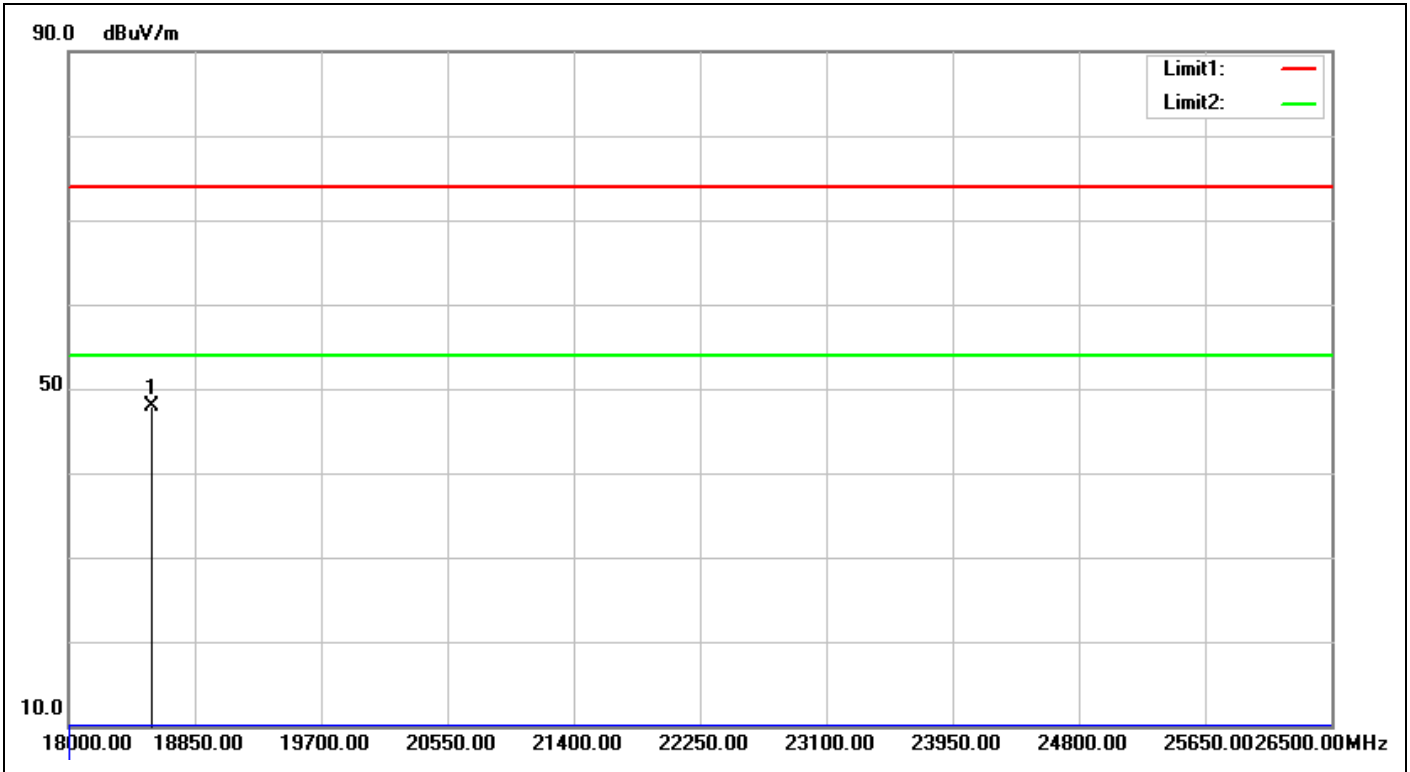
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<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:58:17</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2402-TX</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	21357.500	29.63	17.85	47.48	74.00	-26.52	peak			



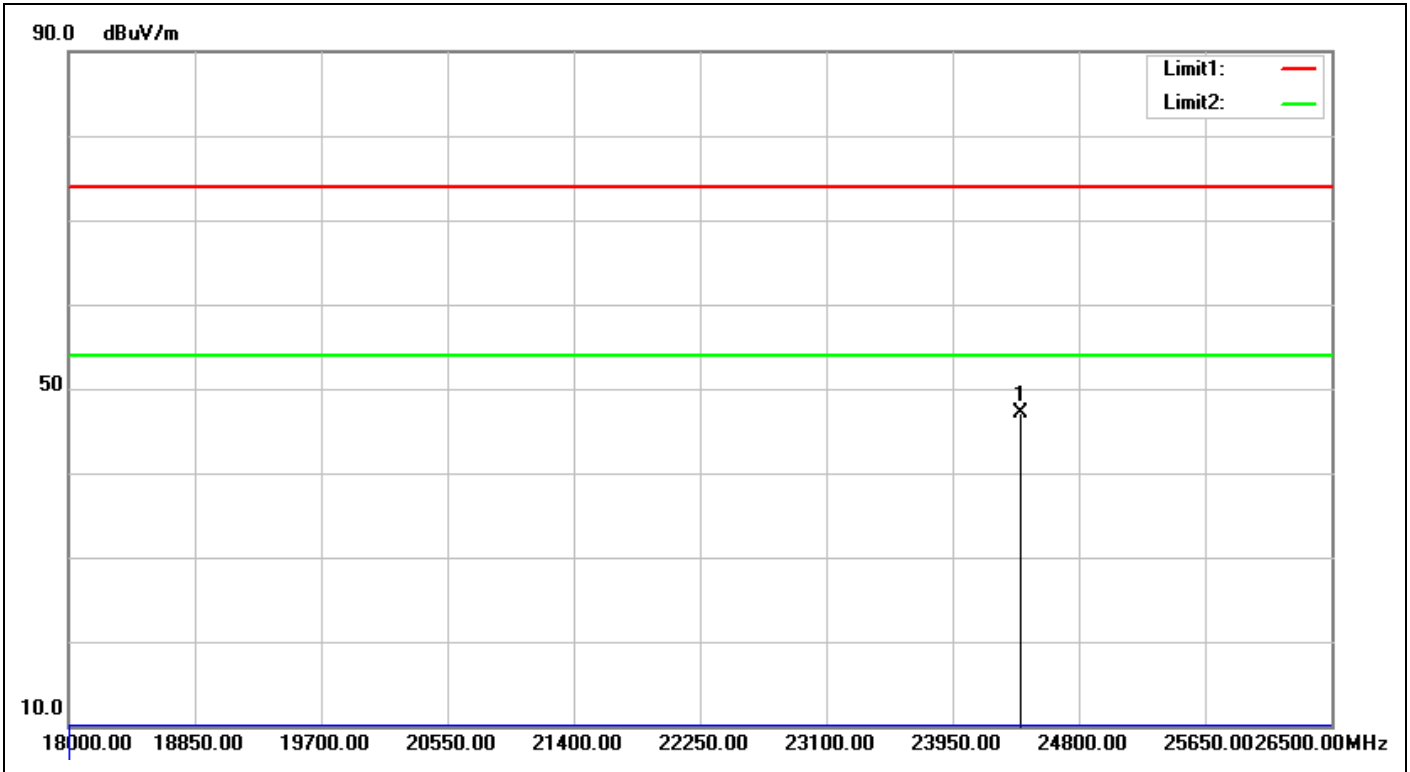
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:58:30</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-TX</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	19266.500	29.50	18.38	47.88	74.00	-26.12	peak			



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:58:36</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-TX</b>		
<b>Remark:</b>			

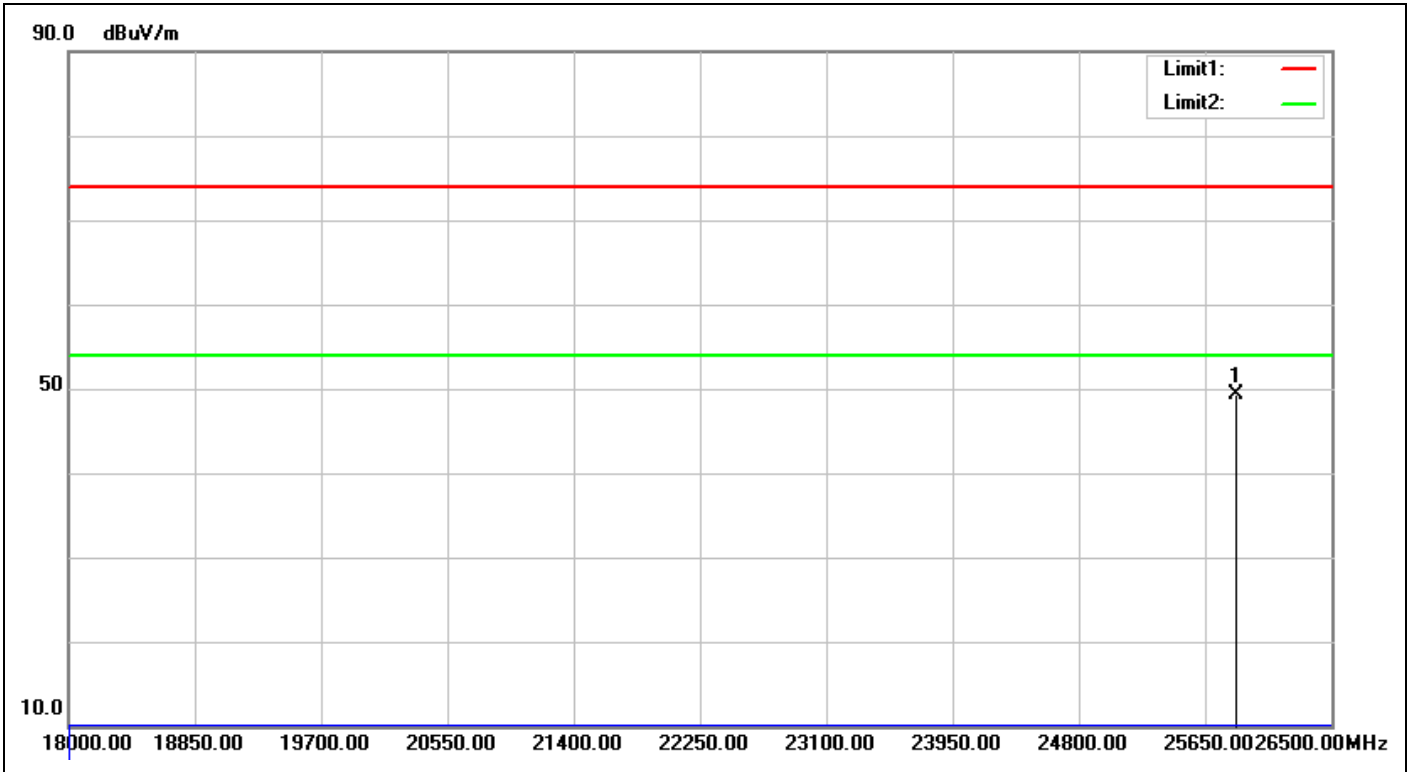
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18561.000	28.98	18.87	47.85	74.00	-26.15	peak			



