

Source: TTA
Title: Introduction of the VLP mode for the 6GHz unlicensed band
Agenda Item: 5.2.2 (Regulatory requirements and evaluation for re-using existing NS)
Document for: Information

1. Introduction

The Ministry of Science and ICT (MSIT) in the Republic of Korea announced the release of the 6 GHz band (5,925 – 7,125 MHz) for the license-exempt operation on October 15, 2020. Its technical regulation, which is already included in 3GPP TR 37.890 [1], is shown as below.

Region	Country	Permissible operation	Frequency range	Maximum mean EIRP for in-band emissions	Maximum mean EIRP density for in-band emissions	Maximum mean EIRP density for out-of-band emissions
Region 3	South Korea	LPI	5925 – 7125MHz	24dBm	2dBm/MHz	-27 dBm/MHz (outside operational range)
		VLP	5925 – 6425MHz	14dBm	1dBm/MHz	-34 dBm/MHz (outside operational range of the VLP mode)

2. Comments

Korean regulation includes the LPI/VLP operation modes. Regarding the VLP operation, MSIT and domestic industries prefer to standardize the related requirement for VLP mode to enrich the echo system of the 6 GHz unlicensed band. TTA kindly ask 3GPP RAN4 to consider this within REL-17 schedule, at least no later than REL-18.

3. References

[1] 3GPP TR 37.890 V0.13.0, " Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations ".