



สำนักงานคณะกรรมการกิจการกระจายเสียง กิจการโทรทัศน์ และกิจการโทรคมนาคมแห่งชาติ

The National Broadcasting and Telecommunications Commission

การประชุมกลุ่มย่อย “ระเบียบวาระที่ 1.2 1.3 1.7 และ 1.15”
ภายใต้คณะทำงานเตรียมการประชุมใหญ่
ระดับโลกว่าด้วยวิทยุคมนาคม ค.ศ. 2019 (WRC-19)

ตุลาคม 2561

สำนักบริหารคลื่นความถี่ (คท.)

สำนักงานคณะกรรมการกิจการกระจายเสียง กิจการโทรทัศน์ และกิจการโทรคมนาคมแห่งชาติ



Draft CPM text Ai 1.2 in-band power limit



Method	399.9-400.05 MHz	401-403 MHz	Termination time for existing use
A	NOC	NOC	-
B	399.9-400.03 e.i.r.p limit 400.03-400.05 no limit	-	2024
C	e.i.r.p limit	-	2024
D	399.9-400.03 e.i.r.p limit 400.03-400.05 no limit	-	2029
E	-	e.i.r.p limit	-
F	-	e.i.r.p limit e.i.r.p. density	-



Preliminary view



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Preliminary View

-APT members support establishing in-band power limits for earth stations in the EESS and MetSat in the frequency band 401-403 MHz and the MSS in the frequency band 399.9-400.05 MHz, adding a new footnote **in the Table of Frequency Allocations in RR Article 5**, in order to **ensure** the operation of existing and future systems that usually implement with low or moderate output powers for **MSS, EESS and MetSat** systems.

-APT members are of the view that transitional arrangements are needed to ensure that the existing telecommands for EESS, including those systems to be notified/brought into use before a certain date (e.g. the November 22, 2019), may continue to operate.



Draft CPM text Ai 1.3 – MetSat/EESS



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One single method (EESS/MetSat as co primary service
with two options for GSO pfd limits

For GSO satellites:

Option 1:

$$pfd \text{ (dBW/(m}^2 \cdot 4\text{kHz))} = \begin{cases} -162 & 0^\circ \leq \alpha \leq 15^\circ \\ -162 + 0.5(\alpha - 15) & 15^\circ < \alpha < 35^\circ \\ -152 & 35^\circ \leq \alpha \leq 90^\circ \end{cases}$$

Option 2:

$$pfd \text{ (dBW/(m}^2 \cdot 4\text{kHz))} = -156 + 0.033 \times \alpha \quad 0^\circ \leq \alpha \leq 90^\circ$$



Preliminary view

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Preliminary View

APT members support the single Method indicated in the draft CPM report, proposing Radio Regulations (RR) changes by upgrading the MetSat and EESS allocations to primary in the frequency band 460-470 MHz. Moreover, the pfd limits for non-GSO and the single pfd limits for GSO satellites are preferable that would protect the incumbent in-band and adjacent channel service operations.

Draft CPM text Ai 1.7



Short duration mission: TT&C

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Method	403-404 MHz (New)	404-405 MHz (New)	137-138 MHz (DL) 148-149.9 MHz (UL) (Existing)
A	NOC	NOC	NOC
B1	✓	-	-
B2	-	✓	-
C	-	-	✓



Preliminary view



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Preliminary View

APT Members are of the view that protection of existing services is necessary and any new allocations or upgrades of existing allocations to the space operation service should be applied without any constraint to the incumbent services and their future development, both in-band as well as adjacent bands