

Test Report No.50255636 001

Appendix D: Radiated Emission Data

(File: 50255636AppendixD)

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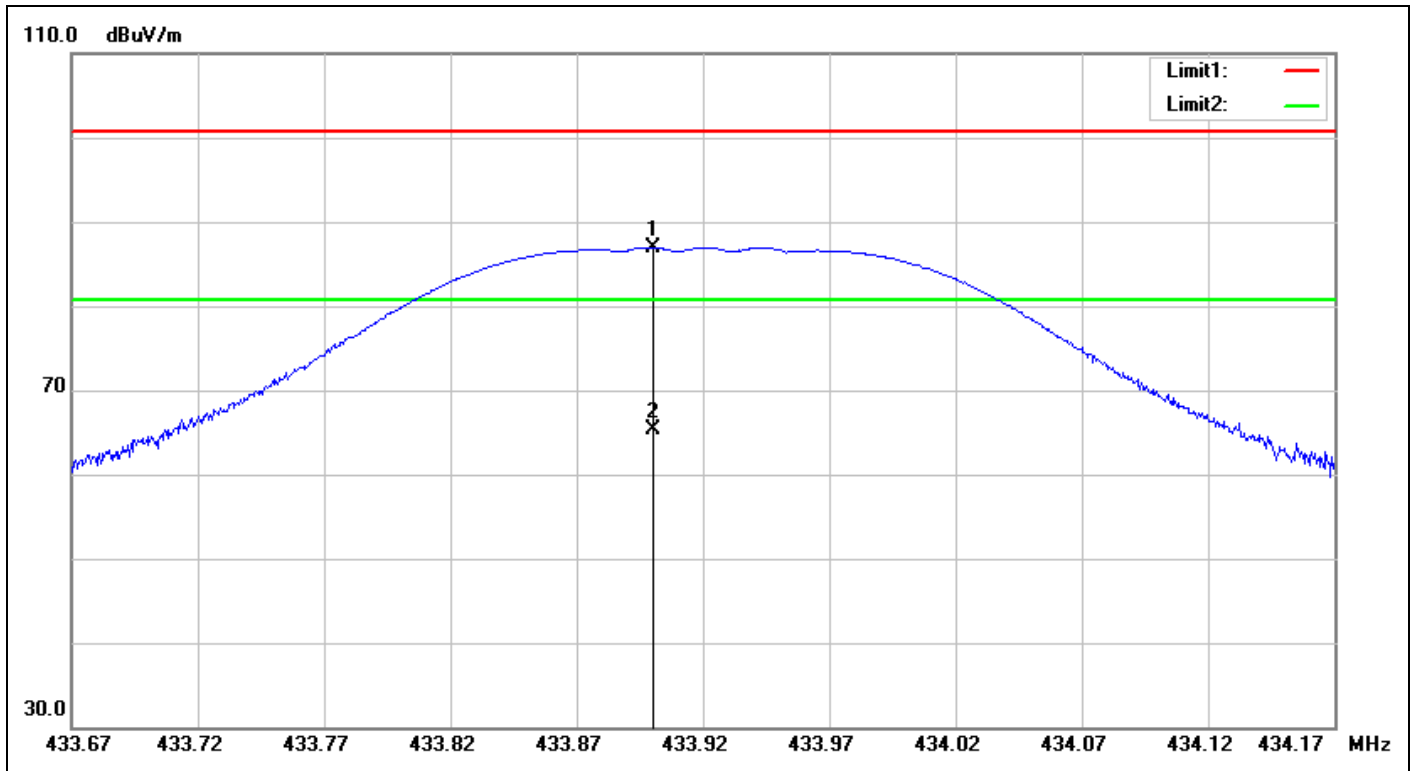
Spurious Emissions, Fundamental



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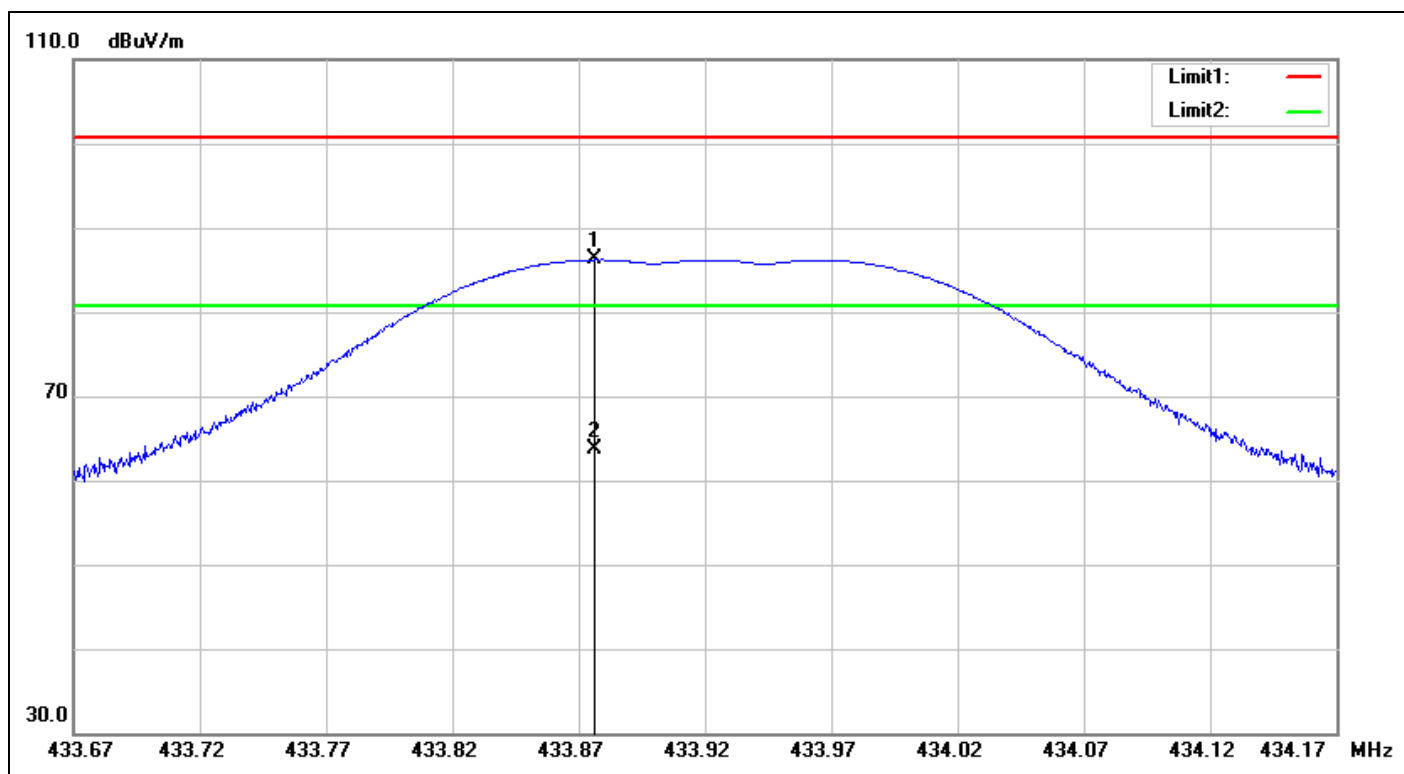
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Service No.:	50255636-001	Test Distance:	3m
Test Standard:	NCC_3.4.2_TX_PEAK(433.92MHz)	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/29 14:36:19
Applicant:	台灣森那美起亞	Test Rating:	DC 5V
Product:	VALVE-TPMS	Temp.(°C)/Hum.(%):	22.3(°C)/55%
Model No.:	52933C1100	Test Engineer:	Hugo Chang
Test Mode:	Fundamental Field Strength		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	433.9005	-8.22	95.16	86.94	100.80	-13.86	peak		0	
2	433.9005	-8.22	73.52	65.30	80.80	-15.50	AVG		0	



Service No.:	50255636-001	Test Distance:	3m
Test Standard:	NCC_3.4.2_TX_PEAK(433.92MHz)	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/29 14:39:47
Applicant:	台灣森那美起亞	Test Rating:	DC 5V
Product:	VALVE-TPMS	Temp.(°C)/Hum.(%)	22.3(°C)/55%
Model No.:	52933C1100	Test Engineer:	Hugo Chang
Test Mode:	Fundamental Field Strength		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	433.8765	-8.22	94.43	86.21	100.80	-14.59	peak			
2	433.8765	-8.22	71.92	63.70	80.80	-17.10	AVG			

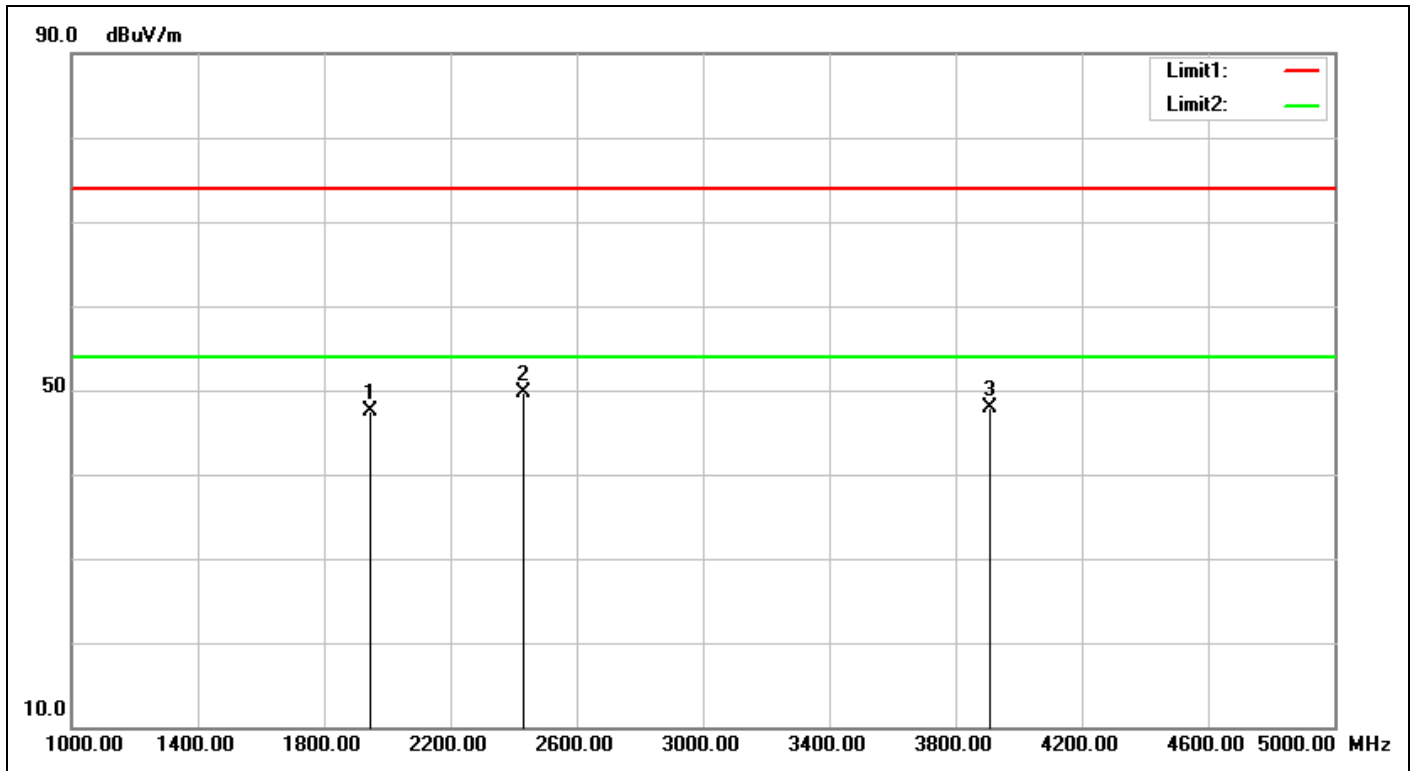
Spurious Emissions, TX Mode, 1-5G



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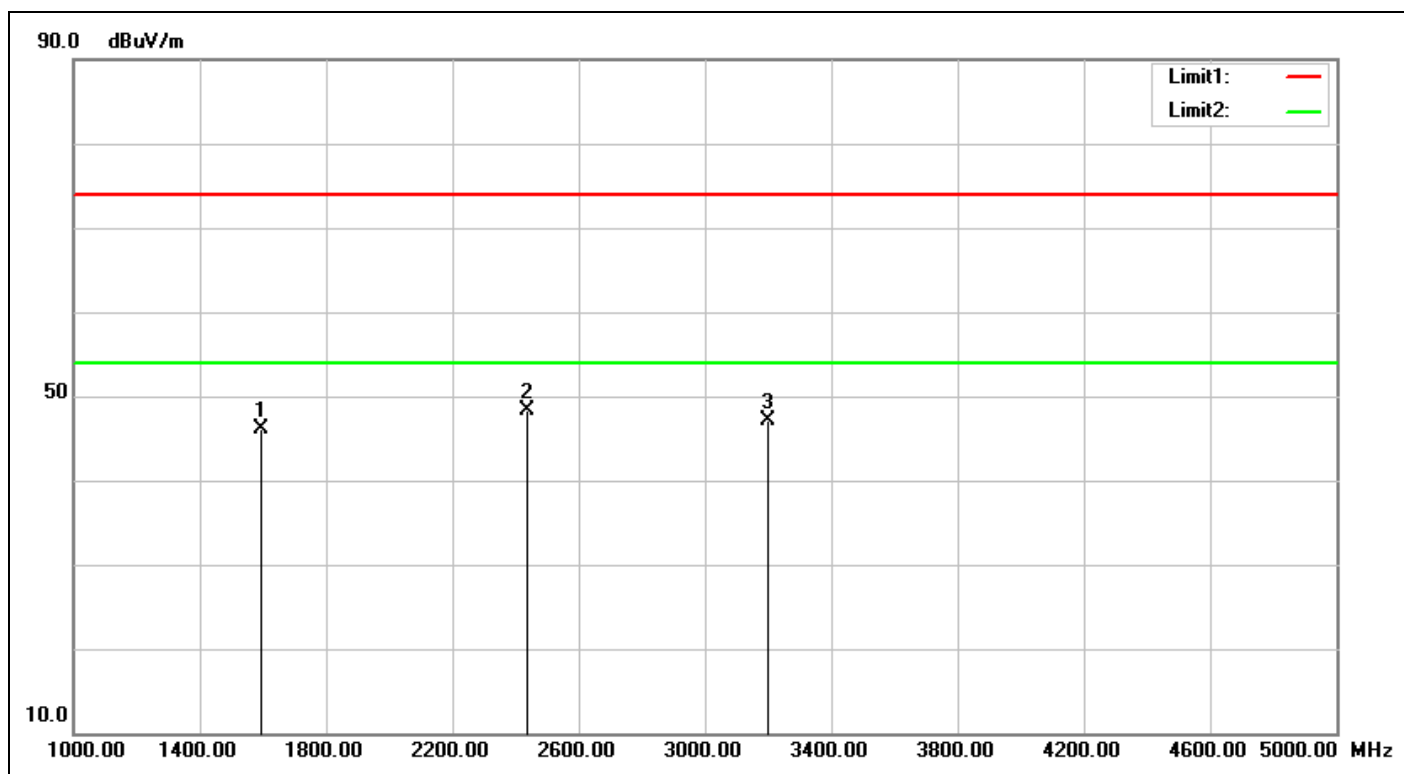
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Service No.:	50255636-001	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/29 15:23:12
Applicant:	台灣森那美起亞	Test Rating:	DC 5V
Product:	VALVE-TPMS	Temp.(°C)/Hum.(%):	22.3(°C)/55%
Model No.:	52933C1100	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1944.000	-8.47	55.99	47.52	74.00	-26.48	peak	100	139	
2	2432.000	-7.64	57.43	49.79	74.00	-24.21	peak	100	360	
3	3908.000	-5.53	53.40	47.87	74.00	-26.13	peak	100	28	

Spurious Emissions, TX Mode, 1-10G



Service No.:	50255636-001	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/29 15:24:15
Applicant:	台灣森那美起亞	Test Rating:	DC 5V
Product:	VALVE-TPMS	Temp.(°C)/Hum.(%)	22.3(°C)/55%
Model No.:	52933C1100	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1592.000	-10.60	56.69	46.09	74.00	-27.91	peak	100	27	
2	2436.000	-7.63	55.97	48.34	74.00	-25.66	peak	100	196	
3	3200.000	-6.42	53.58	47.16	74.00	-26.84	peak	100	215	