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:58:48</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-TX</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	24409.000	30.30	16.72	47.02	74.00	-26.98	peak			





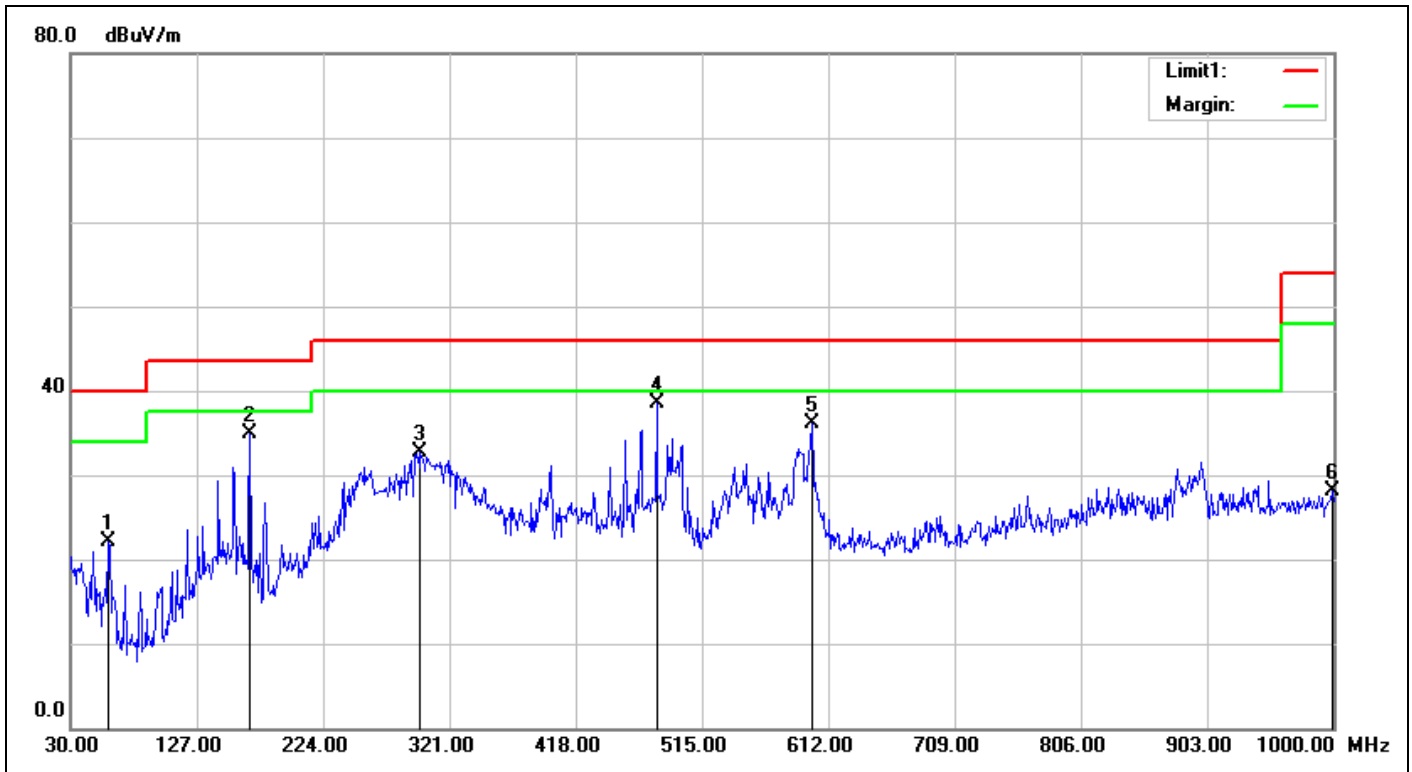
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:58:56</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-TX</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	25862.500	32.28	17.12	49.40	74.00	-24.60	peak			

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



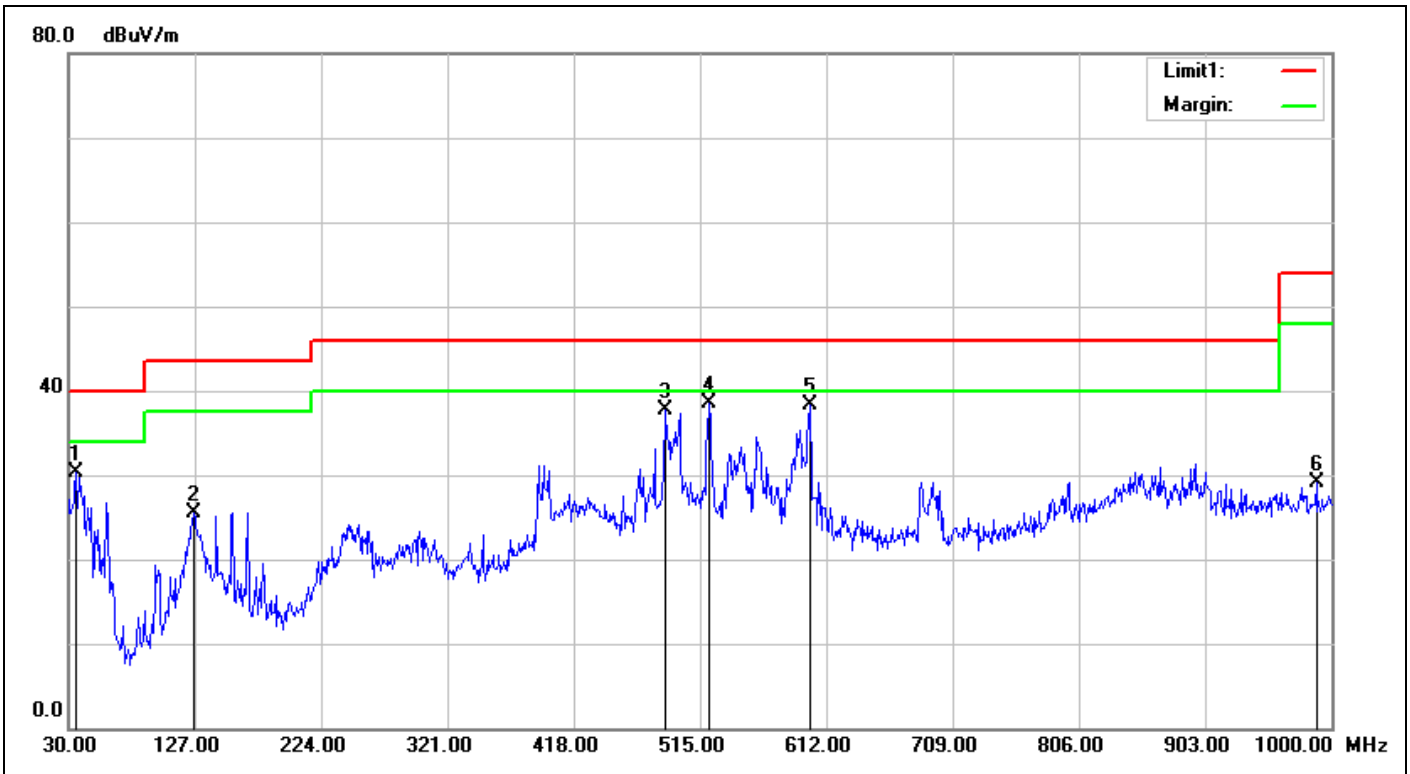
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<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 19:48:27</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-TX</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	59.1000	-19.49	41.54	22.05	40.00	-17.95	QP	100	252	
2	167.7400	-14.60	49.44	34.84	43.50	-8.66	QP	100	305	
3	298.6899	-10.49	43.11	32.62	46.00	-13.38	QP	100	260	
4	480.0799	-7.59	46.00	38.41	46.00	-7.59	QP	100	222	
5	599.3899	-6.00	42.12	36.12	46.00	-9.88	QP	100	219	
6	999.0299	0.00	28.02	28.02	54.00	-25.98	QP	100	54	

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



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC 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>2016/3/22 19:49:30</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-TX</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	35.8200	-9.10	39.40	30.30	40.00	-9.70	QP	100	147	
2	126.0300	-12.80	38.37	25.57	43.50	-17.93	QP	100	230	
3	487.8400	-7.48	45.11	37.63	46.00	-8.37	QP	100	301	
4	521.7900	-7.17	45.76	38.59	46.00	-7.41	QP	100	139	
5	599.3900	-6.00	44.27	38.27	46.00	-7.73	QP	100	144	
6	988.3600	-0.11	29.13	29.02	54.00	-24.98	QP	100	238	

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

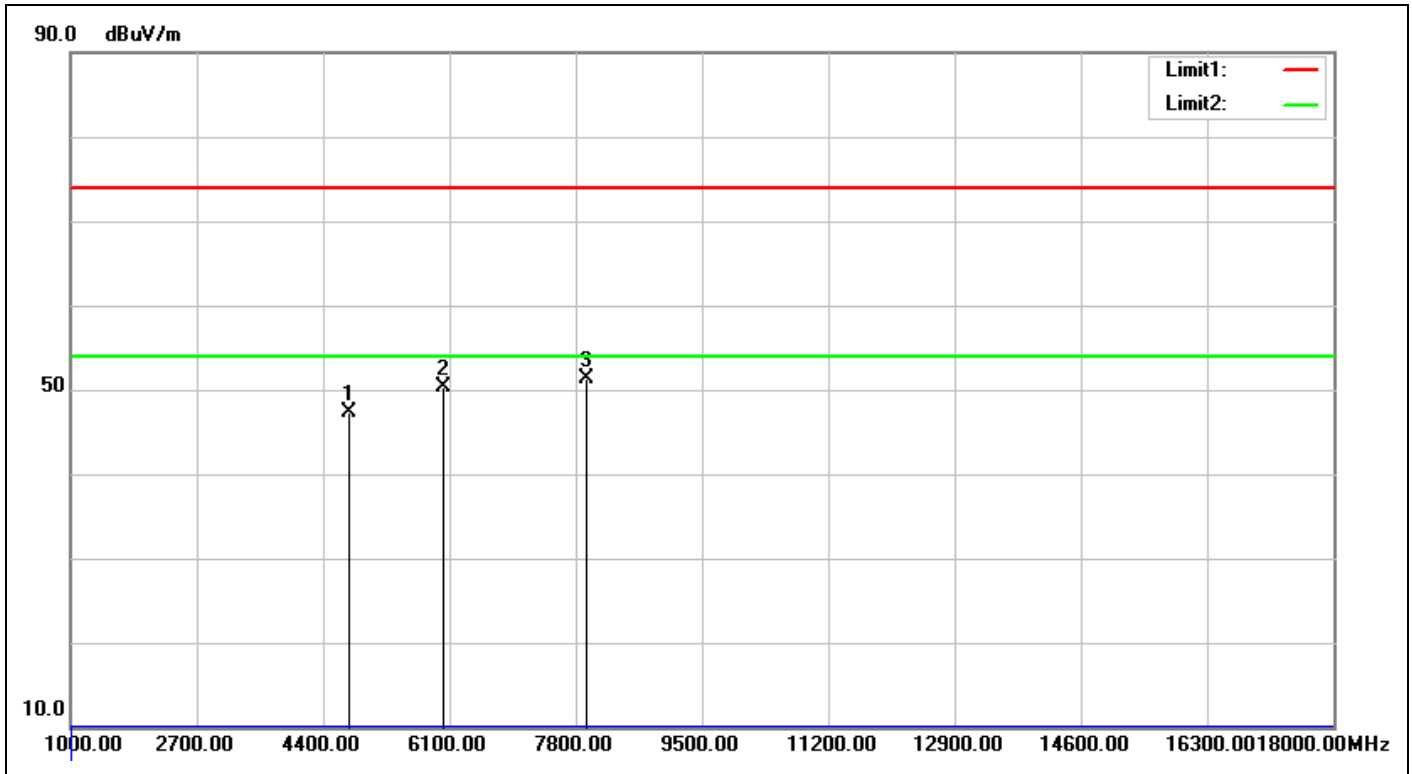
# Spurious Emissions, RX Mode, 1-18G



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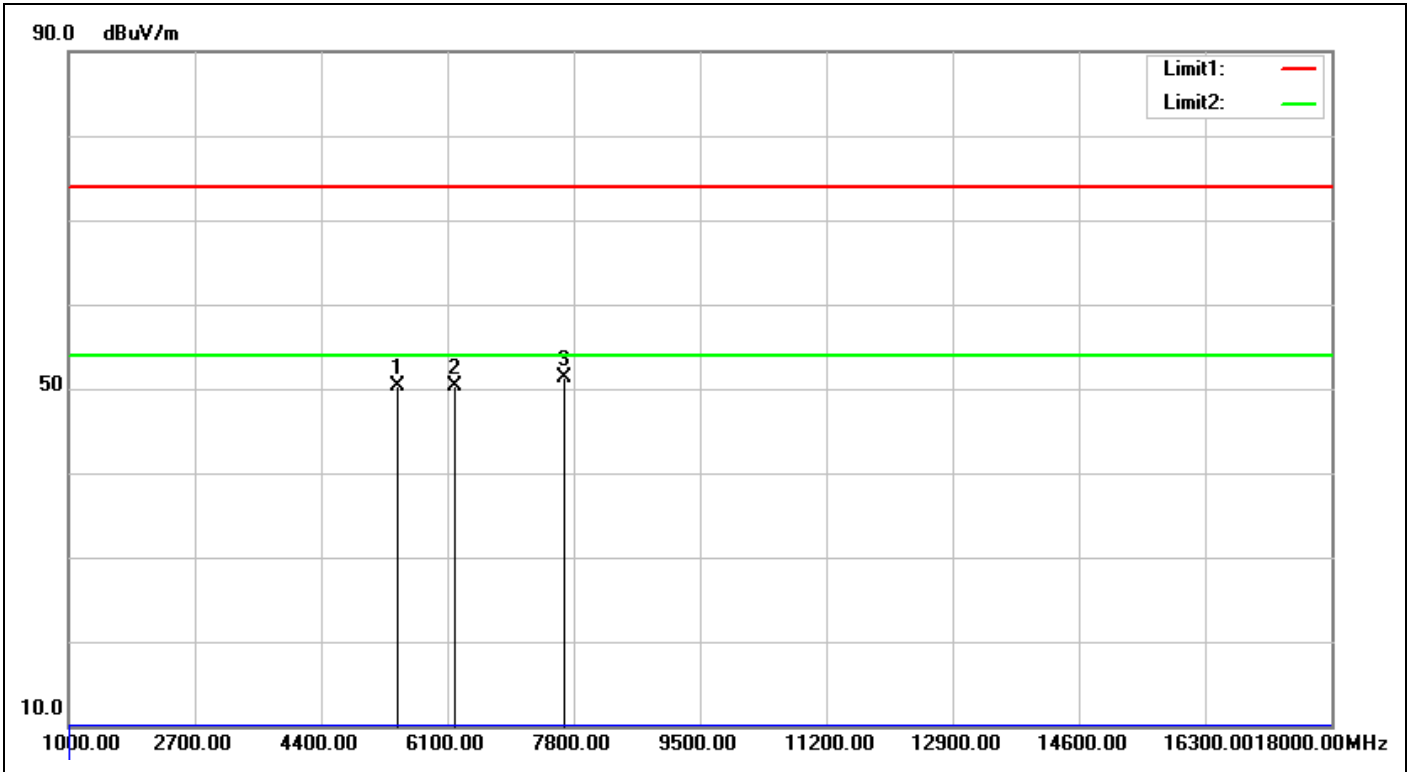
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



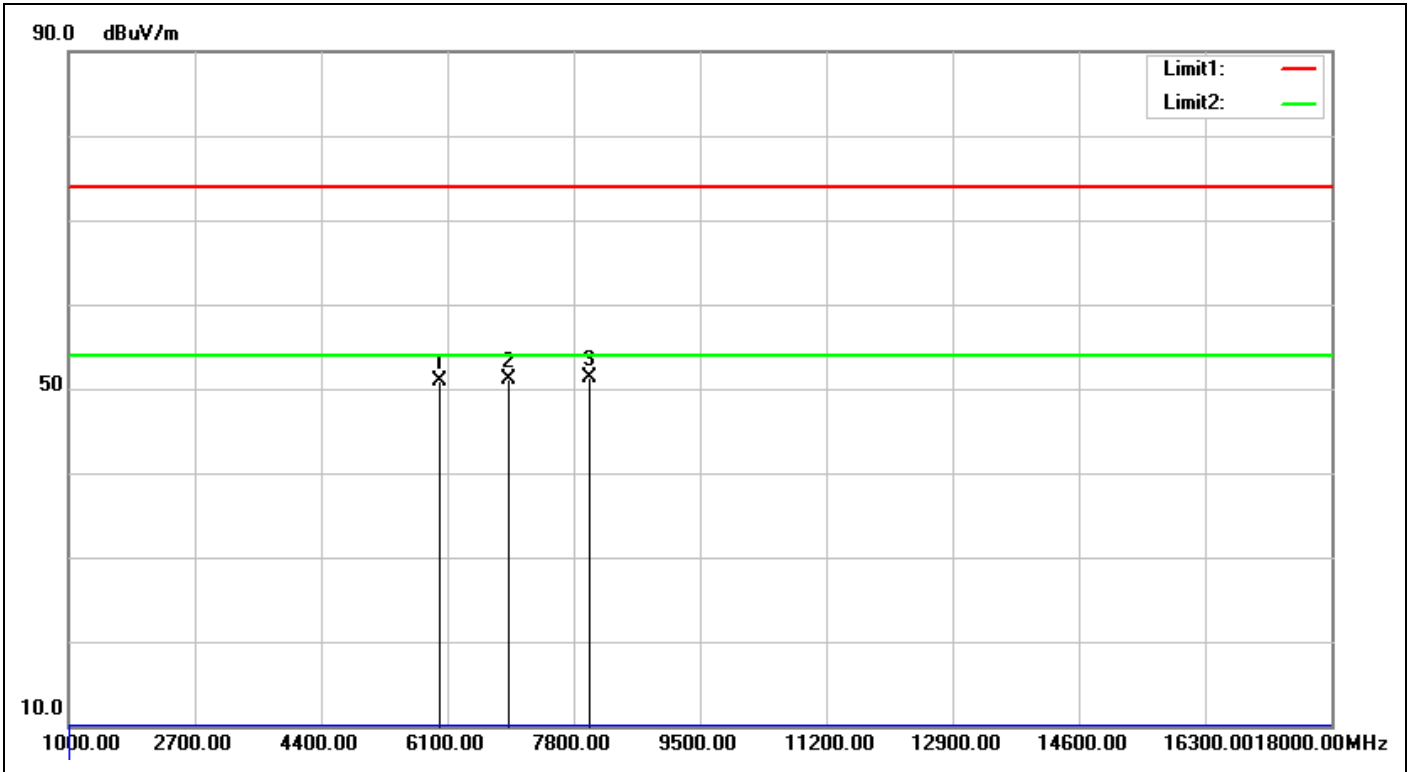
<b>Service No.:</b>	114047316-NCC	<b>Test Distance:</b>	3m
<b>Test Standard:</b>	NCC Above 1G PEAK	<b>Ant. Polarization:</b>	Horizontal
<b>Test item:</b>	Radiation Emission	<b>Test Time:</b>	2016/3/22 21:30:01
<b>Applicant:</b>	Microchip	<b>Test Rating:</b>	DC 3.3 V
<b>Product:</b>	Bluetooth Module	<b>Temp.(°C)/Hum.(%):</b>	19.5(°C)/63%
<b>Model No.:</b>	FCC:BM62SPKabcC2	<b>Test Engineer:</b>	George Yang
	NCC:BM62SPKS1MC2		
<b>Test Mode:</b>	2402-RX		
<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	4757.000	-2.40	49.78	47.38	74.00	-26.62	peak	100	155	
2	6015.000	4.19	46.17	50.36	74.00	-23.64	peak	100	77	
3	7936.000	6.57	44.65	51.22	74.00	-22.78	peak	100	360	



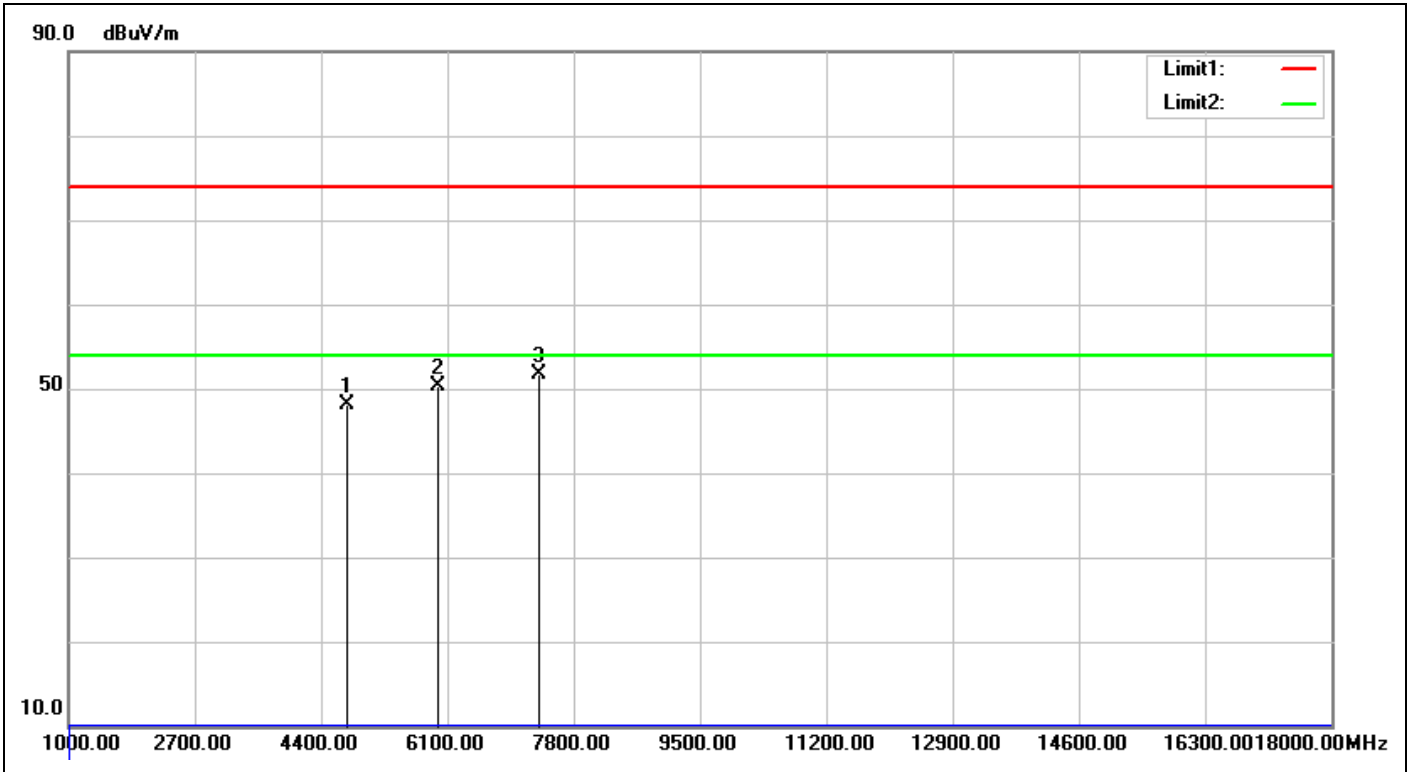
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:31:03</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2402-RX</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	5420.000	0.41	49.94	50.35	74.00	-23.65	peak	100	333	
2	6202.000	4.89	45.35	50.24	74.00	-23.76	peak	100	67	
3	7664.000	6.59	44.80	51.39	74.00	-22.61	peak	100	205	



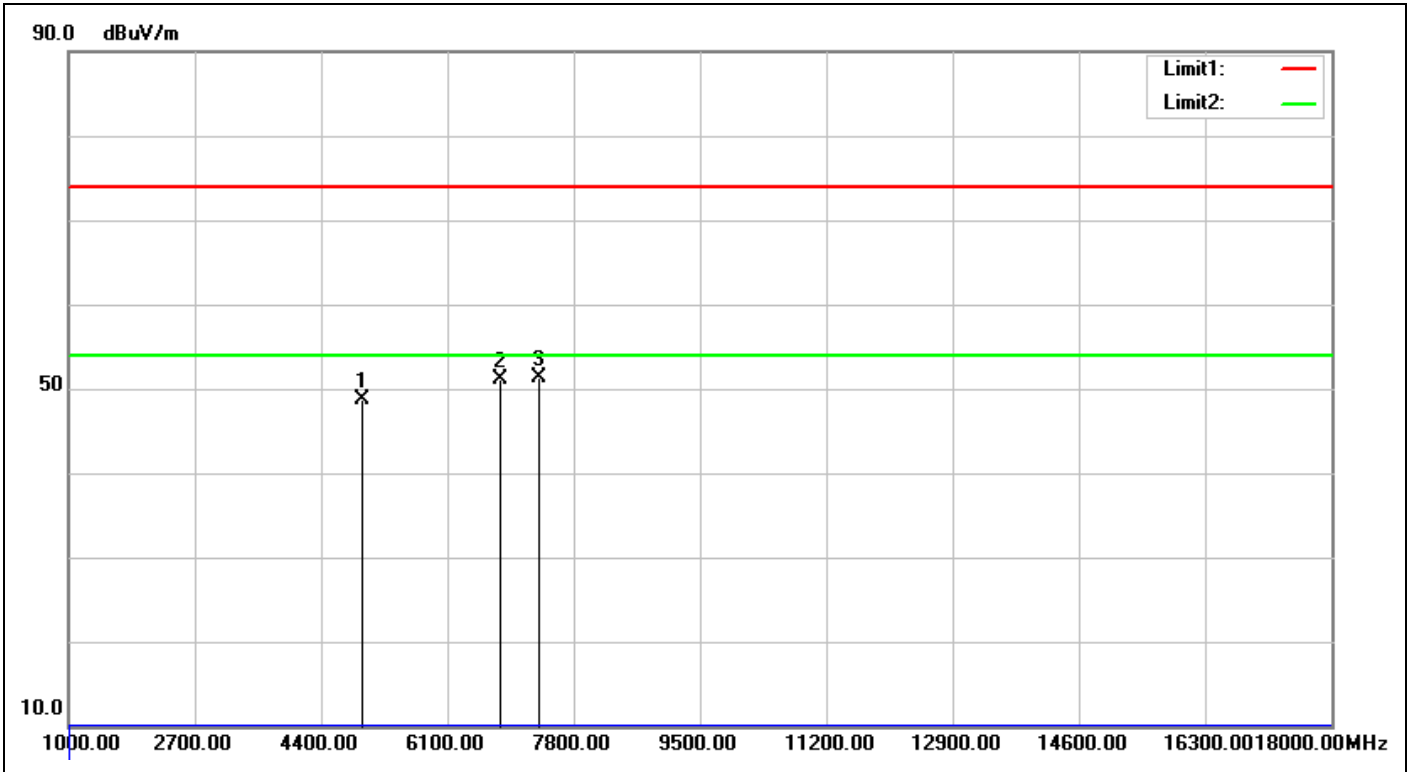
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:44:32</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-RX</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	5998.000	4.12	46.73	50.85	74.00	-23.15	peak	100	152	
2	6933.000	5.30	45.73	51.03	74.00	-22.97	peak	100	282	
3	8004.000	6.56	44.72	51.28	74.00	-22.72	peak	100	50	



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:45:34</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-RX</b>		
<b>Remark:</b>			

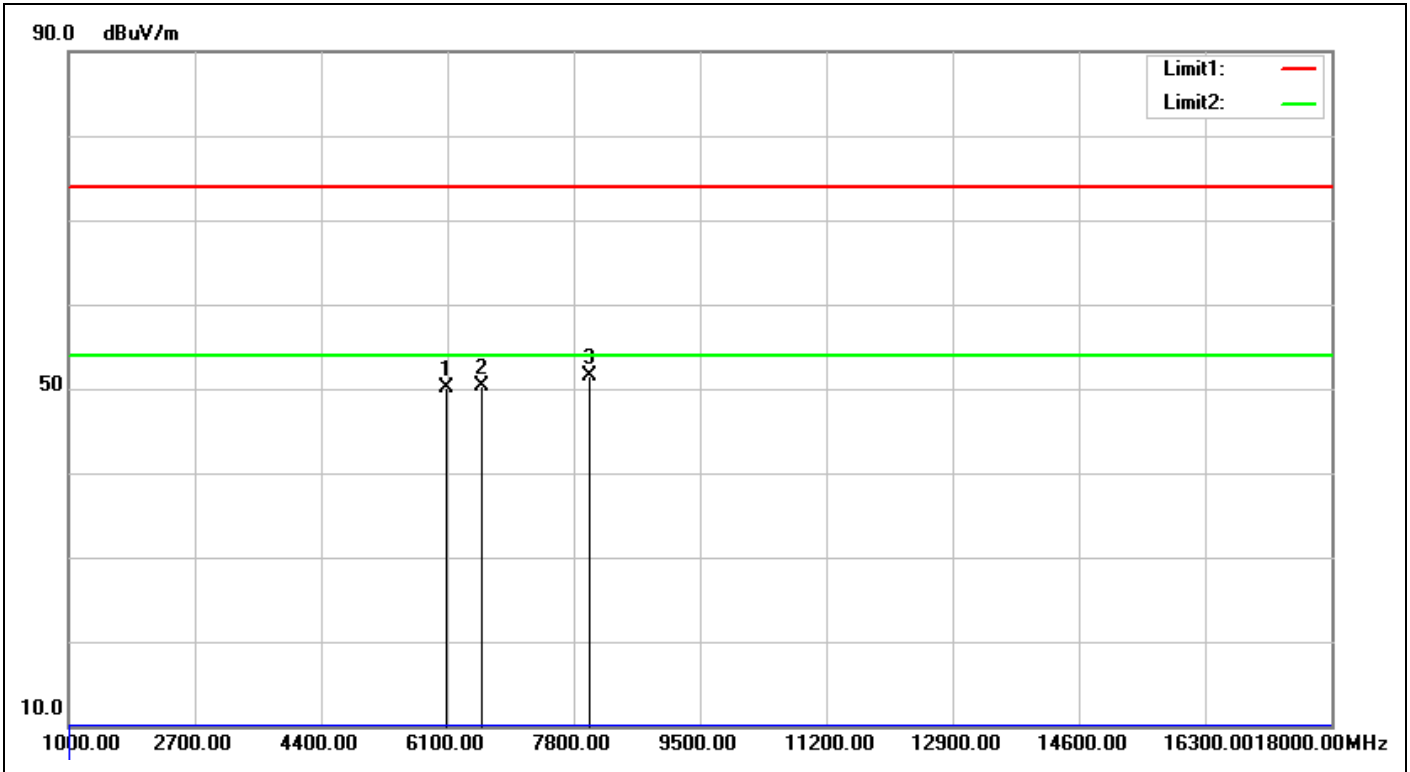
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-2.40	50.54	48.14	74.00	-25.86	peak	100	87	
2	5964.000	3.89	46.39	50.28	74.00	-23.72	peak	100	114	
3	7341.000	6.16	45.55	51.71	74.00	-22.29	peak	100	231	



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:48:26</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-RX</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	4944.000	-1.93	50.73	48.80	74.00	-25.20	peak	100	205	
2	6814.000	5.50	45.52	51.02	74.00	-22.98	peak	100	161	
3	7341.000	6.16	45.15	51.31	74.00	-22.69	peak	100	138	





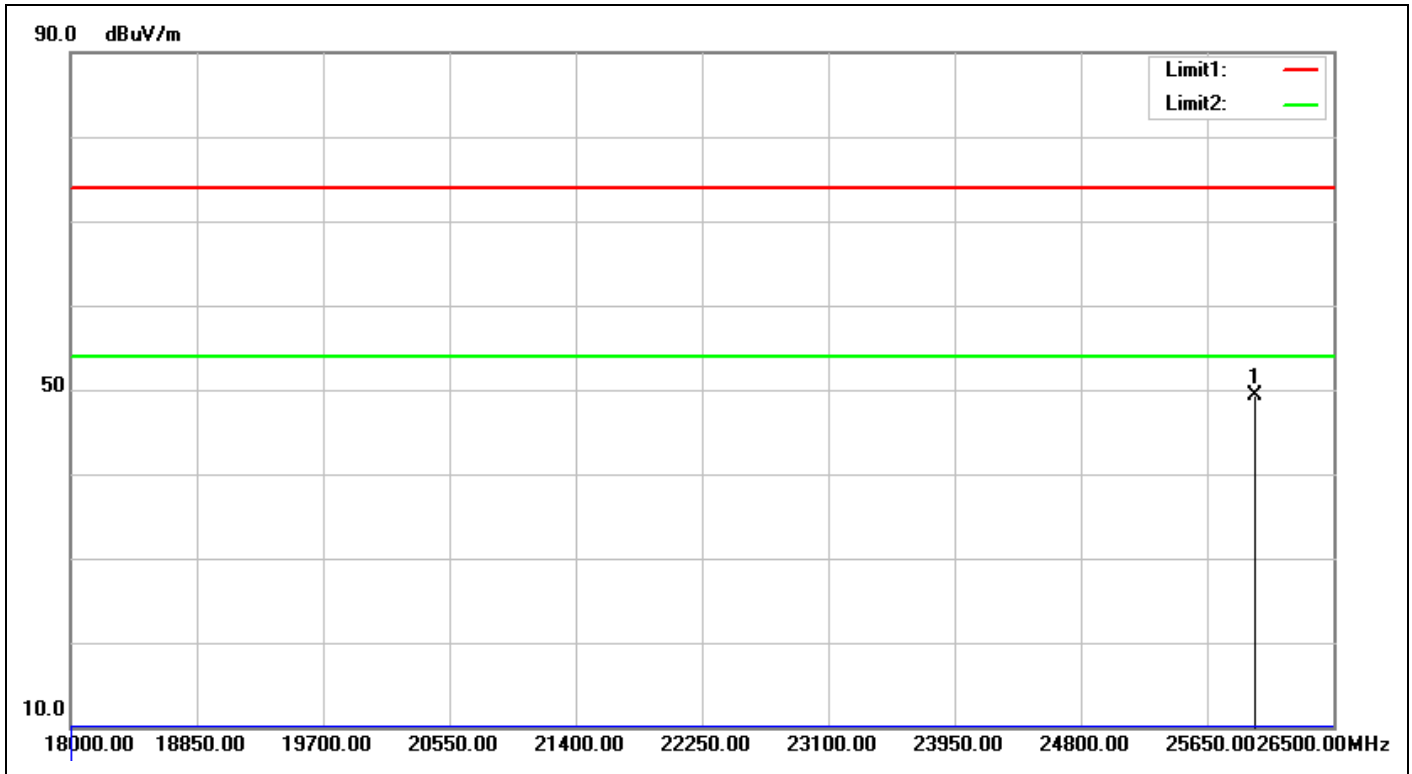
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 21:49:28</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-RX</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	6083.000	4.45	45.62	50.07	74.00	-23.93	peak	100	175	
2	6559.000	5.92	44.34	50.26	74.00	-23.74	peak	100	217	
3	8021.000	6.57	44.96	51.53	74.00	-22.47	peak	100	20	

# Spurious Emissions, RX Mode, 18-26G

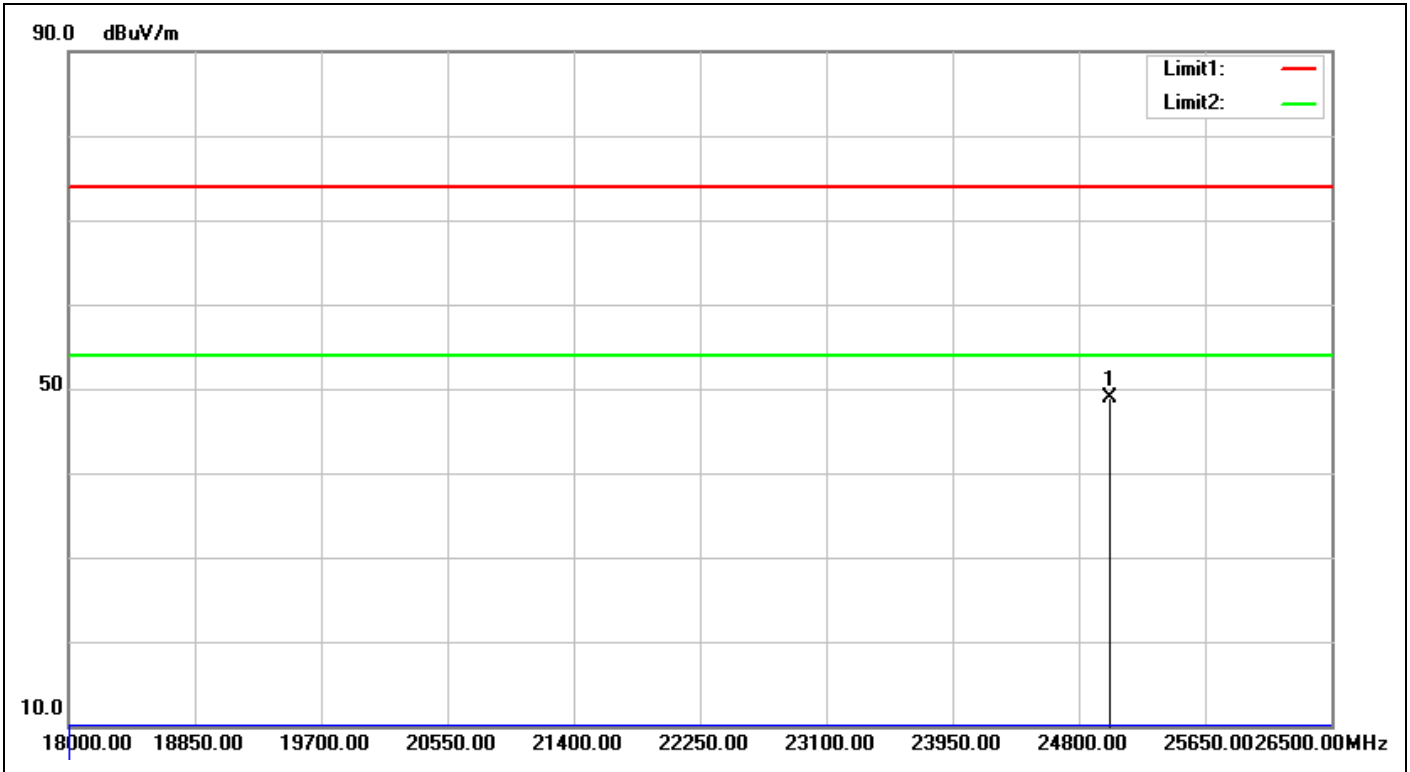


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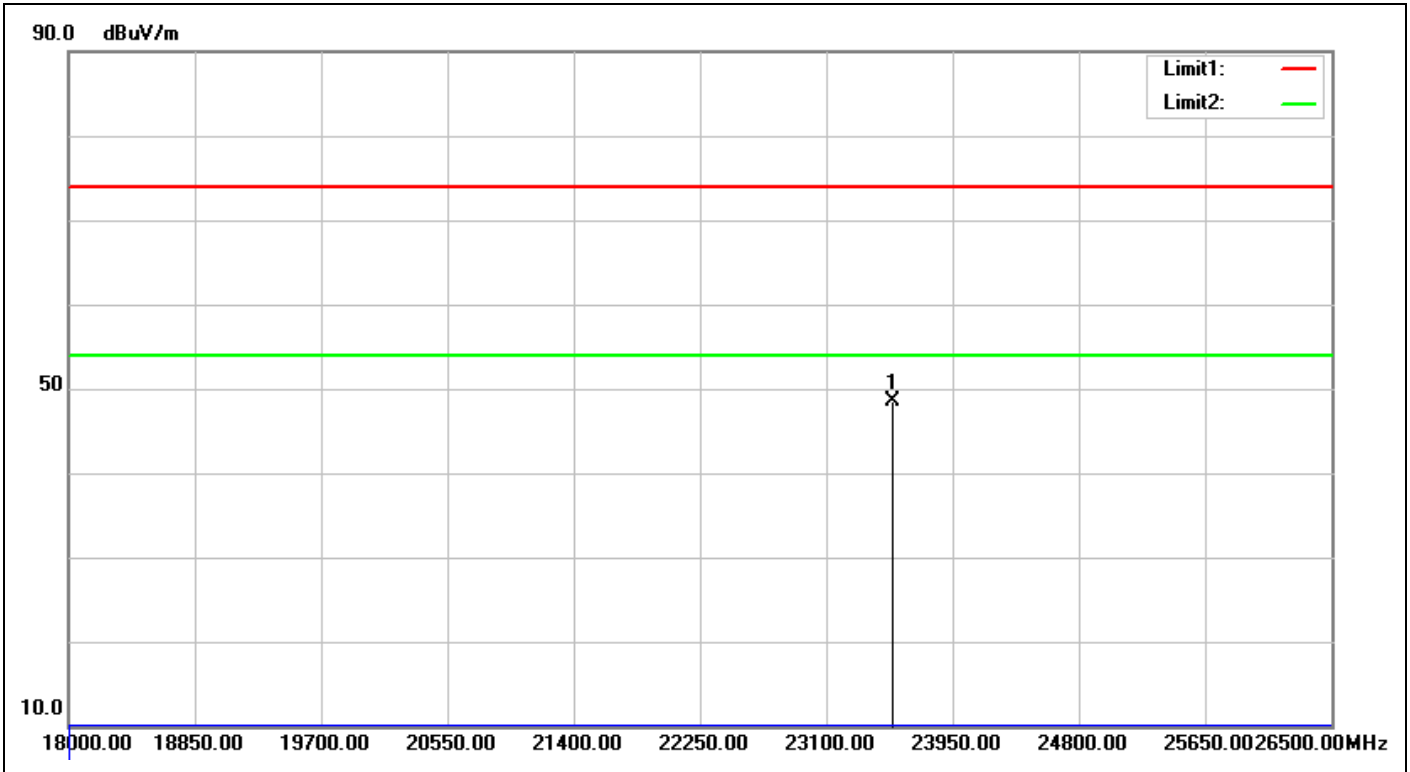
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:59:12</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2402-RX</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	25973.000	32.42	16.92	49.34	74.00	-24.66	peak			



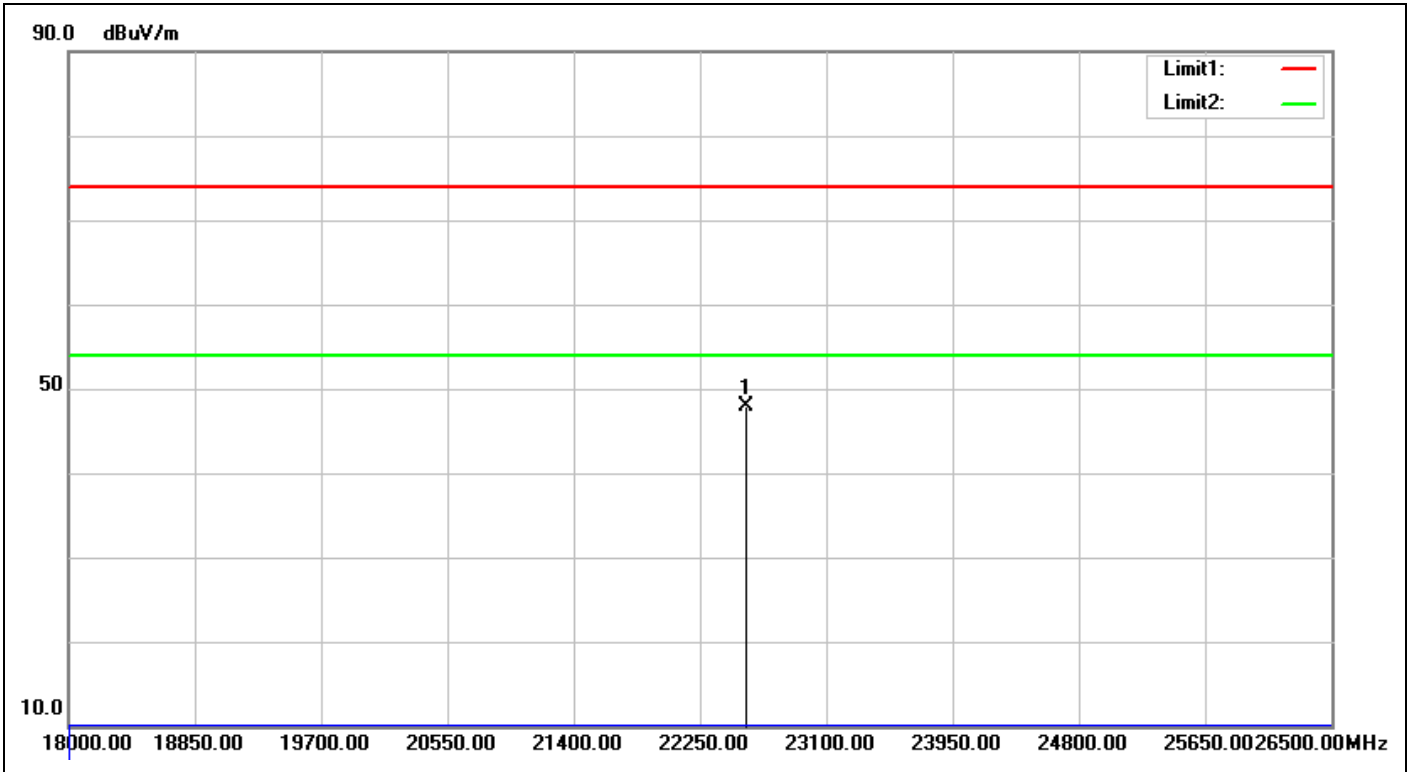
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:59:18</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2402-RX</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	25004.000	31.25	17.67	48.92	74.00	-25.08	peak			



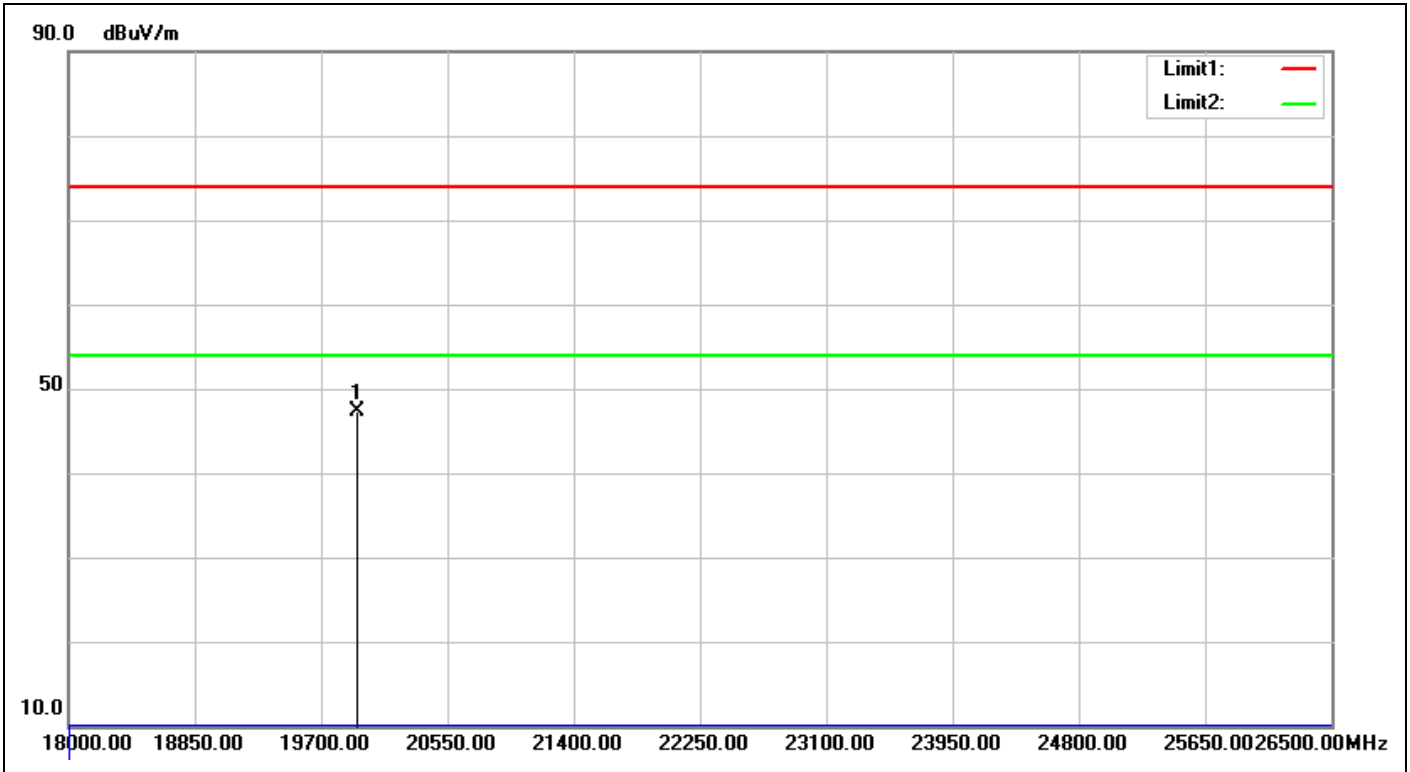
<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:59:33</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-RX</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	23542.000	29.98	18.58	48.56	74.00	-25.44	peak			



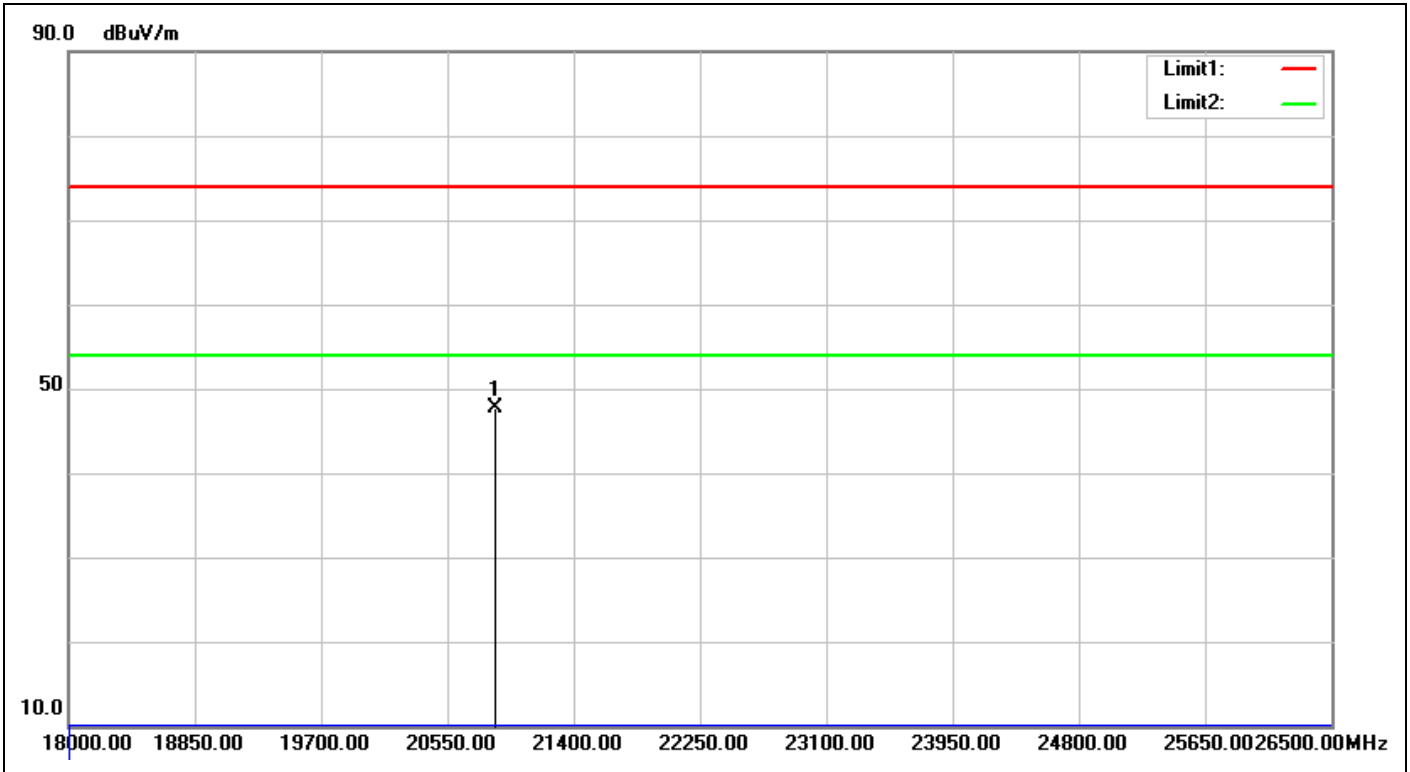
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<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:59:39</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-RX</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	22564.500	29.84	18.08	47.92	74.00	-26.08	peak			



