

Grip Sensor Power Verification

This device has two proximity sensors to reduce the output power. The table below shows the positions(surfaces) where the antenna and sensor are activated.

Bands	Antenna	Sensor	Positions (Surfaces)			
			Back	Top	Left	Right
WiFi 2.4GHz	SISO1	Grip #1	On	On	On	
WiFi 2.4GHz	SISO2	Grip #2	On	On		On
WiFi 5GHz	SISO1	Grip #1	On	On	On	
WiFi 5GHz	SISO2	Grip #2	On	On		On
WiFi 6GHz	SISO1	Grip #1	On	On	On	
WiFi 6GHz	SISO2	Grip #2	On	On		On
BT	SISO1	Grip #1	On	On	On	
BT	SISO2	Grip #2	On	On		On

1 Grip Sensor – Grip #1 Rear

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.2

		KDB 616217 D04 6.2.b-g																							
distance [mm]		36 mm	33 mm	30 mm	27 mm	24 mm	21 mm	18 mm	15 mm	20 mm	19 mm	18 mm	17 mm	16 mm	15 mm	14 mm	13 mm	12 mm	11 mm	8 mm	5 mm	2 mm	0 mm		
WiFi2.4GHz 802.11b 1Mbps SISO1		18.1	18.0	18.0	18.1	18.0	18.1	18.1	11.6	18.2	18.2	18.1	18.1	18.0	11.7	11.6	11.7	11.6	11.6	11.6	11.8	11.7	11.8		
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1		17.2	17.1	17.2	17.1	17.0	16.9	16.9	8.6	16.9	17.0	17.2	17.1	17.2	8.4	8.5	8.6	8.4	8.6	8.5	8.6	8.6	8.6		
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1		17.0	17.0	17.0	17.0	17.0	17.2	17.0	8.5	17.3	17.2	17.0	17.2	17.1	8.5	8.6	8.5	8.4	8.5	8.6	8.5	8.4	8.4		
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1		17.3	17.3	17.1	17.3	17.1	17.1	17.3	7.5	17.3	17.1	17.2	17.1	17.1	7.4	7.5	7.3	7.3	7.5	7.4	7.3	7.3	7.6		
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1		16.9	16.8	16.9	16.8	16.7	16.8	16.9	7.3	16.8	16.9	16.8	16.8	16.9	7.3	7.3	7.3	7.2	7.2	7.3	7.4	7.3	7.2		
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1		15.0	14.8	15.0	15.0	14.9	15.0	15.0	8.6	15.0	14.9	15.0	15.1	15.0	8.8	8.7	8.5	8.7	8.6	8.8	8.5	8.5	8.6		
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1		14.9	15.2	15.0	15.0	15.1	15.1	15.0	8.3	15.1	14.9	14.9	15.0	15.2	8.5	8.5	8.5	8.4	8.3	8.4	8.6	8.6	8.4		
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1		15.3	15.2	15.1	15.2	15.1	15.2	15.1	7.5	15.1	15.1	15.1	15.2	15.3	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.8	7.6		
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1		15.0	15.1	15.2	15.1	15.3	15.3	15.1	7.6	15.0	15.0	15.2	15.2	15.1	7.6	7.7	7.4	7.5	7.4	7.5	7.5	7.4	7.4		
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1		9.2	9.1	9.3	9.2	9.1	9.1	9.1	6.7	9.2	9.3	9.2	9.3	9.2	7.0	6.8	6.8	6.9	7.0	6.7	6.7	6.9	6.9		
Bluetooth BDR 1Mbps SISO1		18.3	18.4	18.3	18.3	18.3	18.4	18.3	9.1	18.4	18.4	18.3	18.3	18.2	9.1	9.2	9.0	9.0	9.2	9.2	9.1	9.0	9.0		

		KDB 616217 D04 6.2.f															
distance [mm]		11 mm	12 mm	13 mm	14 mm	15 mm	16 mm	17 mm	18 mm	19 mm	20 mm	21 mm	22 mm	25 mm	28 mm		
WiFi2.4GHz 802.11b 1Mbps SISO1		11.8	11.7	11.6	11.6	11.7	11.6	11.8	18.2	18.0	18.1	18.1	18.2	18.1	18.2		
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1		8.4	8.5	8.5	8.7	8.6	8.5	8.6	17.2	17.1	17.1	17.1	17.2	17.2	16.9		
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1		8.6	8.7	8.6	8.5	8.4	8.4	8.7	17.1	17.1	17.1	17.1	17.1	17.3	17.2		
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1		7.3	7.5	7.3	7.4	7.5	7.5	7.5	17.3	17.2	17.1	17.2	17.2	17.1	17.1		
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1		7.2	7.2	7.2	7.2	7.4	7.3	7.2	16.7	16.9	16.7	16.8	16.7	16.7	16.8		
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1		8.6	8.7	8.5	8.8	8.7	8.5	8.7	15.1	15.0	14.8	14.9	15.0	14.9	15.1		
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1		8.5	8.4	8.5	8.5	8.5	8.5	8.3	15.0	15.0	14.9	15.1	15.0	15.0	15.0		
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1		7.7	7.7	7.5	7.6	7.8	7.7	7.7	15.3	15.2	15.2	15.2	15.1	15.0	15.1		
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1		7.6	7.6	7.7	7.6	7.4	7.6	7.5	15.2	15.3	15.1	15.2	15.0	15.0	15.1		
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1		6.9	7.0	6.9	6.8	6.9	6.9	7.0	9.2	9.2	9.3	9.3	9.3	9.2	9.1		
Bluetooth BDR 1Mbps SISO1		9.0	9.2	9.2	9.0	9.1	9.1	8.9	18.3	18.3	18.2	18.2	18.3	18.2	18.3		

1.2 Grip #1 Top

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.2

		KDB 616217 D04 6.2.b-g																							
distance [mm]		41 mm	38 mm	35 mm	32 mm	29 mm	26 mm	23 mm	20 mm	25 mm	24 mm	23 mm	22 mm	21 mm	20 mm	19 mm	18 mm	17 mm	16 mm	13 mm	10 mm	7 mm	4 mm	1 mm	0 mm
WiFi2.4GHz 802.11b 1Mbps SISO1		18.0	18.2	18.2	18.1	18.1	18.0	18.2	11.6	18.1	18.2	18.2	18.2	18.1	11.8	11.6	11.8	11.6	11.8	11.8	11.6	11.8	11.6	11.7	
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1		17.0	17.0	17.2	17.2	17.0	17.1	17.0	8.6	16.9	17.0	17.0	17.1	17.2	8.5	8.6	8.4	8.5	8.6	8.4	8.6	8.4	8.6	8.6	8.5
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1		17.1	17.1	17.1	17.2	17.0	17.1	17.2	8.5	17.0	17.0	17.0	17.1	17.1	8.6	8.6	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.5	8.6
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1		17.2	17.3	17.3	17.1	17.2	17.2	17.1	7.4	17.3	17.2	17.2	17.3	17.2	7.4	7.4	7.3	7.5	7.6	7.4	7.4	7.3	7.3	7.4	7.6
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1		16.8	16.9	16.8	16.7	16.8	16.8	16.7	7.4	16.9	16.9	16.9	16.8	16.8	7.2	7.2	7.3	7.3	7.4	7.3	7.2	7.3	7.2	7.2	7.2
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1		14.9	15.1	14.9	14.9	14.8	15.1	15.1	8.8	15.0	14.9	15.1	15.1	14.8	8.7	8.5	8.8	8.6	8.7	8.5	8.7	8.7	8.5	8.7	8.6
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1		15.1	15.1	15.0	15.0	14.9	15.1	15.1	8.4	15.2	15.0	15.2	15.1	15.2	8.4	8.3	8.4	8.4	8.5	8.4	8.4	8.5	8.5	8.5	8.5
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1		15.1	15.2	15.2	15.3	15.3	15.0	15.1	7.5	15.0	15.3	15.3	15.0	15.3	7.8	7.7	7.5	7.5	7.7	7.5	7.8	7.7	7.6	7.6	7.8
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1		15.2	15.0	15.1	15.2	15.3	15.0	15.2	7.5	15.1	15.3	15.2	15.3	15.3	7.6	7.5	7.6	7.4	7.7	7.4	7.4	7.6	7.7	7.6	7.5
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1		9.2	9.2	9.1	9.3	9.1	9.2	9.1	6.9	9.2	9.2	9.3	9.2	9.3	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.8	6.8	6.8	6.8
Bluetooth BDR 1Mbps SISO1		18.3	18.1	18.3	18.4	18.1	18.2	18.4	9.1	18.2	18.3	18.2	18.4	18.3	9.1	8.9	9.0	9.0	9.1	9.2	9.1	9.0	9.1	9.1	9.0

