

Test Report No.10048316 001

Appendix D: Radiated Spurious Emission Data

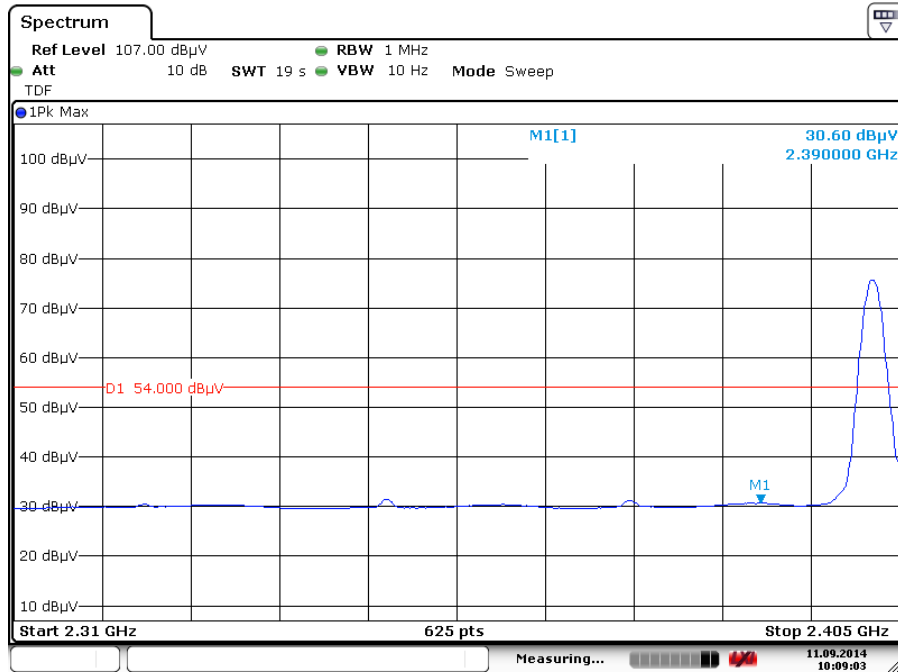
(File: 10048316AppendixD)

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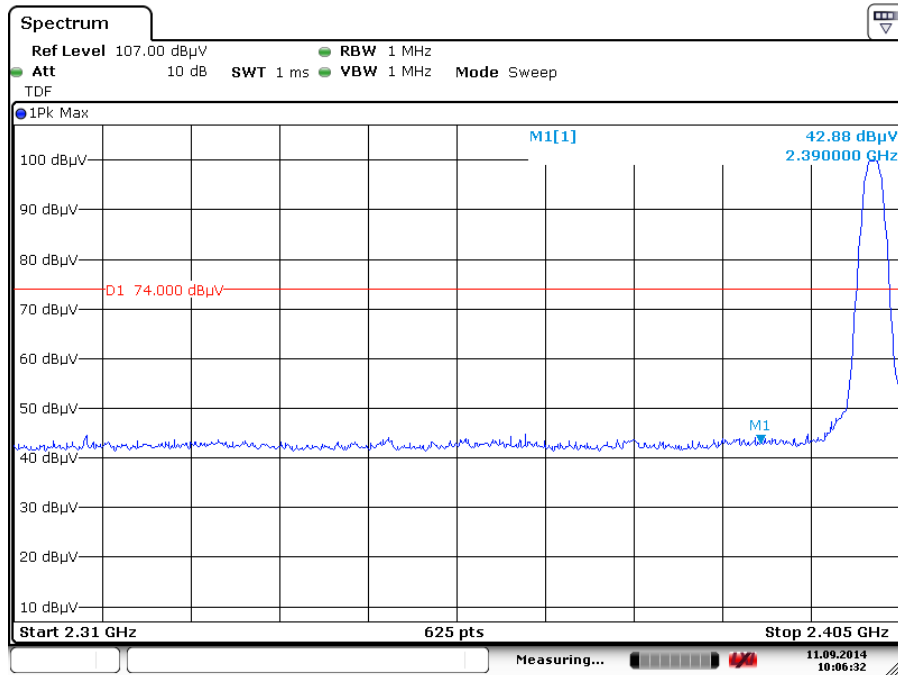
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Spurious Emissions, TX Mode, 1-18G.....	6
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Radiated Bandedge (GFSK)

Low Channel (Hor)

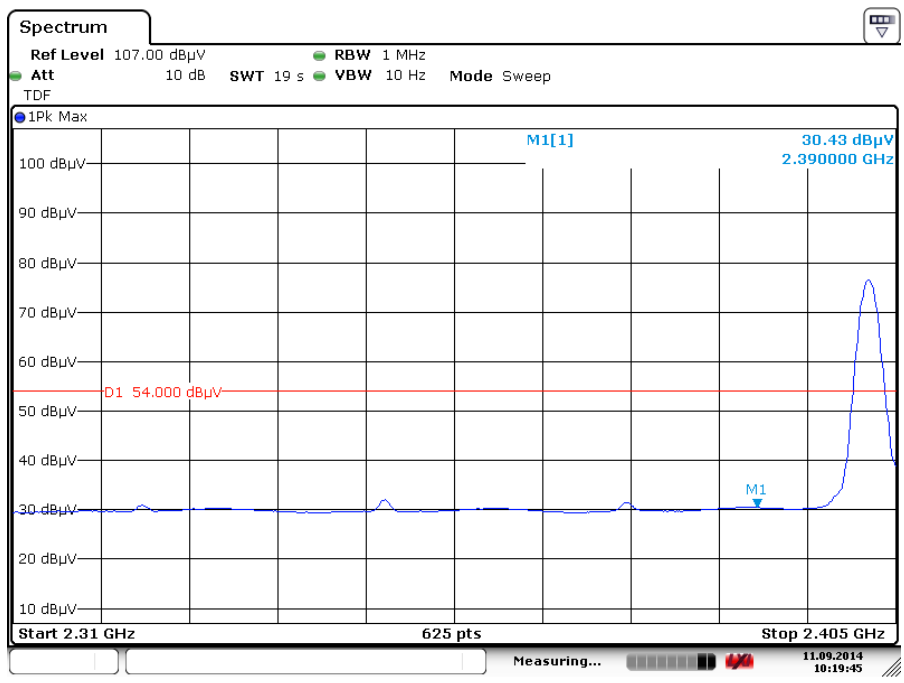


Date: 11.SEP.2014 10:09:03

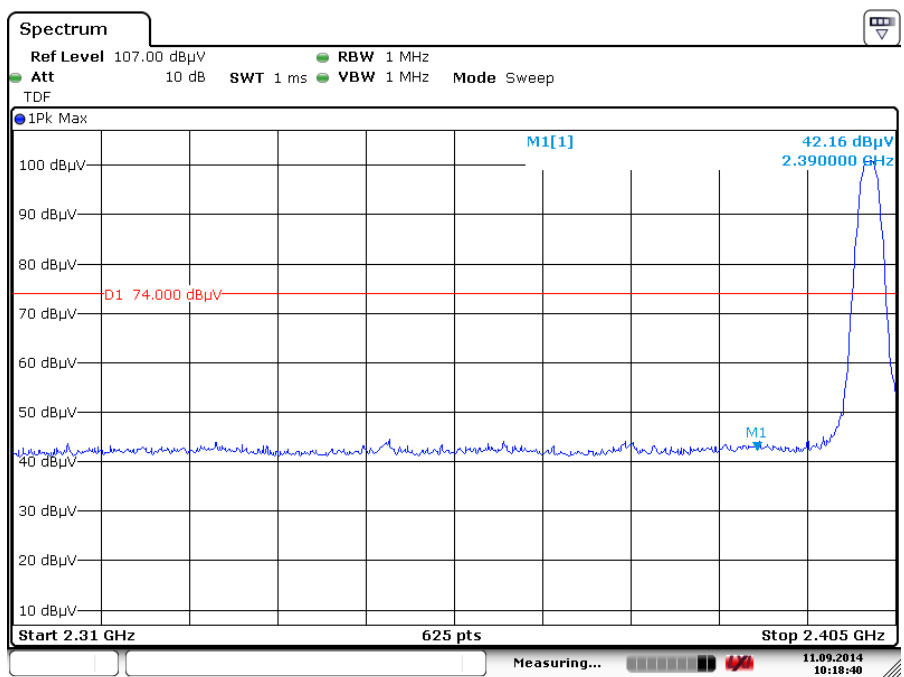


Date: 11.SEP.2014 10:06:32

Low Channel (Ver)



Date: 11.SEP.2014 10:19:45

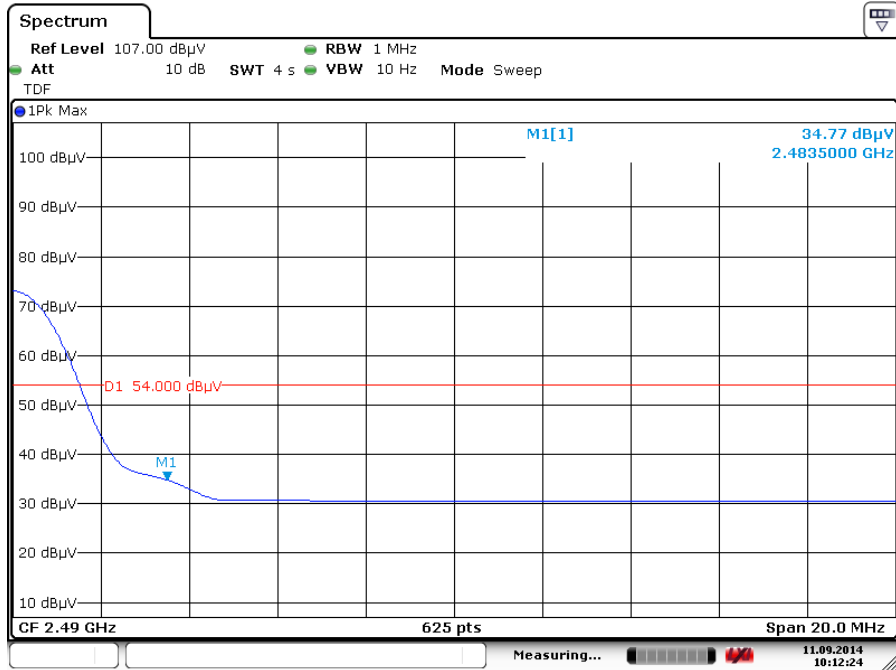


Date: 11.SEP.2014 10:18:39

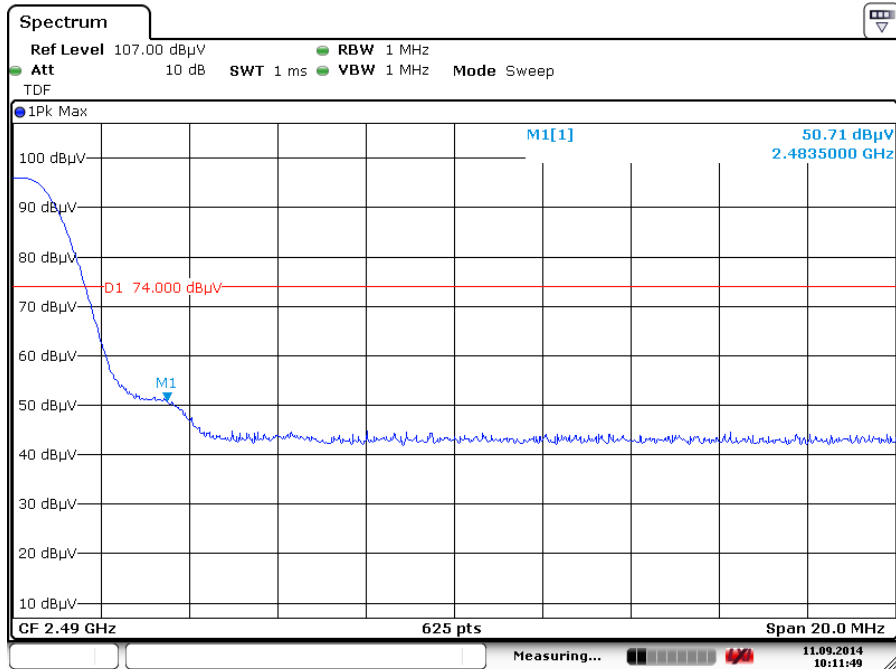
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge (GFSK)

High Channel (Hor)



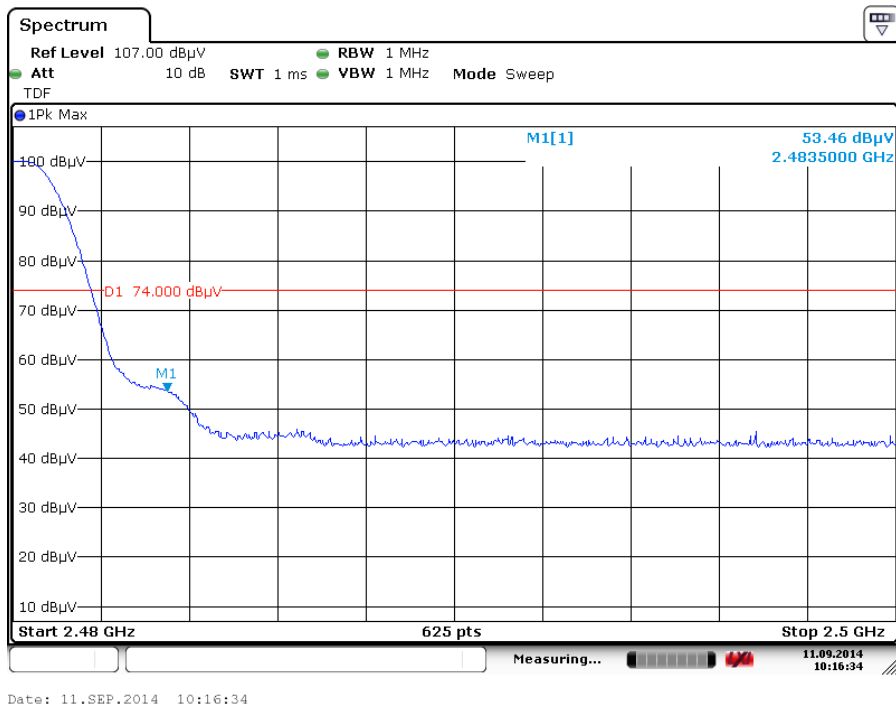
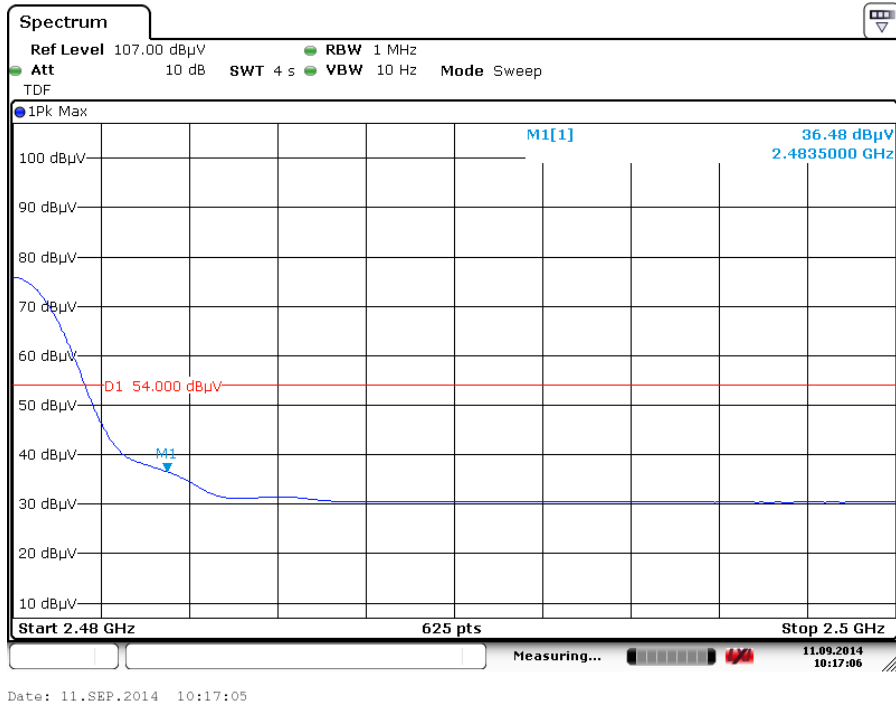
Date: 11.SEP.2014 10:12:23



Date: 11.SEP.2014 10:11:49

Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)

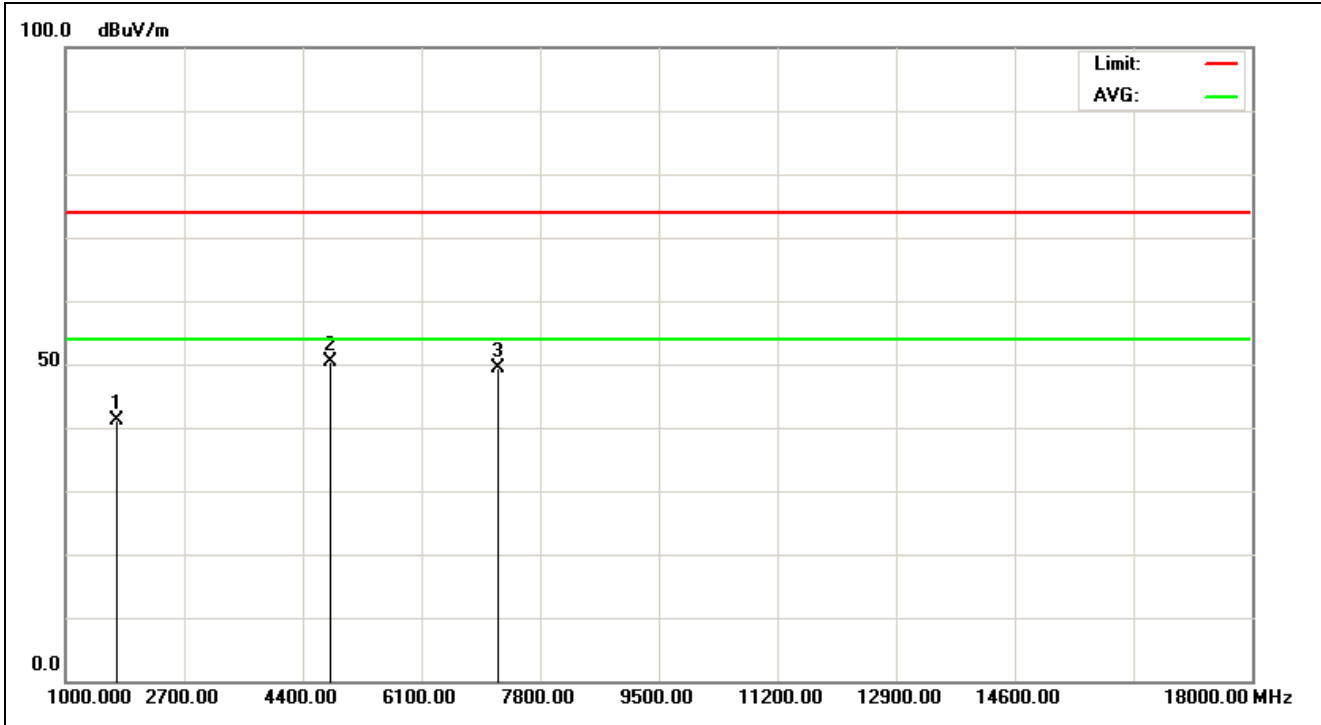


Spurious Emissions, Band Edge, 2.35-2.5G

Spurious Emissions, TX Mode, 1-18G

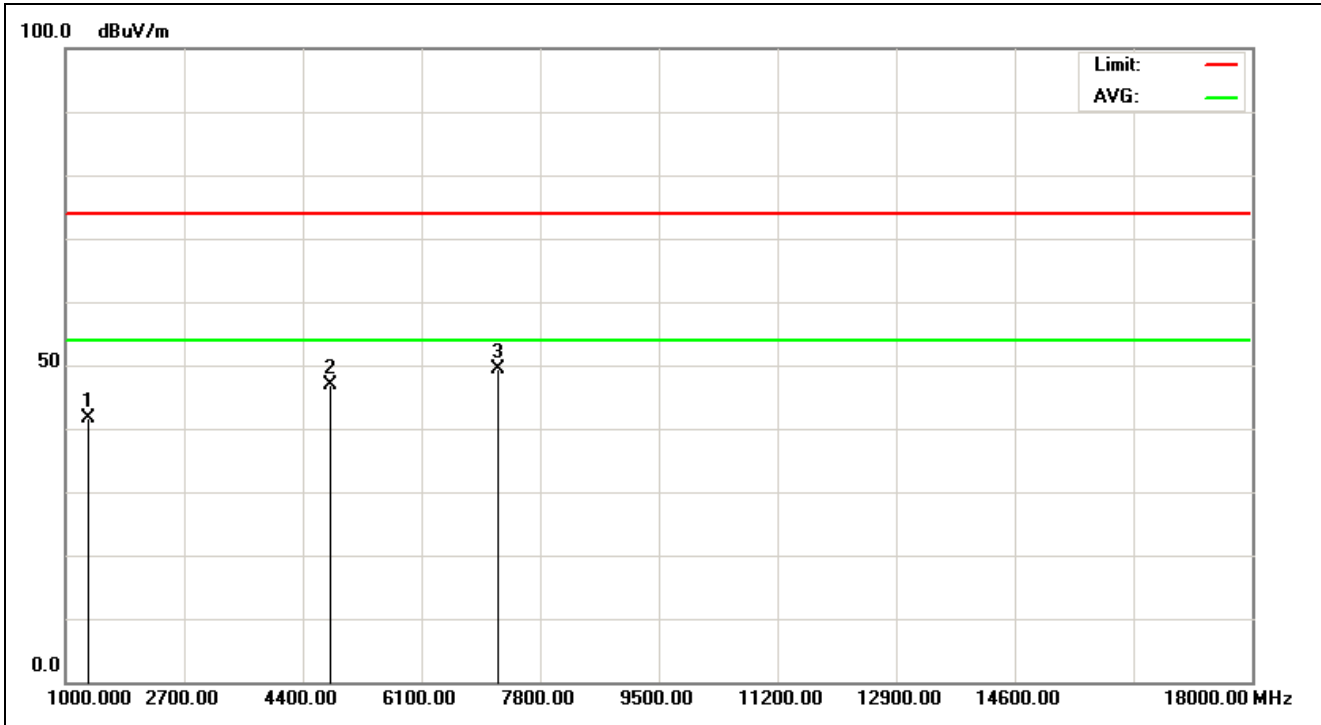


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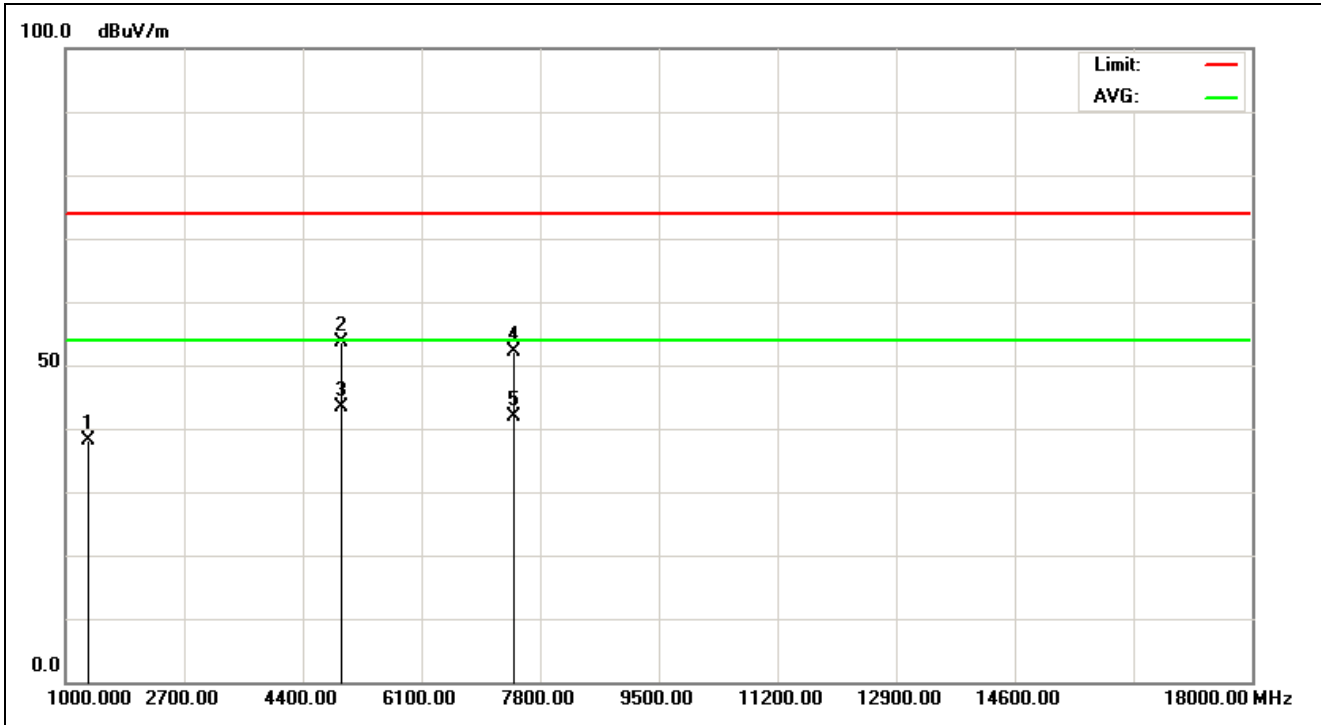
Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/11 10:19:39
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2402MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1735.577	-10.11	51.18	41.07	74.00	-32.93	peak			
2	4786.859	-3.43	53.80	50.37	74.00	-23.63	peak			
3	7206.000	4.40	45.02	49.42	74.00	-24.58	peak			



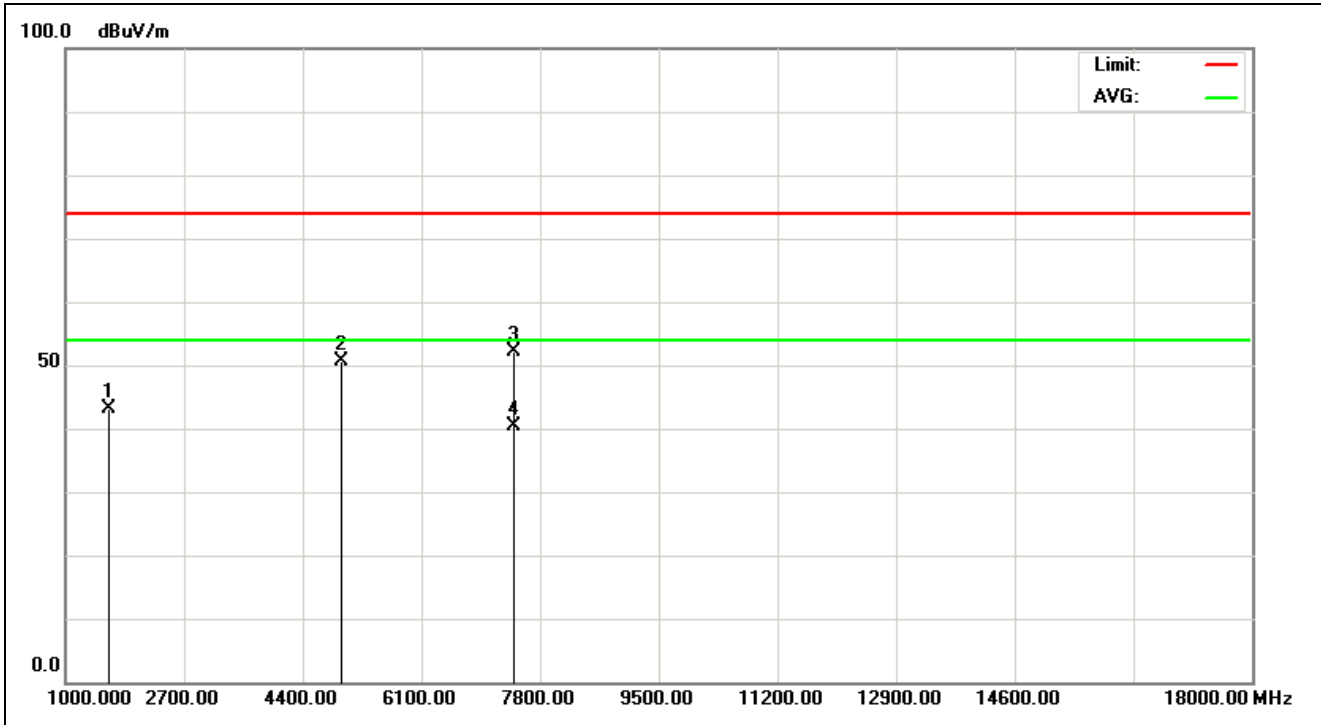
Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/11 10:20:40
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2402MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1326.923	-11.13	52.66	41.53	74.00	-32.47	peak			
2	4804.000	-3.40	50.38	46.98	74.00	-27.02	peak			
3	7206.000	4.40	44.96	49.36	74.00	-24.64	peak			



Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/11 10:22:39
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2480MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1326.923	-11.13	49.30	38.17	74.00	-35.83	peak	100	306	
2	4950.320	-3.19	56.72	53.53	74.00	-20.47	peak	100	16	
3	4950.320	-3.19	46.64	43.45	54.00	-10.55	AVG	100	16	
4	7429.487	5.02	47.07	52.09	74.00	-21.91	peak	100	343	
5	7429.487	5.02	36.75	41.77	54.00	-12.23	AVG	100	343	



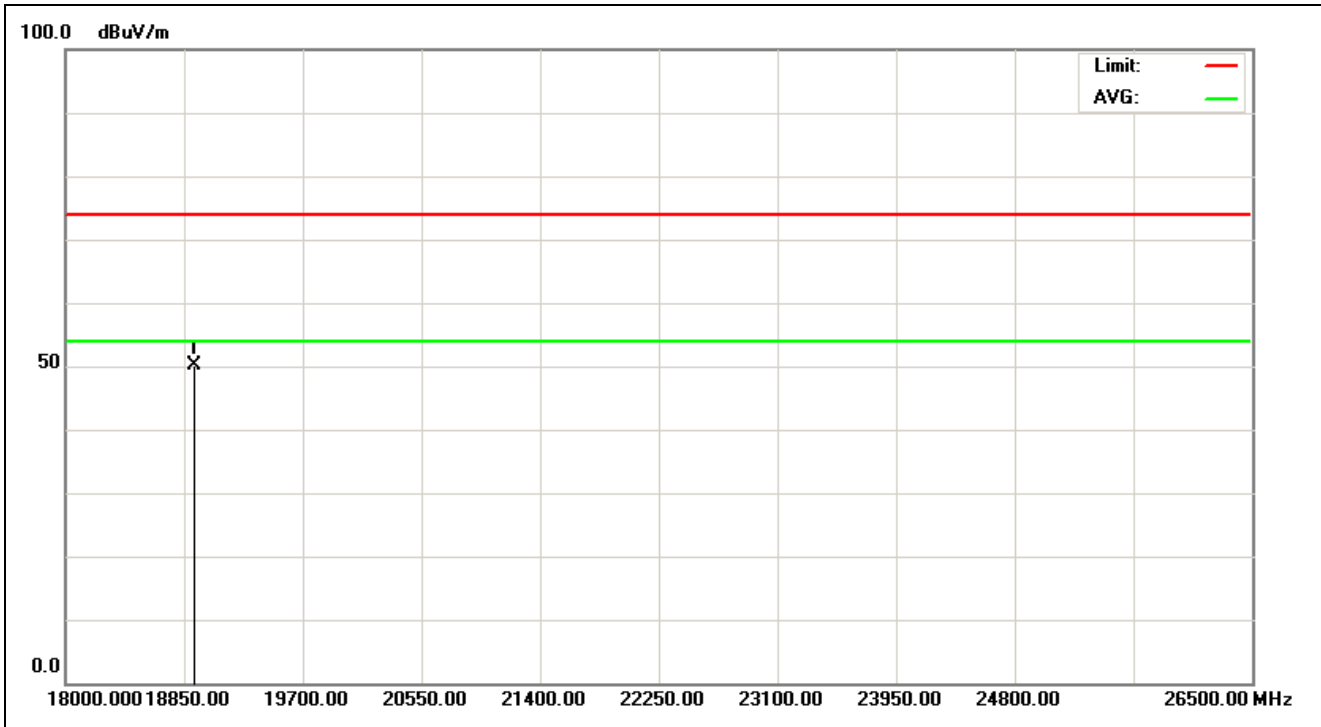
Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/11 10:23:41
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2480MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1626.602	-10.81	53.97	43.16	74.00	-30.84	peak	100	278	
2	4950.320	-3.19	53.82	50.63	74.00	-23.37	peak	100	153	
3	7429.487	5.02	47.04	52.06	74.00	-21.94	peak	100	0	
4	7429.487	5.02	35.28	40.30	54.00	-13.70	AVG	100	0	