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 22:59:52</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-RX</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	19946.500	29.57	17.64	47.21	74.00	-26.79	peak			



<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 23:00:01</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2480-RX</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	20873.000	29.95	17.83	47.78	74.00	-26.22	peak			

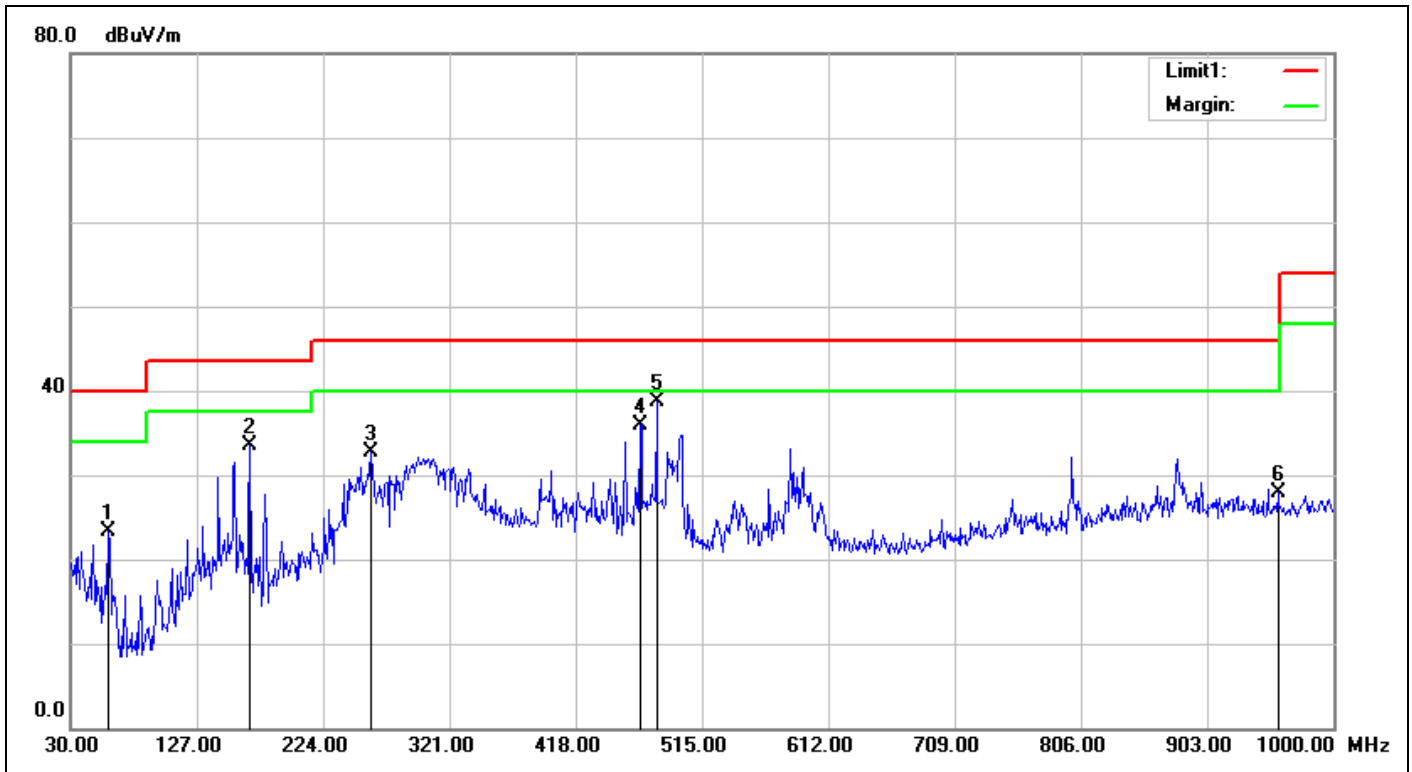
# Spurious Emissions, RX Mode, 30M-1G



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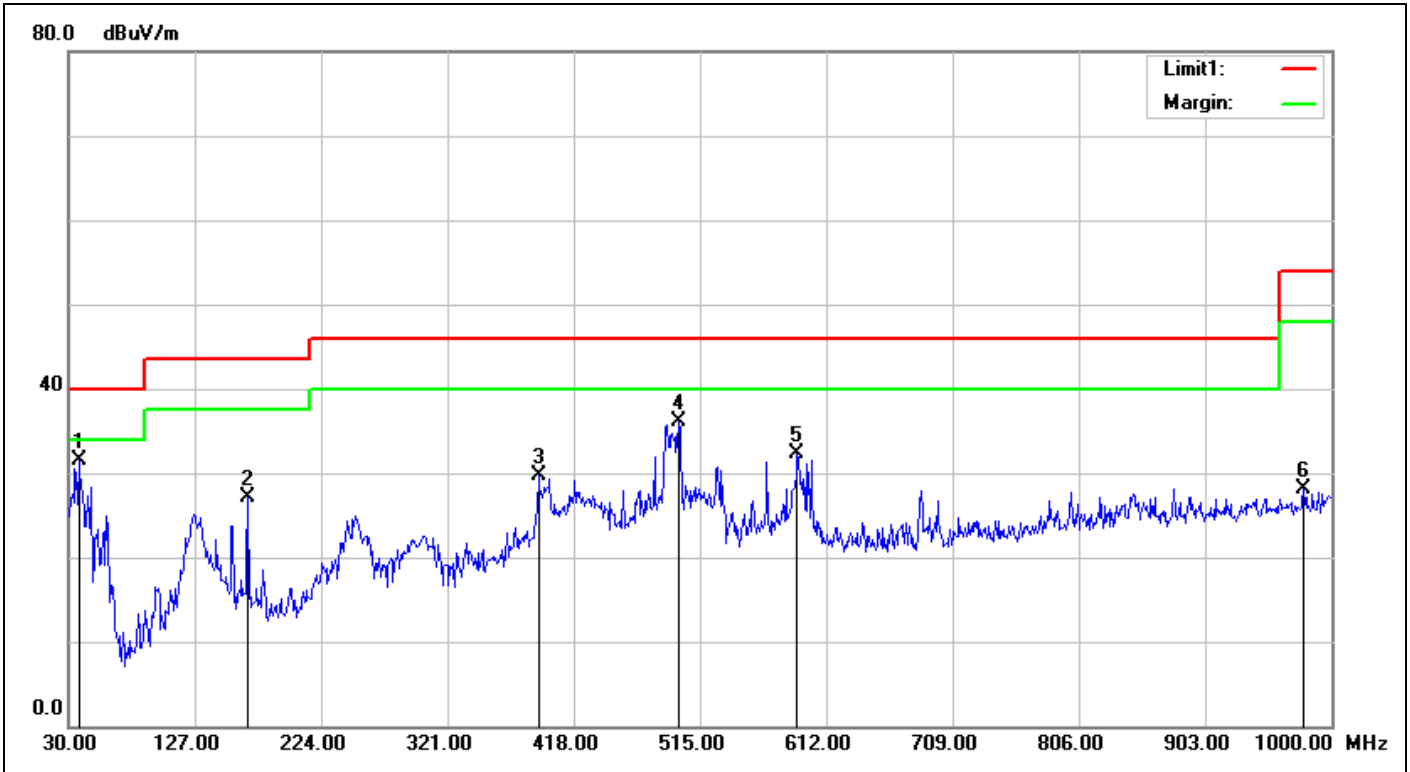


Service No.:	114047316-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/3/22 19:51:47
Applicant:	Microchip	Test Rating:	DC 3.3 V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	19.5(°C)/63%
Model No.:	FCC:BM62SPKabcC2	Test Engineer:	George Yang
	NCC:BM62SPKS1MC2		
Test Mode:	2440-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	59.1000	-19.49	42.77	23.28	40.00	-16.72	QP	100	245	
2	167.7400	-14.60	48.02	33.42	43.50	-10.08	QP	100	285	
3	260.8599	-10.85	43.58	32.73	46.00	-13.27	QP	100	258	
4	467.4700	-7.78	43.74	35.96	46.00	-10.04	QP	100	214	
5	480.0799	-7.59	46.36	38.77	46.00	-7.23	QP	100	230	
6	957.3200	-0.45	28.26	27.81	46.00	-18.19	QP	100	320	