		KDB 616217 D04 6.2.f															
distance [mm]		16 mm	17 mm	18 mm	19 mm	20 mm	21 mm	22 mm	23 mm	24 mm	25 mm	26 mm	27 mm	30 mm	33 mm		
WiFi2.4GHz 802.11b 1Mbps SISO1		11.7	11.7	11.6	11.7	11.7	11.7	11.8	18.1	18.2	18.2	18.0	18.1	18.1	18.2		
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1		8.5	8.6	8.7	8.5	8.5	8.4	8.4	16.9	17.1	17.2	17.0	17.0	17.1	17.2		
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1		8.5	8.6	8.5	8.5	8.4	8.5	8.5	17.2	17.1	17.1	17.2	17.1	17.0	17.1		
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1		7.6	7.6	7.5	7.5	7.6	7.6	7.4	17.2	17.2	17.1	17.1	17.1	17.3	17.1		
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1		7.3	7.2	7.2	7.4	7.4	7.3	7.3	16.8	16.8	16.7	16.9	16.8	16.8	16.7		
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1		8.6	8.8	8.6	8.7	8.7	8.7	8.7	15.0	14.8	14.9	15.0	14.9	15.0	15.0		
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1		8.4	8.5	8.4	8.5	8.4	8.5	8.5	15.0	14.9	14.9	15.1	15.1	15.1	15.0		
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1		7.8	7.5	7.6	7.7	7.7	7.7	7.7	15.0	15.3	15.0	15.1	15.2	15.1	15.1		
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1		7.6	7.4	7.6	7.5	7.5	7.7	7.7	15.1	15.1	15.1	15.2	15.2	15.0	15.3		
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1		6.8	6.9	6.9	6.8	6.7	6.9	6.9	9.1	9.0	9.1	9.1	9.3	9.1	9.1		
Bluetooth BDR 1Mbps SISO1		9.1	9.0	9.0	8.9	9.1	9.2	9.1	18.3	18.4	18.2	18.3	18.2	18.2	18.4		

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.4 – Tested @20mm

		KDB 616217 D04 6.4									
tilt angle [°]		-45	-35	-25	-15	-5	5	15	25	35	45
WiFi2.4GHz 802.11b 1Mbps SISO1		11.7	11.8	11.6	11.6	11.8	11.7	11.6	11.7	11.8	11.6
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1		8.5	8.5	8.6	8.4	8.5	8.5	8.6	8.6	8.5	8.4
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1		8.4	8.6	8.6	8.6	8.6	8.5	8.4	8.4	8.5	8.5
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1		7.5	7.6	7.4	7.4	7.6	7.4	7.5	7.5	7.6	7.5
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1		7.3	7.4	7.4	7.4	7.2	7.3	7.4	7.4	7.2	7.5
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1		8.7	8.5	8.6	8.6	8.5	8.7	8.6	8.7	8.6	8.5
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1		8.3	8.6	8.4	8.5	8.3	8.5	8.4	8.6	8.5	8.3
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1		7.5	7.6	7.6	7.6	7.7	7.5	7.6	7.7	7.8	
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1		7.5	7.5	7.5	7.4	7.6	7.6	7.5	7.4	7.6	7.7
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1		6.9	6.8	7.0	6.9	6.9	6.9	6.7	6.7	6.7	6.9
Bluetooth BDR 1Mbps SISO1		9.1	9.1	9.2	9.0	8.9	9.2	9.2	9.2	9.0	9.2

