

Statement of compliance to SAR

Applicant : TELE RADIO AB
Datavägen 21, SE-436 32 Askim, Sweden

Manufacturer : TELE RADIO AB
Datavägen 21, SE-436 32 Askim, Sweden

Equipment : Transmitter

Type/Model : T00021-03, PN-T21-3, T21-3, T00021-06,
PN-T21-6, T21-6, T00021-08, PN-T21-8,
T21-8, T00021-10, PN-T21-10, T21-10

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Seen from the test report 141200375SHA-001:

The Maximum peak output power = 10.80dBm = 12.023mW;

The Maximum Antenna Gain = 4.00dBi = 2.512;

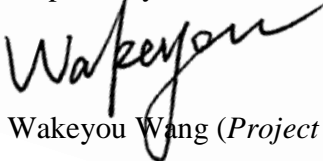
According to measured value from Appendix I, duty cycle = 0.775ms * 3 / 100ms = 2.325%

The time-averaged radiated power = 12.023mW * 2.512 * 2.325% = 0.70mW < 10mW (Test Exclusion Thresholds of 2450MHz at 5mm which can be referred in Appendix II)

Therefore, the SAR requirement is deemed to be satisfied without test.

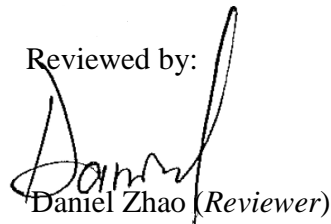
Date of issue: April 12, 2015

Prepared by:



Wakeyou Wang (*Project Engineer*)

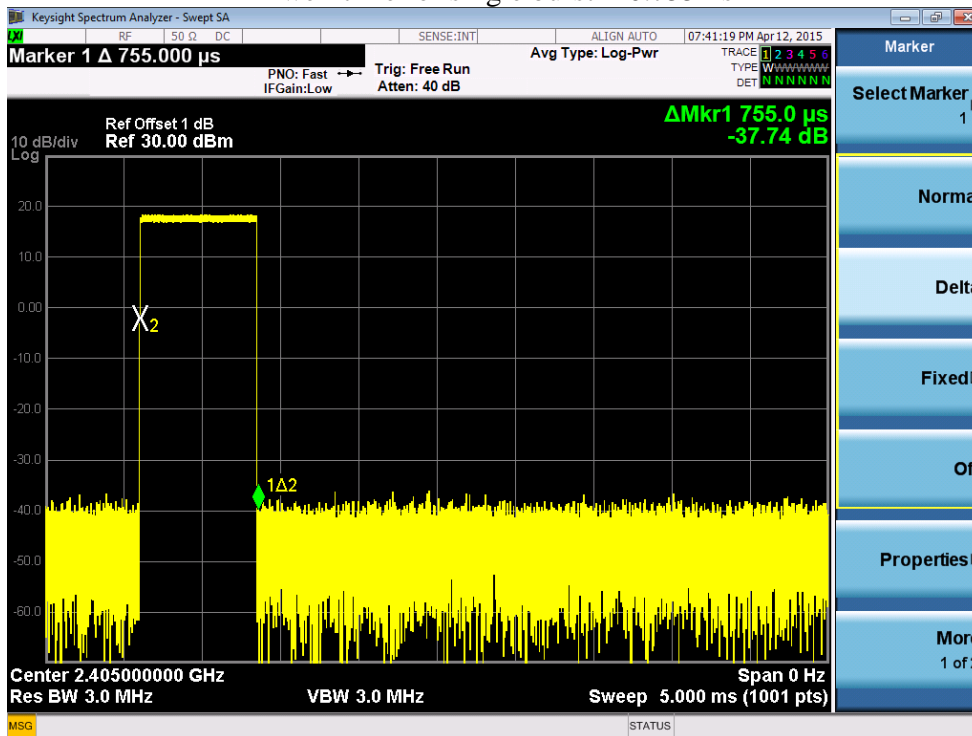
Reviewed by:



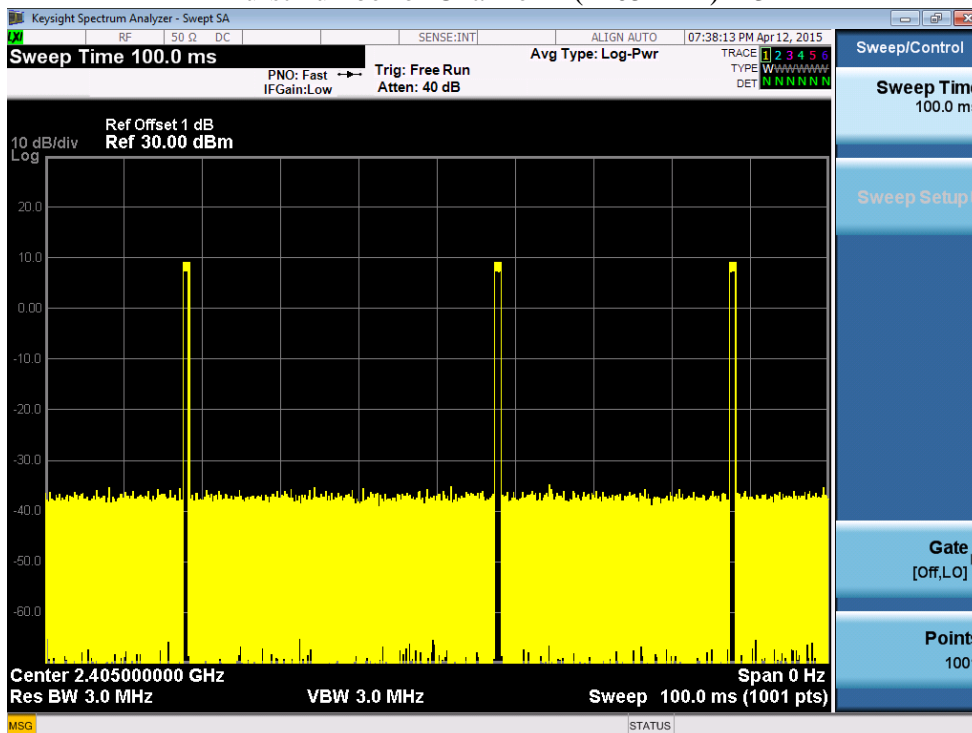
Daniel Zhao (*Reviewer*)