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

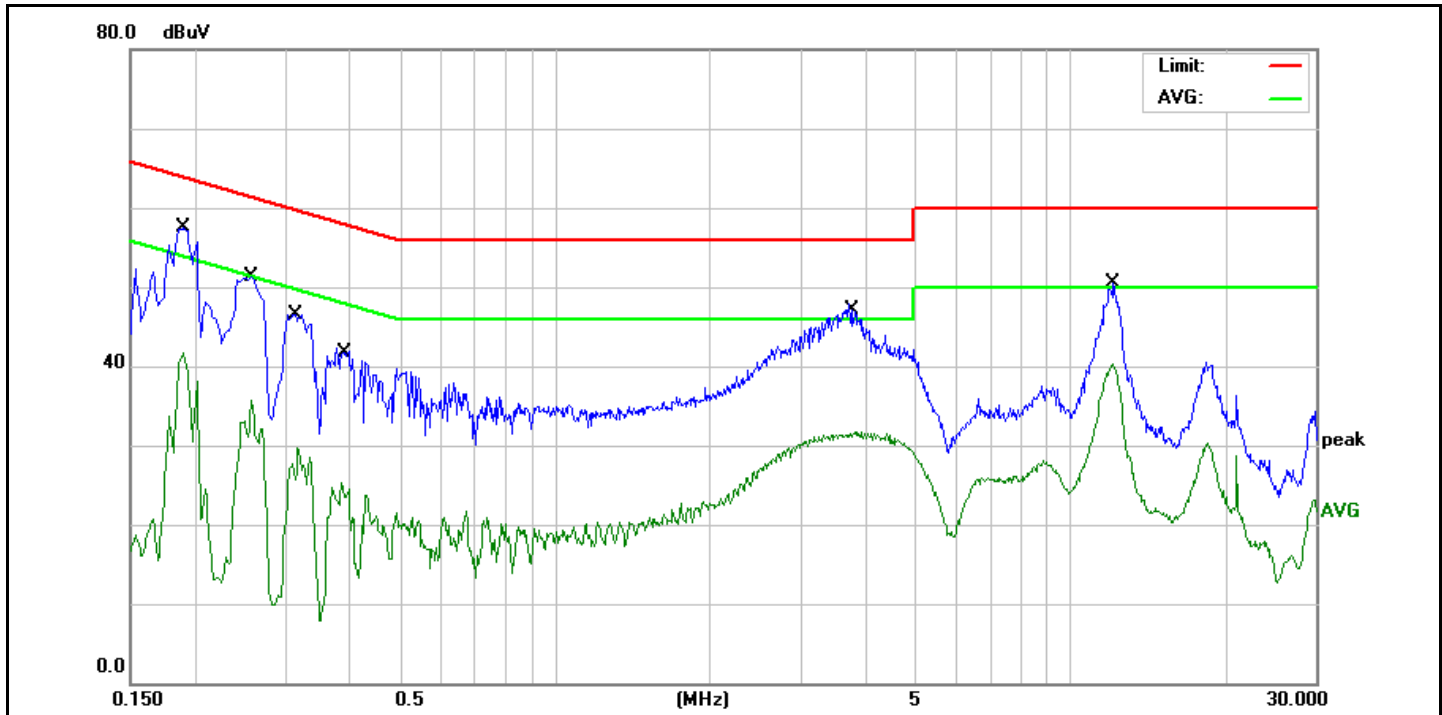




<b>Service No.:</b>	<b>114047316-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/3/22 19:52:50</b>
<b>Applicant:</b>	<b>Microchip</b>	<b>Test Rating:</b>	<b>DC 3.3 V</b>
<b>Product:</b>	<b>Bluetooth Module</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.5(°C)/63%</b>
<b>Model No.:</b>	<b>FCC:BM62SPKabcC2</b>	<b>Test Engineer:</b>	<b>George Yang</b>
	<b>NCC:BM62SPKS1MC2</b>		
<b>Test Mode:</b>	<b>2440-RX</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	37.7599	-10.20	41.77	31.57	40.00	-8.43	QP	100	195	
2	167.7400	-14.60	41.68	27.08	43.50	-16.42	QP	100	166	
3	390.8400	-8.80	38.47	29.67	46.00	-16.33	QP	100	210	
4	498.5100	-7.32	43.42	36.10	46.00	-9.90	QP	100	309	
5	589.6900	-6.20	38.44	32.24	46.00	-13.76	QP	100	288	
6	978.6600	-0.22	28.34	28.12	54.00	-25.88	QP	100	282	

# Mains Spurious Emissions

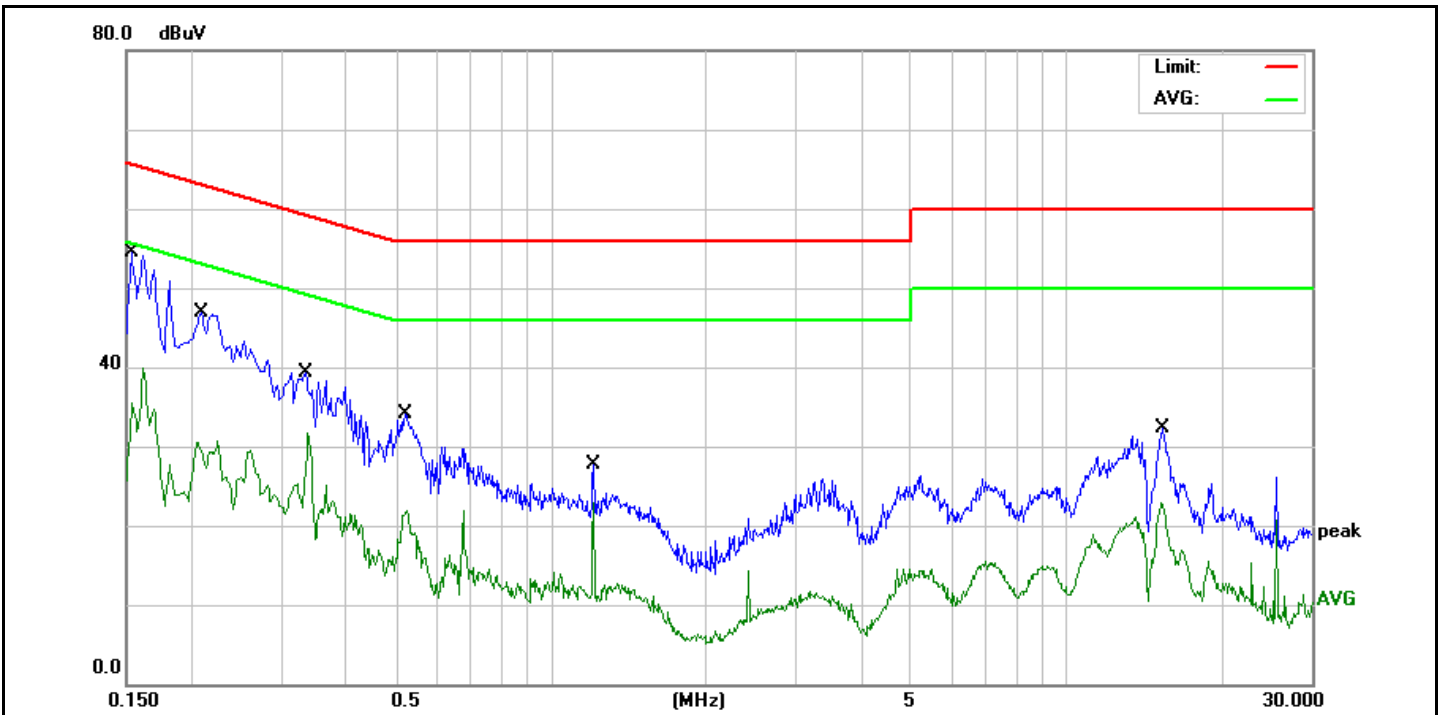


Service No.: 114047316(FCC:BM62SPKabcC2)  
 Test Standard: FCC Class B Conduction(QP)  
 Test item: Conducted Emission Phase: L1  
 Applicant: Microchip Temp.(°C)/Hum.(%): 20.6(°C) / 52 %  
 Product: Class II Module (Shielding) Power Rating: AC 120V/60Hz  
 Model No.: FCC:BM62SPKabcC2 Test Engineer: Kai Wang  
 NCC:BM62SPKS1MC2

Test Mode: (b) Charge mode

Remark:Remark:

No.	Frequency (MHz)	Factor ( )	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1620	9.65	40.03	49.68	65.36	-15.68	QP	P	
2	0.1620	9.65	26.22	35.87	55.36	-19.49	AVG	P	
3	0.2180	9.63	33.75	43.38	62.89	-19.51	QP	P	
4	0.2180	9.63	19.72	29.35	52.89	-23.54	AVG	P	
5	0.3379	9.63	27.04	36.67	59.25	-22.58	QP	P	
6	0.3379	9.63	21.63	31.26	49.25	-17.99	AVG	P	
7	0.5299	9.63	22.03	31.66	56.00	-24.34	QP	P	
8	0.5299	9.63	12.07	21.70	46.00	-24.30	AVG	P	
9	1.4420	9.63	19.10	28.73	56.00	-27.27	QP	P	
10	1.4420	9.63	10.30	19.93	46.00	-26.07	AVG	P	
11	15.5380	9.85	16.23	26.08	60.00	-33.92	QP	P	
12	15.5380	9.85	10.95	20.80	50.00	-29.20	AVG	P	



Service No.: 114047316(FCC:BM62SPKabcC2)  
 Test Standard: FCC Class B Conduction(QP)  
 Test item: Conducted Emission Phase: N  
 Applicant: Microchip Temp.(°C)/Hum.(%): 20.6(°C) / 52 %  
 Product: Class II Module (Shielding) Power Rating: AC 120V/60Hz  
 Model No.: FCC:BM62SPKabcC2 Test Engineer: Kai Wang  
 NCC:BM62SPKS1MC2

Test Mode: (b) Charge mode

Remark:Remark:

No.	Frequency (MHz)	Factor ( )	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	9.65	41.09	50.74	65.78	-15.04	QP	P	
2	0.1539	9.65	22.55	32.20	55.78	-23.58	AVG	P	
3	0.2100	9.63	34.53	44.16	63.20	-19.04	QP	P	
4	0.2100	9.63	19.67	29.30	53.20	-23.90	AVG	P	
5	0.3339	9.63	24.24	33.87	59.35	-25.48	QP	P	
6	0.3339	9.63	17.45	27.08	49.35	-22.27	AVG	P	
7	0.5220	9.63	20.98	30.61	56.00	-25.39	QP	P	
8	0.5220	9.63	11.98	21.61	46.00	-24.39	AVG	P	
9	1.2100	9.63	15.32	24.95	56.00	-31.05	QP	P	
10	1.2100	9.63	13.31	22.94	46.00	-23.06	AVG	P	
11	15.4540	9.84	16.54	26.38	60.00	-33.62	QP	P	
12	15.4540	9.84	11.24	21.08	50.00	-28.92	AVG	P	