V2N RSRP Threshold
α dBm

V2X RSRP Threshold -Yet to be
decided

gNB/eNB

A

B

C

D

Broadcast msg RSRP Threshold:
Yet to be decided

V2V RSRP (HARQ will be triggered)
Threshold: Yet to be decided

UE	Synchronised by	SyncReF UE level	Broadcasting Received By	HARQ sent to	Traffic and Network Pedestrian data (DL)	Edge Server(V2N-UL)
A	gNB	Level 2	B	B	By gNB (V2N)	YES (V2N)
B	gNB	Level 2	A, C	A	By A (V2V)	NO
C	B	Level 3	B	N/A	N/A	NO
D	Internal Clock	Level 3	N/A	N/A	N/A	N/A

α is predicted as -116 dBm

V2V/V2P RSRP Threshold: Yet to be decided

Broadcast msg RSRP Threshold: Yet to be decided

UE	V2V Communicated to	Pedestrians Info received	Broadcasting Received By	HARQ sent to
A	B	P2,P3,P4-via B	B,P2,P3,P1,C	B
B	A	P4,P3,P2-via A	A,P3,P4	A
C	N/A	P5	A,P5	N/A

UE	V2P Communicated to	Broadcasting msg Received from
P1	N/A	A
P2	A	A
P3	A,B	A,B
P4	B	A,B
P5	C	C