

Test Report No.50175102 002

Appendix D: Radiated Spurious Emission Data

(File: 50175102 002 AppendixD)

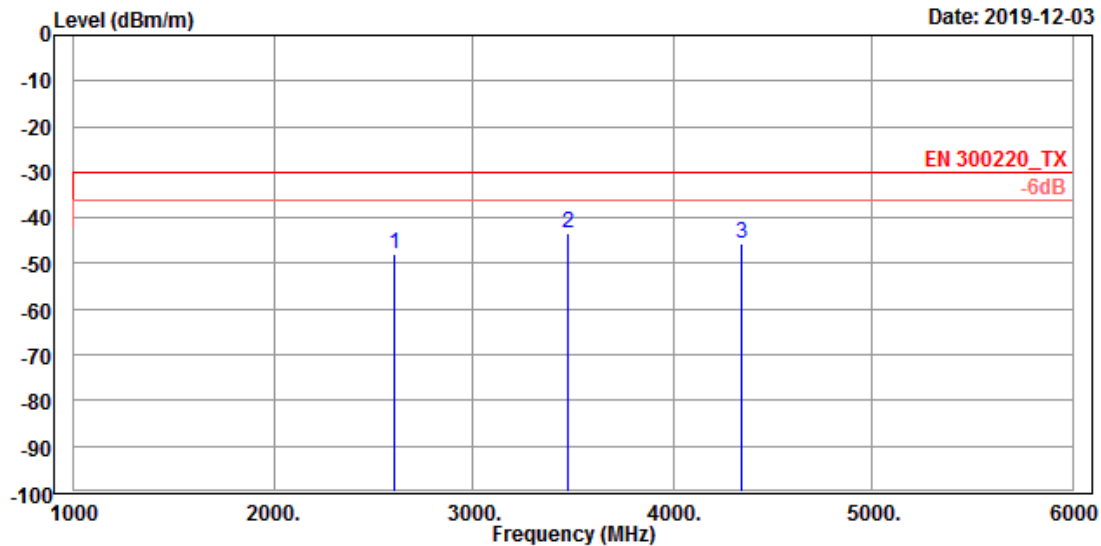
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Spurious Emissions, TX Mode, 868.1MHz

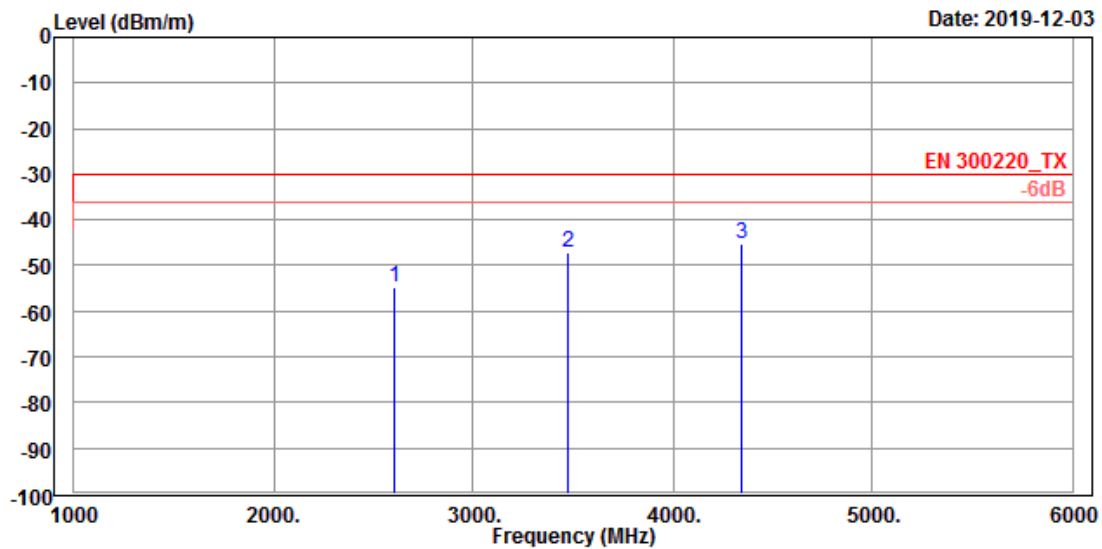


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Site : Fully
Condition : EN 300220_TX Horizontal
Test Engineer: Eagle Tsai
Product : SAM R34 Xplained Pro Evaluation Kit
Model No. : A09-3167(A000769530-004)
Test Rating : 5Vdc
Tmp/Hum : 22.5°C / 54%
Power Setting: 13(sf12, BW:125)
Mode : TX-868.1MHz
Memo : E2

		Read		Limit	Over	
	Freq	Level	Level Factor	Line	Limit	Remark
	MHz	dBm	dBm/m	dB/m	dB	
1	2604.30	-49.27	-47.79	1.48	-30.00	-17.79 Peak
2	3472.40	-45.51	-43.46	2.05	-30.00	-13.46 Peak
3	4340.50	-49.37	-45.52	3.85	-30.00	-15.52 Peak