1.3 Grip #1 Left

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.2

KDB 616217 D04 6.2.b-g																				
distance [mm]	31 mm	28 mm	25 mm	22 mm	19 mm	16 mm	13 mm	10 mm	15 mm	14 mm	13 mm	12 mm	11 mm	10 mm	9 mm	8 mm	7 mm	6 mm	3 mm	0 mm
WiFi2.4GHz 802.11b 1Mbps SISO1	18.1	18.1	18.1	18.1	18.2	18.0	18.1	11.8	18.1	18.2	18.1	18.0	18.2	11.8	11.9	11.7	11.6	11.7	11.8	11.6
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1	17.1	17.0	17.0	17.1	17.2	17.1	17.0	8.5	17.1	17.1	17.1	17.1	17.1	8.4	8.4	8.6	8.4	8.5	8.7	8.7
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1	17.0	17.1	17.1	17.1	17.1	17.1	17.1	8.7	17.2	17.1	17.3	17.2	17.0	8.6	8.7	8.6	8.6	8.5	8.6	8.5
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1	17.2	17.1	17.1	17.1	17.0	17.1	17.3	7.5	17.1	17.2	17.1	17.3	17.1	7.4	7.5	7.4	7.5	7.6	7.6	7.5
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1	16.7	16.7	16.8	16.9	16.7	16.8	16.7	7.2	16.7	16.8	16.7	16.9	16.7	7.3	7.4	7.3	7.2	7.3	7.3	7.4
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1	14.9	14.8	15.0	15.0	14.9	14.9	15.0	8.5	15.0	15.0	14.8	15.0	14.9	8.6	8.7	8.6	8.6	8.5	8.6	8.7
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1	15.0	15.0	15.2	14.9	15.1	14.9	15.0	8.5	15.1	15.0	15.0	15.0	15.1	8.4	8.5	8.4	8.4	8.3	8.4	8.5
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1	15.1	15.1	15.2	15.1	15.2	15.2	15.0	7.8	15.2	15.1	15.1	15.3	15.0	7.5	7.5	7.7	7.6	7.6	7.7	7.7
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1	15.1	15.1	15.2	15.1	15.3	15.1	15.1	7.6	15.3	15.1	15.2	15.2	15.2	7.4	7.6	7.4	7.6	7.6	7.6	7.5
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1	9.3	9.1	9.1	9.1	9.3	9.2	9.2	6.8	9.3	9.2	9.0	9.1	9.1	6.7	6.7	6.8	6.9	6.8	7.0	6.8
Bluetooth BDR 1Mbps SISO1	18.2	18.2	18.2	18.2	18.3	18.4	18.2	9.2	18.2	18.2	18.3	18.2	18.3	9.0	9.0	9.2	9.0	9.2	9.2	9.2

KDB 616217 D04 6.2.f													
distance [mm]	6 mm	7 mm	8 mm	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm	16 mm	19 mm	22 mm
WiFi2.4GHz 802.11b 1Mbps SISO1	11.6	11.8	11.7	11.6	11.6	11.7	18.2	18.1	18.2	18.0	18.0	18.2	18.1
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1	8.5	8.5	8.7	8.4	8.5	8.6	17.0	17.2	17.0	17.0	17.0	17.1	17.1
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1	8.6	8.6	8.7	8.5	8.4	8.5	17.0	17.3	17.2	17.0	17.1	17.1	17.1
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1	7.4	7.3	7.4	7.5	7.5	7.4	17.1	17.1	17.3	17.1	17.2	17.1	17.2
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1	7.2	7.2	7.4	7.2	7.2	7.4	16.8	16.9	16.9	16.8	16.8	16.8	16.6
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1	8.8	8.7	8.7	8.5	8.5	8.7	15.0	15.0	15.0	15.0	15.0	15.1	15.1
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1	8.3	8.4	8.6	8.6	8.4	8.5	15.0	15.2	14.9	14.9	15.1	15.1	15.1
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1	7.6	7.5	7.6	7.6	7.6	7.6	15.1	15.2	15.3	15.2	15.0	15.2	15.1
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1	7.6	7.5	7.4	7.5	7.5	7.6	15.2	15.2	15.3	15.3	15.1	15.2	15.0
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1	6.8	6.8	6.9	6.9	6.8	7.0	9.3	9.2	9.2	9.2	9.3	9.0	9.1
Bluetooth BDR 1Mbps SISO1	9.2	9.0	9.0	9.0	9.2	8.9	18.4	18.4	18.4	18.2	18.2	18.2	18.4

