

MASTER PLAN ON RADIO FREQUENCY FOR RADIO BROADCAST FREQUENCY MODULATION

**(Regulation of Minister of Communication and Information of
R.I Number 3 Year 2017, dated January 2, 2017)**

WITH THE BLESSING OF THE ONE AND ONLY GOD

MINISTER OF COMMUNICATIONS AND INFORMATION
OF THE REPUBLIC OF INDONESIA

Considering:

- a. Whereas, to fulfill available provision of frequency modulation channel for radio broadcast and for improving frequency channel for radio broadcast system resulting from making a change to administrative region in Indonesia that impacts Frequency Modulation on radio broadcast nationwide, Regulation of Minister of Communications KM. 15 Year 2003, concerning Special Telecommunication Master Plan (Masterplan) on Radio Frequency in the implementation of Special Telecommunication for radio broadcast on FM (Frequency Modulation) as amended several times and lately by Regulation of Minister of Communications and Information Number 13/PER/M.KOMINFO/08/2010, on Second Amendment to Decision of Minister of Communication KM.15 Year 2003, concerning Master Plan (Masterplan) on Radio Frequency in the operation of Special Telecommunication for the needs of FM (Frequency Modulation) Radio Broadcast, replacement thereof is necessary;
- b. Whereas, based on the consideration referred to in letter a, it is necessary to stipulate Regulation of Minister of Communications and Information on Master Plan on Radio Frequency for operation of Radio Broadcast on Frequency Modulation;

In view of:

1. Law Number 36 Year 1999, concerning Telecommunication (Statute Book of the Republic of Indonesia Year 1999 Number 154, Supplement to Statute Book of the Republic of Indonesia Number 3881);

2. Law Number 32 Year 2002, concerning Broadcast (Statute Book of the Republic of Indonesia Year 2002 Number 139, Supplement to Statute Book of the Republic of Indonesia Number 4252);
3. Law Number 39 Year 2008, concerning State Ministry (Statute Book of the Republic of Indonesia Year 2008 Number 166, Supplement to Statute Book of the Republic of Indonesia Number 4916);
4. Law Number 30 Year 2014, concerning Government Administration (Statute Book of the Republic of Indonesia Year 2014 Number 292, Supplement to Statute Book of the Republic of Indonesia Number 5601);
5. Government Regulation Number 52 Year 2000, concerning Operation of Telecommunication (Statute Book of the Republic of Indonesia Year 2000 Number 107, Supplement to Statute Book of the Republic of Indonesia Number 3980);
6. Regulation Government Number 53 Year 2000, concerning Use of Radio Frequency Spectrum and Satellite Orbit (Statute Book of the Republic of Indonesia Year 2000 Number 108, Supplement to Statute Book of the Republic of Indonesia Number 3981);
7. Government Regulation Number 11 Year 2005, concerning Broadcast Operation by Public Broadcasting Institution (Statute Book of the Republic of Indonesia Year 2005 Number 28, Supplement to Statute Book of the Republic of Indonesia Number 4485);
8. Government Regulation Number 50 Year 2005, concerning Broadcast Operation by Private Broadcasting Institution (Statute Book of the Republic of Indonesia Year 2005 Number 127, Supplement to Statute Book of the Republic of Indonesia Number 4566);
9. Government Regulation Number 51 Year 2005, concerning Broadcast Operation by Community Broadcasting Institution (Statute Book of the Republic of Indonesia Year 2005 Number 128, Supplement to Statute Book of the Republic of Indonesia Number 4567);

10. Government Regulation Number 80 Year 2015, concerning Type and Tariff of State Non-Tax Income prevailing at the Department of Telecommunication and Information (Statute Book of the Republic of Indonesia Year 2015 Number 246, Supplement to Statute Book of the Republic of Indonesia Number 5749);
11. Presidential Regulation Number 7 Year 2015, concerning Organization of State Ministry (Statute Book of the Republic of Indonesia Year 2015 Number 8);
12. Presidential Regulation Number 54 Year 2015, concerning Ministry of Communication and Information (Statute Book of the Republic of Indonesia Year 2015 Number 96);
13. Regulation of Minister Communication and Information Number 39 Year 2012, concerning Procedure for Establishment and Operation of Community Broadcasting Institution (State Gazette of the Republic of Indonesia Year 2012 Number 1018);
14. Regulation of Minister Communication and Information Number 1 Year 2016 tentang Organization and Work Procedure Ministry of Communication and Information (State Gazette The Republic of Indonesia Year 2016 Number 103);