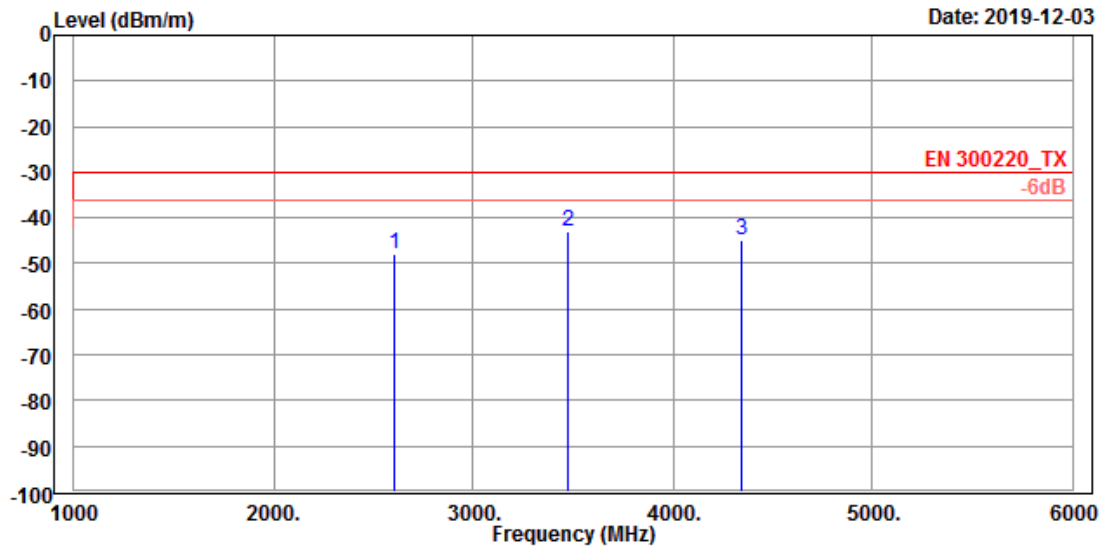
Site : Fully
 Condition : EN 300220_TX Vertical
 Test Engineer: Eagle Tsai
 Product : SAM R34 Xplained Pro Evaluation Kit
 Model No. : A09-3167(A000769530-004)
 Test Rating : 5Vdc
 Temp/Hum : 22.5°C / 54%
 Power Setting: 13(sf12, BW:125)
 Mode : TX-868.1MHz
 Memo : E2

		Read		Limit	Over	
	Freq	Level	Level Factor	Line	Limit	Remark
	MHz	dBm	dBm/m	dB/m	dBm/m	dB
1	2604.30	-56.12	-54.64	1.48	-30.00	-24.64 Peak
2	3472.40	-49.23	-47.18	2.05	-30.00	-17.18 Peak
3	4340.50	-49.23	-45.38	3.85	-30.00	-15.38 Peak

Spurious Emissions, TX Mode, 868.5MHz

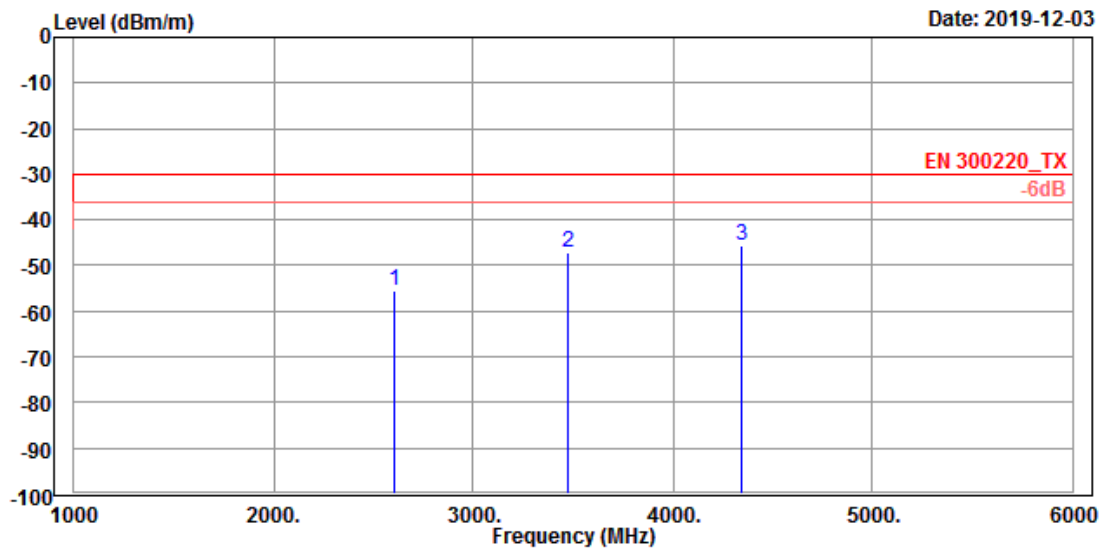


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Site : Fully
Condition : EN 300220_TX Horizontal
Test Engineer: Eagle Tsai
Product : SAM R34 Xplained Pro Evaluation Kit
Model No. : A09-3167(A000769530-004)
Test Rating : 5Vdc
Tmp/Hum : 22.5°C / 54%
Power Setting: 13(sf12, BW:125)
Mode : TX-868.5MHz
Memo : E2

		Read		Limit	Over	
	Freq	Level	Level	Factor	Line	Limit Remark
	MHz	dBm	dBm/m	dB/m	dBm/m	dB
1	2605.50	-49.34	-47.86	1.48	-30.00	-17.86 Peak
2	3474.00	-45.18	-43.13	2.05	-30.00	-13.13 Peak
3	4342.50	-48.61	-44.75	3.86	-30.00	-14.75 Peak



Site : Fully
 Condition : EN 300220_TX Vertical
 Test Engineer: Eagle Tsai
 Product : SAM R34 Xplained Pro Evaluation Kit
 Model No. : A09-3167(A000769530-004)
 Test Rating : 5Vdc
 Temp/Hum : 22.5°C / 54%
 Power Setting: 13(sf12, BW:125)
 Mode : TX-868.5MHz
 Memo : E2

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBm	dBm/m	dB/m	dBm/m	dB	
1	2605.50	-56.87	-55.39	1.48	-30.00	-25.39	Peak
2	3474.00	-49.39	-47.34	2.05	-30.00	-17.34	Peak
3	4342.50	-49.52	-45.66	3.86	-30.00	-15.66	Peak