Spurious Emissions, TX Mode, 18-26G

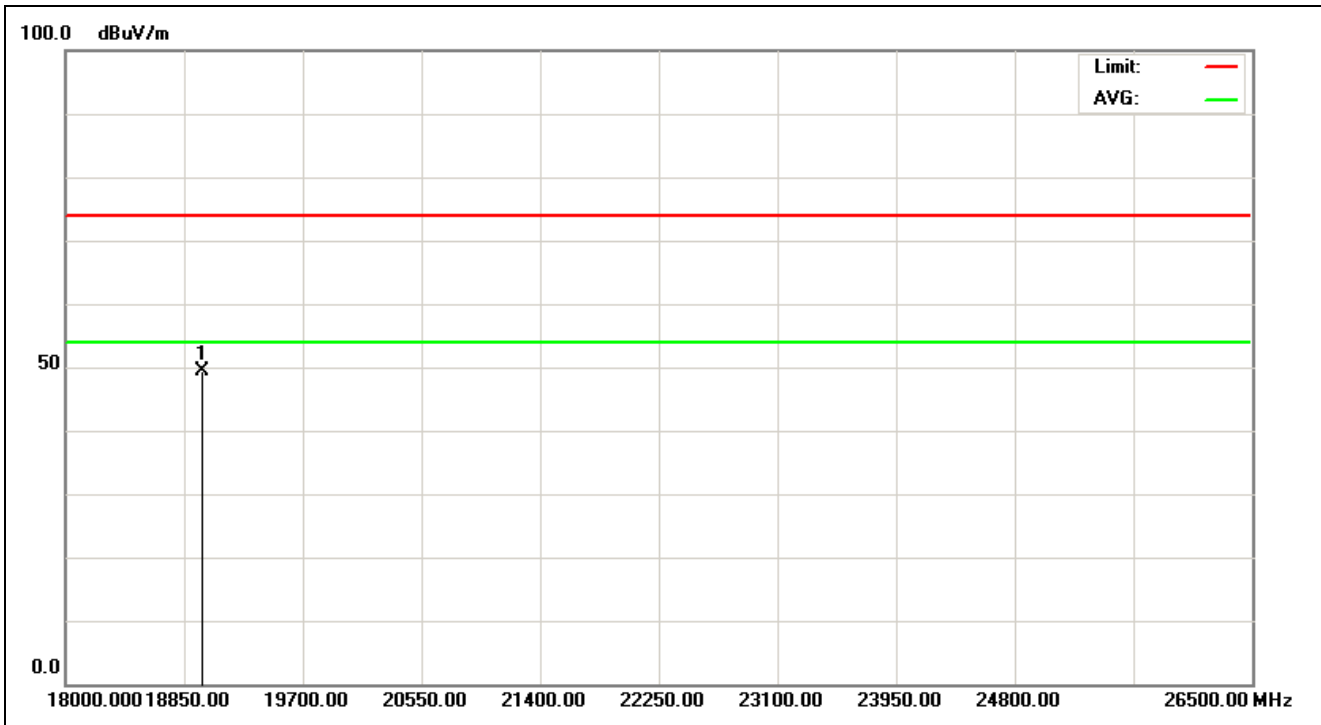


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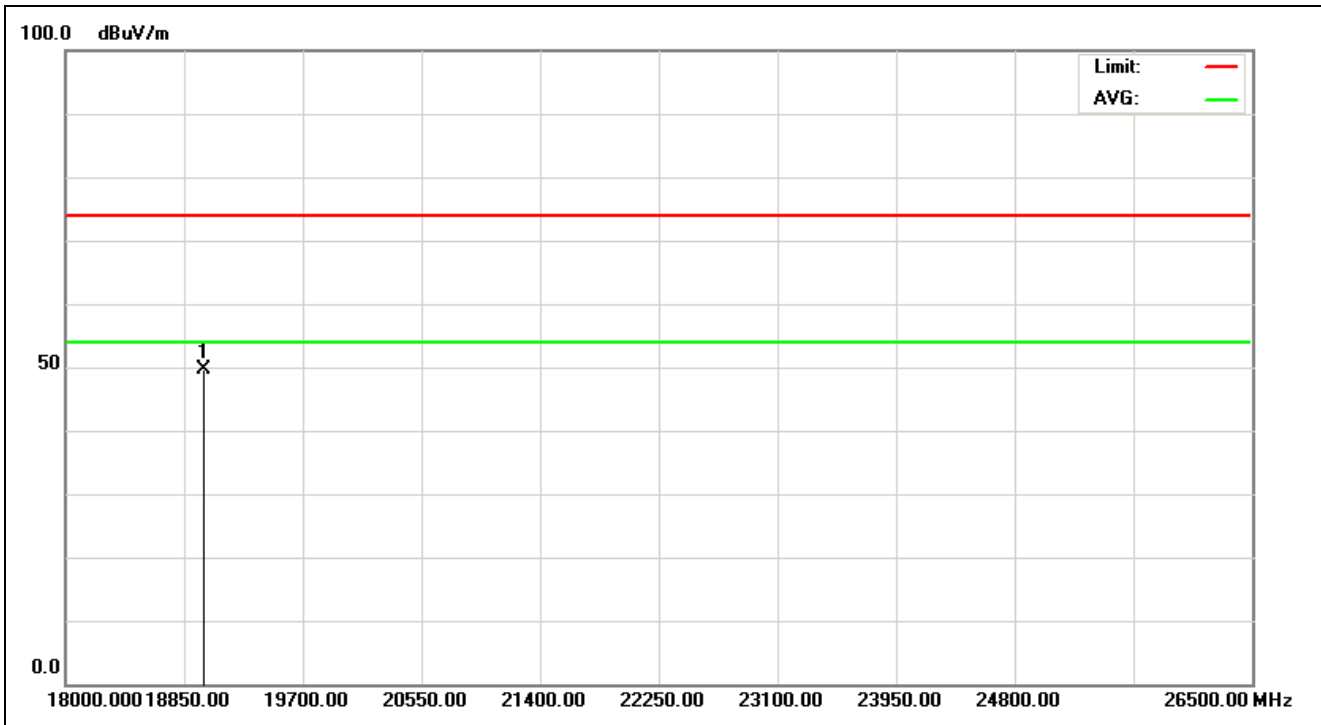
Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/11 10:54:42
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2402MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18926.282	29.75	20.41	50.16	74.00	-23.84	peak			



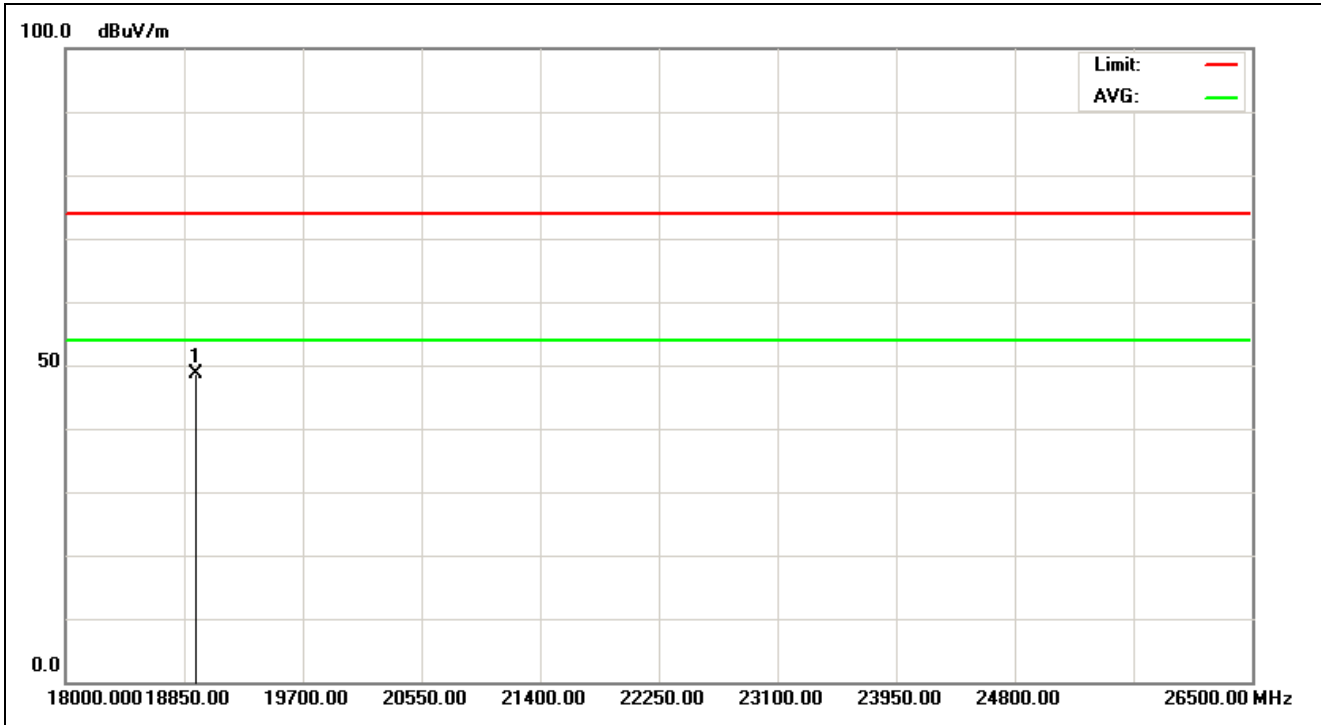
Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/11 10:54:59
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2402MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18980.769	29.93	19.49	49.42	74.00	-24.58	peak			



Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/11 10:55:18
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2480MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18994.391	29.96	19.78	49.74	74.00	-24.26	peak			



Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/11 10:55:28
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2480MHz_TX		
Remark:			

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	18.89	48.69	74.00	-25.31	peak			