D E C I D E S :

To stipulate:

REGULATION OF MINISTER OF COMMUNICATION AND INFORMATION ON MASTER PLAN ON RADIO FREQUENCY FOR OPERATION OF RADIO BROADCAST ON FREQUENCY MODULATION.

CHAPTER I

GENERAL PROVISION

Article 1

What is meant in this Dalam Regulation of Minister by:

- 1 Telecommunication media shall be any appliances used for telecommunication.

2. Appliances shall be series of telecommunication appliances making it possible for telecommunication.
3. Radio Transmitter shall be radio transmitter used to transmit radio waves.
4. Radio Station shall be one or several appliances for transmitting or receiving or consolated appliances for transmitting or receiving radio transmitter including appliances required in any location to transmit radio communication.
5. Radio Frequency Spectrum shall be collection of radio frequency tape.
6. Radio Frequency Tape shall be part of radio frequency spectrum with particular width.
7. Radio Frequency Channel shall be part of Radio Frequency Tape stipulated for any radio station.
8. Modulation Frequency hereinafter referred to as FM shall be media for transmitting information sign by attaching the information sign through wave carrier using radio modulation frequency.
9. Allocated Radio Frequency shall be installing particular radio frequency tape in the table allocated for Indonesia for use by one or several divisions on terrestrial communication or division on outer space radio communication based on certain requirement. This term must also be applied on the relevant tape of radio frequency.
10. Assignment of Radio Frequency Tape or Frequency Channel shall be authority granted by any Administration, in this matter, the Minister to any radio station to use the radio frequency or radio frequency channel based on particular requirement.
11. License for Radio Station for use of radio frequency spectrum chanel hereinafter referred to ISR shall be license for using radio frequency channel based on certain rerquirement.

12. Effective Radiated Power hereinafter referred to ERP shall be result power multiplication result supplied to antenna with relative strong (gain) against antenna at medium wave pole.
13. Effective Height Above Average Terrain hereinafter referred to EHAAT shall be effective height of transmitting antenna counted from the average ground surface of a distance between three (3) km up to 15 km from the transmission location.
14. Separator Radio Frequency shall be space distance of channel used between LPP/LPS and LPK.
15. Service Area shall be radio station receiving area protected from (interference) other radio frequency signal.
16. Service Center Area shall be point of reference used to determine outer border from any service area.
17. Community Radio Broadcast Institution hereinafter referred to as Radio LPK Radio shall be Radio Broadcasting Institution in Indonesia Legal Entity, duly established by certain community, it is independent, and non-commercial, with low broadcasting power, limited area expand, and is meant to serve the community's interest.
18. Private Broadcasting Institution hereinafter referred to as LPS shall be commercial broadcasting institution in the form of Indonesia legal entity, which business is to provide service on radio broadcasting.
19. Public Broadcasting Institution hereinafter referred to as LPP shall be broadcasting institution in the form of legal entity duly established by the State, with the nature of independent, neutral, non-commercial, and functioning to provide service for public interest.
20. Minister shall be Minister which scope of duty and responsibility are on telecommunication.
21. Director General shall be Director General of Power, Post and Information Resource.
22. Directorate General shall be Directorate General of Power and Post Information Resource.

Article 2

Radio Frequency Tape for FM radio broadcast allocated at 87,6 MHz – 108 MHz. frequency.

CHAPTER II

TECHNICAL PROVISION

Article 3

Every FM radio broadcasting shall be obliged to comply with the technical provision below:

- a. space between radio frequency channel used shall be 100 kHz for LPP, LPS and LPK as specified in Attachment- I constituting inseparable part of this Regulation Minister.
- b. Transmission used in FM radio broadcasting for LPP and LPS with frequency deviation for mono or stereo transmission at maximum ± 75 kHz at 100% modulation with specification of Out of Band Spurious Emission as specified in Attachment-II constituting inseparable part of this Regulation Minister;
- c. Transmission used in FM radio broadcast for LPK with frequency deviation for mono or stereo transmission of maximum ± 50 kHz with specification of Out of Band Spurious Emission as specified in Attachment-II constituting inseparable part of Regulation Minister ini;
- d. transmitter frequency tolerance of radio broadcast is 2 000 Hz as specified in Appendix 3 to Regulation on Radio;
- e. spurious emission level shall be minimum 60 dB below power mean level as specified in Appendix 3 to Regulation on Radio;
- f. bandwidth at 100% modulation used is maximum 300 kHz;
- g. oscillator must have centre frequency stability at maximum ± 200 Hz from medium radio frekuensi; and

- h. protection ratio of implementation of FM radio broadcast used must comply with the recommendation of ITU-R BS.412-9 as follows:

frequency offset (KHz)	mono (dB)	stereo (dB)
0	28	37
100	12	25
200	6	7
300	-7	-7
400	-20	-20

Article 5

- (1) Radio Station for LPP and LPS is classied into three (3) classes as follows:

- Class A with ERP from 15 (fifteen) kW up to 63 (sixty-three) kW, with most outer point of service area at the farthest 30 (thirty) km from the center of the service area;
- Class B with ERP from 2 (two) kW up to 15 (fifteen) kW, with most outer point of service area at the farthest 20 (twenty) km from the center of service area; and
- Class C with ERP of maximum 4 (four) kW, with most outer point of service area of farthest 12 (twelve) km from the central area.

- (2) Radio Station for LPK classified in Class D with ERP maximum 50 (fifty) watt, with sevice area farthest 2,5 (two, comma five) km from the location of broadcasting station..

- (3) Radio Station for LPK referred to in paragraph (2) which service area probably exceeds 2,5 (two comma five) km from the location of broadcasting station station or ERP probably exceeding 50 (fifty) watt based on the need for information communicated within the area which spread of population is not compact and remote.

- (4) The service area referred to in paragraph (3) shall be determined by the Minister based on the result of technical evaluation conducted by the Directorate General.
- (5) Most outer point of service area referred to in paragraph (1) and paragraph (2) the field strength is limited to maximum 66 dB μ V/m.
Provision on the volume of ERP and EHAAT is maximum for the respective Class is as set forth in Attachment- III constituting inseparable part of this Regulation of Minister.
- (7) Center of Service Area for Radio LPP and LPS Stations as referred to in paragraph (1) shall be as specified in Attachment-IV constituting inseparable part of this Regulation of Minister.

Article 6

- (1) Radio Station Class A as referred to in Article 5 paragraph (1) letter a is allocated especially for radio broadcast in Jakarta Special Capital City Area and in areas bordering other countries.
- (2) Radio Station Class B as referred to in Article 5 paragraph (1) letter b is allocated for radio broadcast in Provincial city including Jakarta Special Capital City Area.
- (3) Radio Station Class C as referred to in Article 5 paragraph (1) letter c is allocated for radio broadcast in area other than as referred to in paragraph (1) and paragraph (2).
- (4) Radio Station Class D as referred to in Article 5 paragraph (2) is allocated for community radio broadcast so long technically makes it possible.

Article 7

- (1) Operation of FM radio broadcast located in area bordering other counter is obliged to comply with the mapping of service area as specified in Attachment-V constituting inseparable part of this Regulation of Minister.

- (2) Operation of FM radio broadcast located in area bordering other country as referred to in paragraph (1) may use Radio Station up to Class A as referred to in Article 6 paragraph (1) letter a.

Article 8

- (1) Based on the technical provision referred to in Article 3 letter a channeling plan shall be stipulated as specified in Attachment-VI constituting inseparable part of this Regulation of Minister.
- (2) Channeling planning for FM radio broadcast as referred to in paragraph (1) will be used for:
- a. LPP;
 - b. LPS; and
 - c. LPK.
- (3) The channeling plan referred to in paragraph (1) shall cover:
- a. Channel Number 1 through 200 shall be used for LPP and LPS;
 - b. Channel Number 202, 203 and 204 shall be used for LPK.

CHAPTER III

CHANNELING RADIO FREQUENCY FOR BROADCASTING RADIO STATION WITH FREQUENCY MODULATION

Article 9

Any operation of FM radio broadcast for LPP and LPS shall be obliged to comply with the Channeling Radio Frequency for the purpose of FM radio broadcast as specified in Attachment-VI constituting inseparable part of this Regulation of Minister.

Article 10

ISR for the need of LPP and LPS provided based on Channeling Radio Frequency as referred to in Article 8 paragraph (3) letter a.

Article 11

ISR for the need of LPK is provided based on Channeling of Radio Frequency as referred to in Article 8 paragraph (3) letter b by first exercise technical study by the Directorate General..

CHAPTER IV**APPLIANCES CERTIFICATION****Article 12**

Any telecommunication appliance and media used for FM radio broadcast of LPP, LPS and LPK must comply with the Certificate on appliances and media based on the provisions in the statutory regulation.

CHAPTER V**SUPERVISION AND CONTROL****Article 13**

Director General shall exercise Supervision and Control on the implementation of this Regulation of Minister.

CHAPTER VI**TRANSITIONAL PROVISION****Article 14**

By the time this Regulation of Minister takes effect, use of Channeling Radio Frequency for FM radio broadcast that holds ISR from the Directorate General prior to this Regulation of Minister is stipulated, is obliged to make adjustment within one (1) year at the latest effective as of this Regulation of Minister is enacted.

Article 15

If in the adjustment referred to in Article 14 Amendment is made to Channeling Radio Frequency resulting from stipulation of this Regulation of Minister, the Channeling of Radio Frequency and time adjustment shall be stipulated under Decision of Minister.

CHAPTER VII

CLOSING PROVISION

Article 16

What is meant in this Regulation of Minister by:

- a. Regulation of Minister of Communication and Information Number 13/PER/M.KOMINFO/08/2010, concerning Second Amendment to Decision of Minister of Communication KM.15 Year 2003, concerning Master Plan (Master Plan) on Radio Frequency on Operation of Special Telecommunication for the purpose of FM (Frequency Modulation);Radio Broadcast.
- b. Decision of Minister of Communication KM. 15 Year 2003, concerning Master Plan on Radio Frequency on Operation of FM Radio Broadcast;
- c. Decision Minister of Communication Number KM. 15 Year 2004 tentang Amendment atas Decision Minister of Communication Number KM. 15 Year 2003 tentang Master Plan on Radio FrequencyOperation of Special Telecommunication for the purpose of FM (Frequency Modulation) Radio Broadcast ;
- d. Decision Minister of Communication Number KM. 27 Year 2004, concerning Stipulation and Procedure for Transfer of Radio Frequency Channel for Operation of FM radio broadcas; and
- e. Decision of the Director General of Post and Telecommunication Number 15A/DIRJEN/2004 concerning provision on Transfer of Channeling Radio Frequency for Operation of Radio Broadcast concerning provision on the Transfer of Channeling Radio Frequency for operation of FM radio broadcast FM Radio Broadcast Frequency Modulation),

is revoked and hereby declared is null and void.

Article 16

This Regulation of Minister takes effect on the date it is enacted.

For public recognition, this Regulation of Minister shall be announced by placing it in the State Gazette of the Republic of Indonesia.

Stipulated in Jakarta

Dated January 12, 2017

MINISTER OF COMMUNICATION AND INFORMATION
OF THE REPUBLIC OF INDONESIA,

sgd.

RUDIANTARA

Enacted in Jakarta

Dated January 30, 2017

DIRECTOR GENERAL OF STATUTORY REGULATION
MINISTRY OF LAW AND HUMAN RIGHTS
OF THE REPUBLIC OF INDONESIA,

sgd.

WIDODO EKATJAHJANA

STATE GAZETTE THE REPUBLIC OF INDONESIA
YEAR 2017 NUMBER 187

Note from Editor:

- Due to technical reason, no Attachment-is provided herein.

(MA)