Appendix I Duty Cycle calculation

Dwell time for single burst = 0.755ms



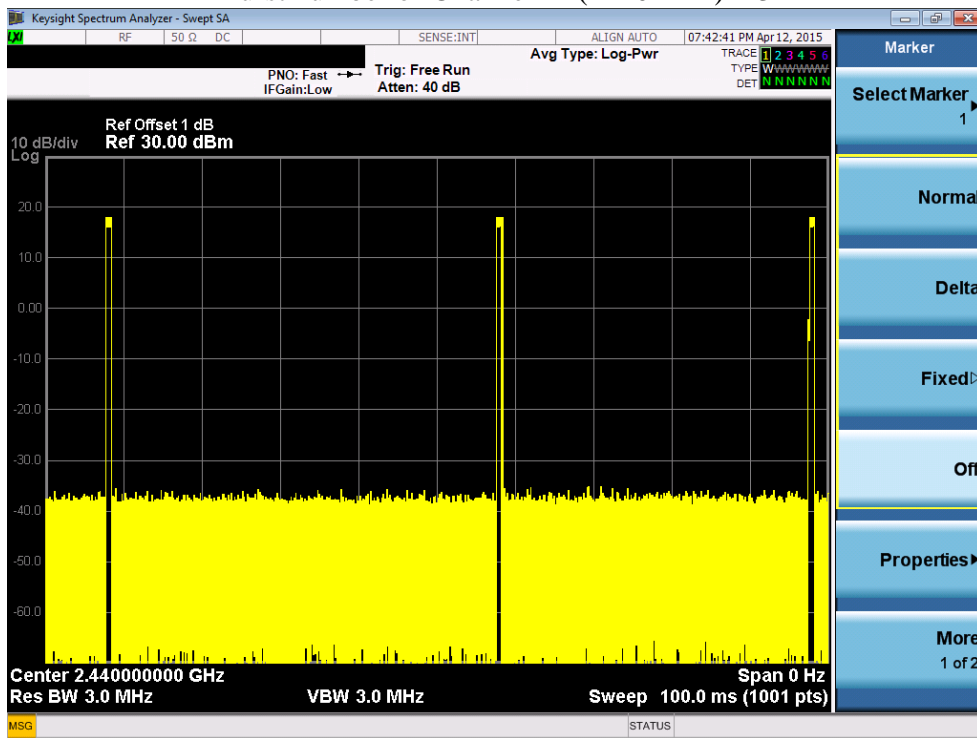
Burst number of Channel L (2405MHz) = 3



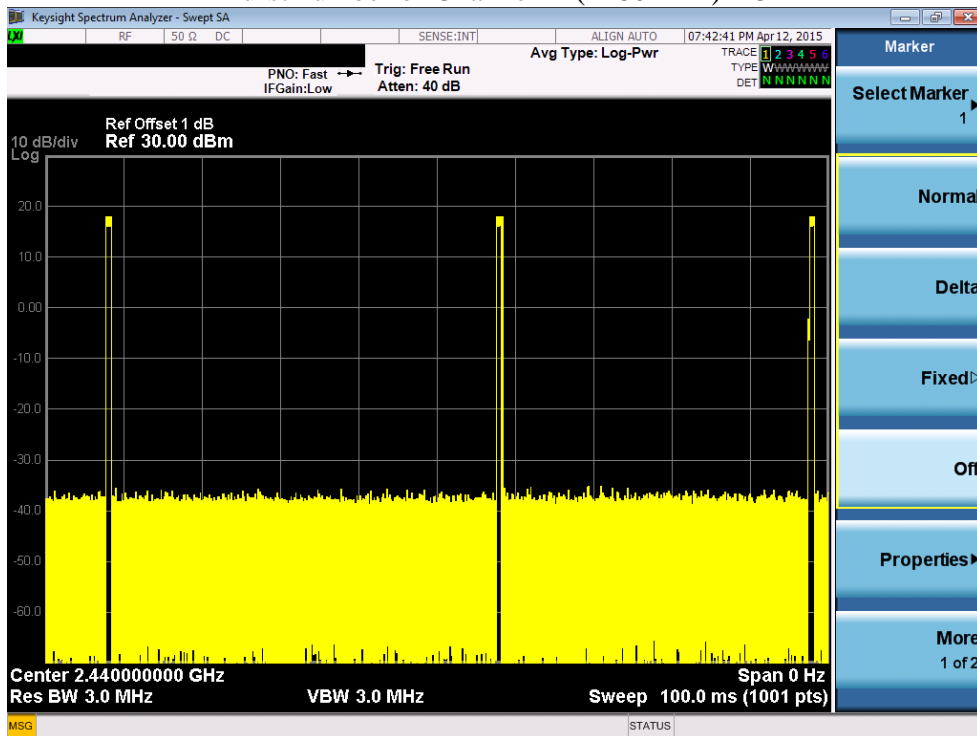


FCC ID: ONFC1414A
IC: 4807A-C1414A

Burst number of Channel M (2440MHz) = 3



Burst number of Channel H (2480MHz) = 3



Appendix II SAR Test Exclusion Thresholds

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm extracted from Appendix A of KDB447498 D01 General RF Exposure Guidance v05r01 is showed below:

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	