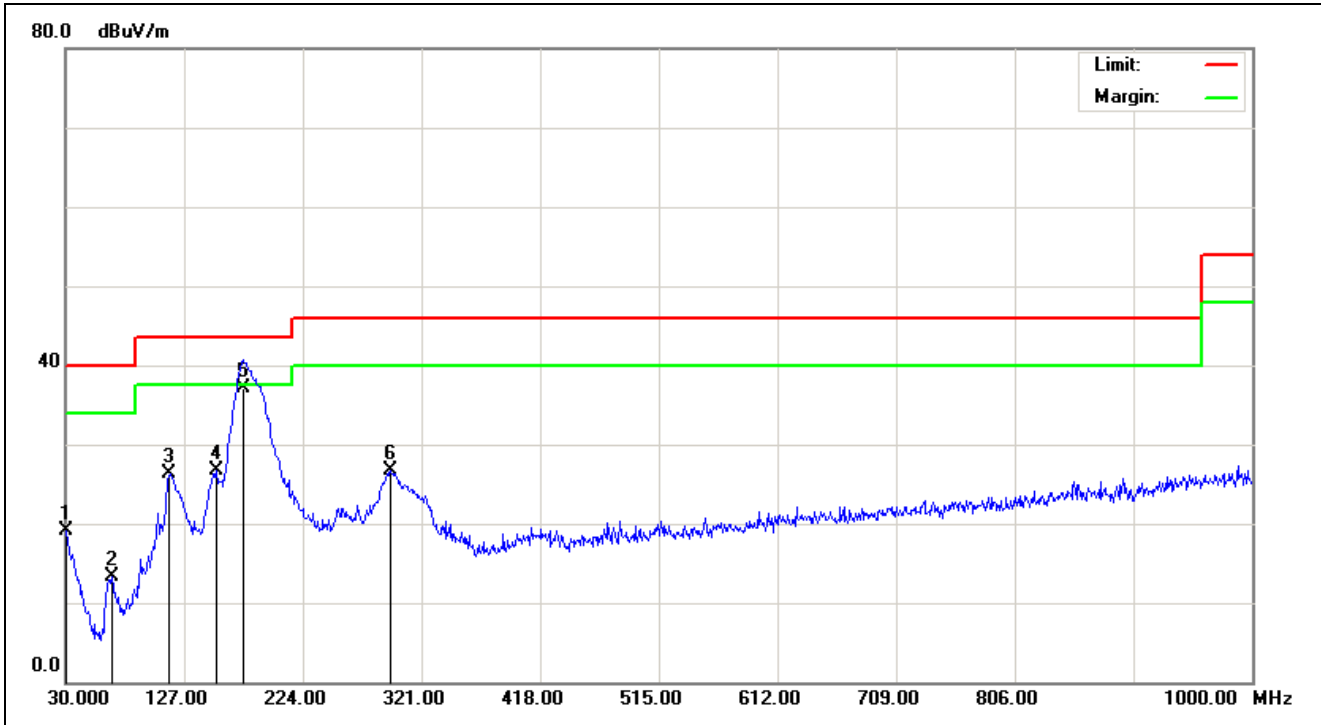
Spurious Emissions, TX Mode, 30M-1G



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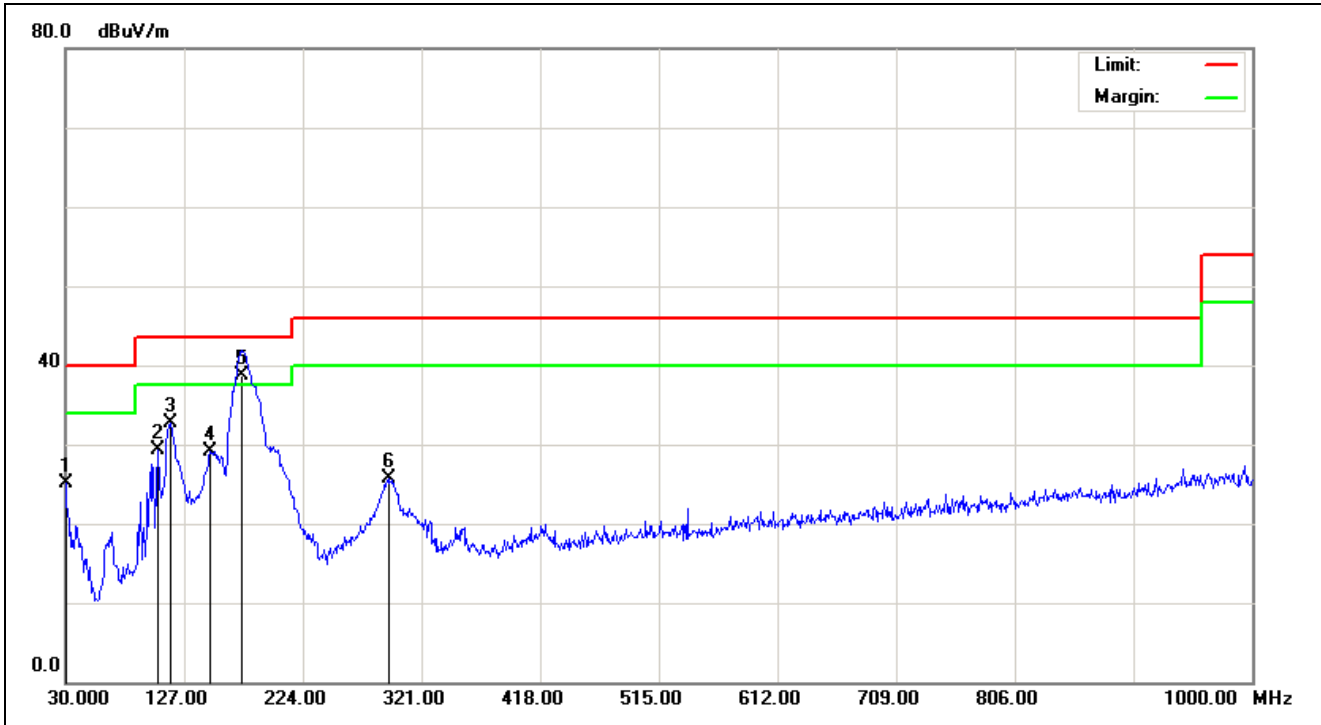
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Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/11 09:44:08
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2442MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-7.35	26.37	19.02	40.00	-20.98	QP	100	43	
2	67.8299	-20.53	33.88	13.35	40.00	-26.65	QP	100	247	
3	115.3599	-14.80	41.20	26.40	43.50	-17.10	QP	100	121	
4	153.1899	-14.97	41.74	26.77	43.50	-16.73	QP	100	260	
5	175.5000	-16.82	53.96	37.14	43.50	-6.36	QP	100	180	
6	295.7799	-12.06	38.71	26.65	46.00	-19.35	QP	100	150	



Service No.:	114019974-LE-FCC_tmp	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/11 09:45:11
Applicant:	Trans	Test Rating:	DC 12V
Product:	inCar Bluetooth Music Receiver	Temp.(°C)/Hum.(%):	25(°C)/48%
Model No.:	BTR-5300	Test Engineer:	Freeman Wang
Test Mode:	2442MHz_TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-7.35	32.43	25.08	40.00	-14.92	QP	100	219	
2	105.6600	-15.62	44.89	29.27	43.50	-14.23	QP	100	359	
3	116.3300	-14.75	47.53	32.78	43.50	-10.72	QP	100	50	
4	148.3400	-14.68	43.84	29.16	43.50	-14.34	QP	100	192	
5	173.5600	-16.65	55.35	38.70	43.50	-4.80	QP	100	325	
6	293.8400	-12.10	37.71	25.61	46.00	-20.39	QP	100	187	