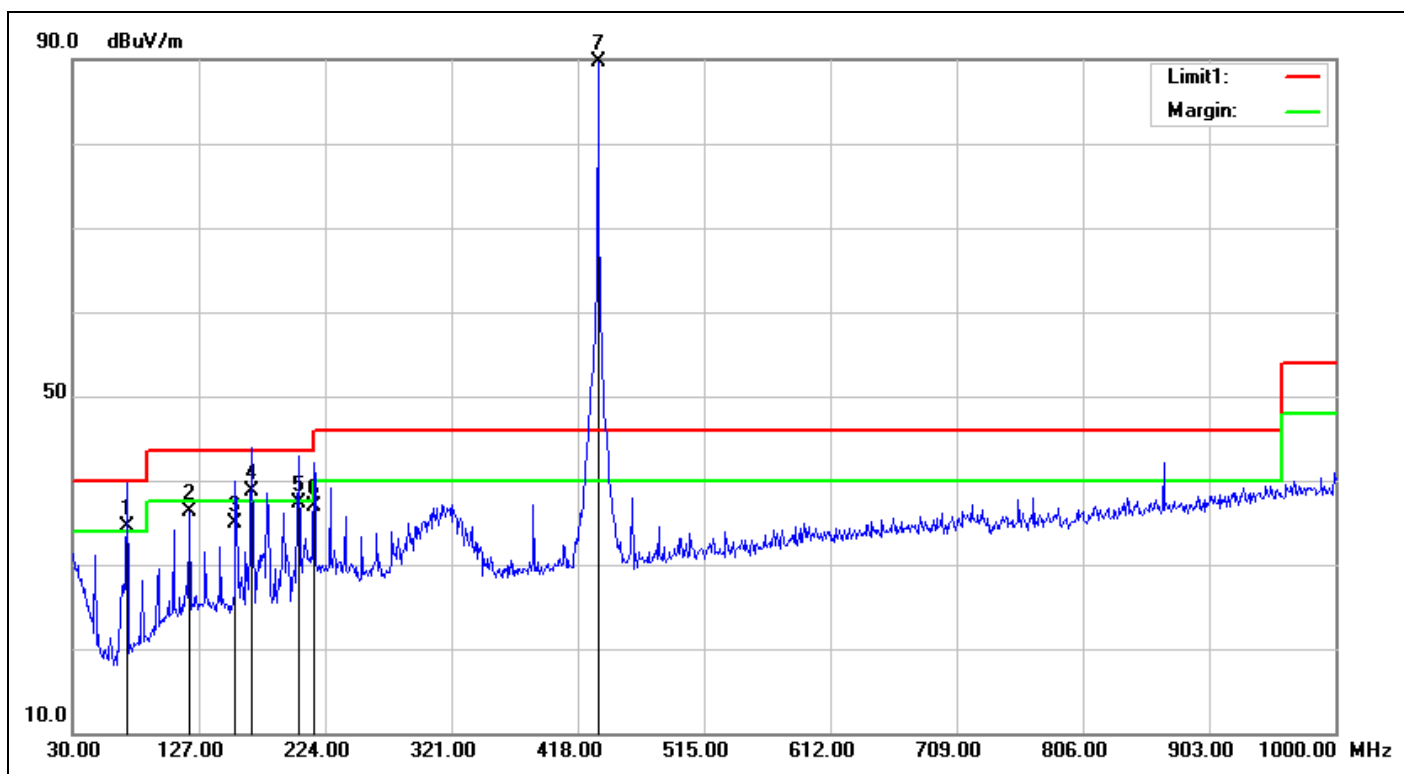
Spurious Emissions, TX Mode, 30M-1G



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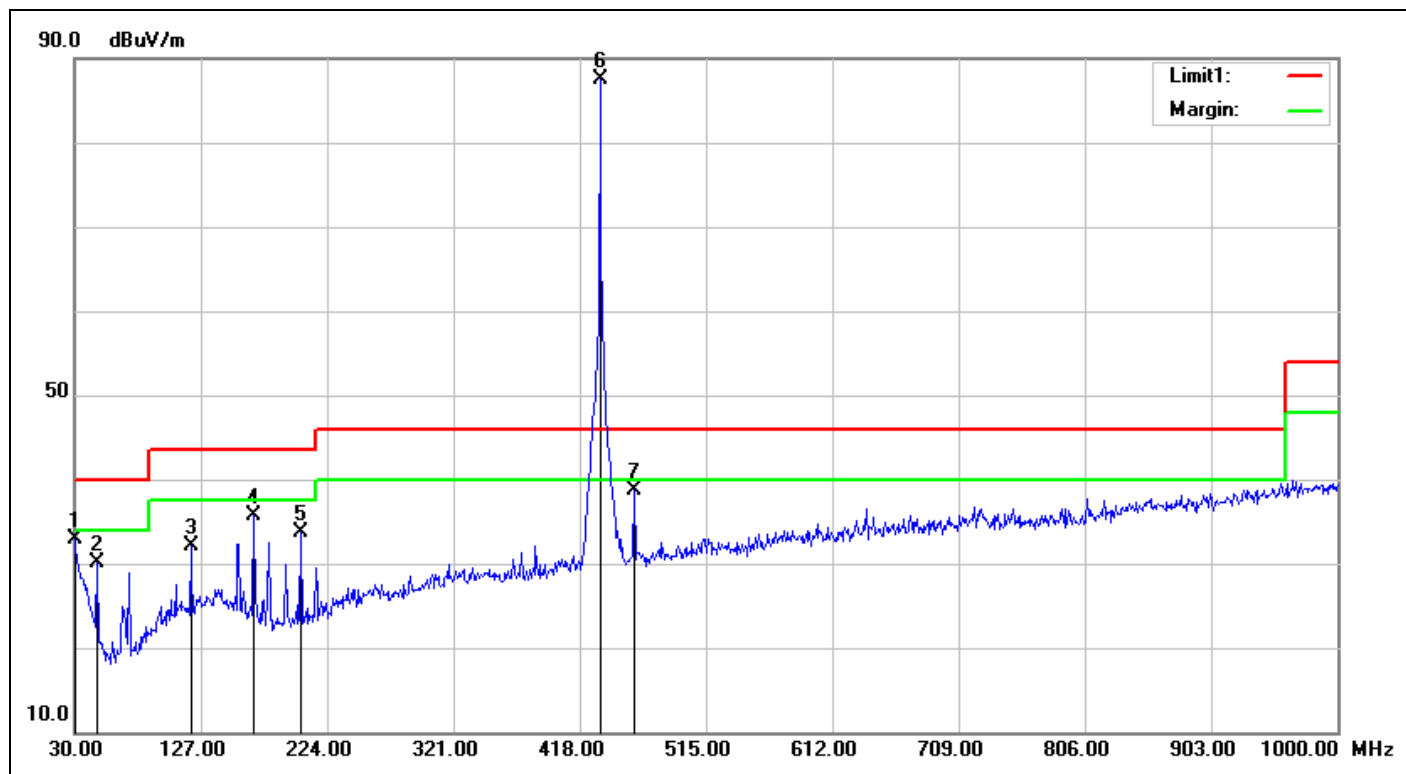
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Service No.:	50255636-001	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/29 15:10:12
Applicant:	台灣森那美起亞	Test Rating:	DC 5V
Product:	VALVE-TPMS	Temp.(°C)/Hum.(%)	22.3(°C)/55%
Model No.:	52933C1100	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	71.7099	-18.62	53.13	34.51	40.00	-5.49	QP	100	165	
2	120.2100	-12.96	49.23	36.27	43.50	-7.23	QP	100	123	
3	155.1300	-13.51	48.32	34.81	43.50	-8.69	QP	100	157	
4	167.7400	-14.55	53.26	38.71	43.50	-4.79	QP	100	99	
5	203.6300	-14.59	51.87	37.28	43.50	-6.22	QP	100	165	
6	215.2700	-14.29	51.23	36.94	43.50	-6.56	QP	100	133	
7	433.5200	-8.23	97.85	89.62	46.00	43.62	QP	100	51	TX

Spurious Emissions, TX Mode, 30M-1G



Service No.:	50255636-001	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/29 15:11:16
Applicant:	台灣森那美起亞	Test Rating:	DC 5V
Product:	VALVE-TPMS	Temp.(°C)/Hum.(%)	22.3(°C)/55%
Model No.:	52933C1100	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-5.83	38.69	32.86	40.00	-7.14	QP	100	325	
2	47.4600	-15.65	45.68	30.03	40.00	-9.97	QP	100	91	
3	119.2400	-13.02	45.16	32.14	43.50	-11.36	QP	100	83	
4	167.7400	-14.55	50.34	35.79	43.50	-7.71	QP	100	14	
5	203.6300	-14.59	48.23	33.64	43.50	-9.86	QP	100	75	
6	433.5200	-8.23	95.64	87.41	46.00	41.41	QP	100	163	TX
7	459.7100	-7.86	46.51	38.65	46.00	-7.35	QP	100	163	