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.4 – Tested @10mm

KDB 616217 D04 6.4										
tilt angle [°]	-45	-35	-25	-15	-5	5	15	25	35	45
WiFi2.4GHz 802.11b 1Mbps SISO1	11.8	11.8	11.6	11.6	11.6	11.9	11.7	11.8	11.7	11.6
WiFi5GHz 802.11a 6Mbps UNII 2A SISO1	8.4	8.6	8.6	8.5	8.4	8.4	8.5	8.6	8.7	8.5
WiFi5GHz 802.11a 6Mbps UNII 2C SISO1	8.6	8.6	8.6	8.5	8.4	8.5	8.5	8.6	8.6	8.5
WiFi5GHz 802.11a 6Mbps UNII 3 SISO1	7.3	7.5	7.4	7.4	7.6	7.4	7.4	7.6	7.4	7.5
WiFi5GHz 802.11a 6Mbps UNII 4 SISO1	7.2	7.2	7.2	7.3	7.2	7.4	7.3	7.3	7.3	7.2
WiFi5GHz 802.11ac VHT80 UNII 2A SISO1	8.6	8.7	8.5	8.6	8.7	8.7	8.8	8.8	8.6	8.7
WiFi5GHz 802.11ac VHT80 UNII 2C SISO1	8.5	8.5	8.5	8.5	8.4	8.4	8.6	8.5	8.6	8.3
WiFi5GHz 802.11ac VHT80 UNII 3 SISO1	7.6	7.7	7.8	7.5	7.8	7.6	7.7	7.6	7.5	7.7
WiFi5GHz 802.11ac VHT80 UNII 4 SISO1	7.5	7.6	7.4	7.6	7.4	7.4	7.7	7.6	7.6	7.5
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO1	7.0	7.0	6.7	6.9	6.7	6.7	6.9	6.7	6.8	6.9
Bluetooth BDR 1Mbps SISO1	9.1	9.2	9.0	9.2	9.2	9.1	9.2	9.2	9.2	9.0

2 Grip Sensor – Grip #3 Rear

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.2

KDB 616217 D04 6.2.b-g																				
distance [mm]	36 mm	33 mm	30 mm	27 mm	24 mm	21 mm	18 mm	15 mm	20 mm	19 mm	18 mm	17 mm	16 mm	15 mm	14 mm	13 mm	12 mm	11 mm	8 mm	5 mm
WiFi2.4GHz 802.11b 1Mbps SISO2	18.0	18.0	17.9	18.0	17.9	18.1	18.1	11.3	17.9	17.8	18.0	17.9	18.0	11.3	11.4	11.3	11.2	11.4	11.4	11.5
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	17.0	16.9	17.0	16.9	17.1	16.9	16.9	8.3	16.9	16.9	16.9	17.1	17.1	8.5	8.3	8.4	8.4	8.3	8.3	8.4
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	17.0	17.1	17.0	17.1	17.1	17.0	17.1	8.8	17.2	17.0	17.2	17.2	17.1	8.6	8.7	8.8	8.8	8.8	8.7	8.7
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	17.2	17.1	17.1	17.1	17.0	17.0	17.0	7.6	17.0	17.2	17.0	17.2	17.1	7.7	7.7	7.6	7.7	7.7	7.6	7.5
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	17.0	16.9	17.1	17.0	17.0	16.9	16.9	7.2	16.9	17.0	17.1	17.0	17.1	7.2	7.3	7.2	7.2	7.3	7.1	7.3
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	14.9	15.1	15.0	15.0	15.0	15.0	15.1	8.1	14.9	15.1	14.9	14.9	15.1	8.4	8.3	8.2	8.1	8.3	8.3	8.3
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	15.1	15.0	15.1	15.1	14.9	15.0	15.1	8.4	15.1	14.9	15.0	15.1	15.0	8.4	8.5	8.2	8.3	8.3	8.4	8.4
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	14.8	14.8	14.8	14.8	14.9	14.7	14.9	7.8	14.7	14.9	15.0	14.7	14.9	7.7	7.6	7.7	7.7	7.7	7.5	7.6
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	15.3	15.1	15.2	15.2	15.3	15.2	15.1	7.6	15.3	15.1	15.1	15.2	15.2	7.7	7.5	7.6	7.6	7.8	7.5	7.7
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	9.1	9.0	8.8	8.8	9.0	8.9	9.0	6.9	8.9	8.8	9.1	8.9	8.9	6.8	6.8	6.9	6.8	6.9	6.8	6.6
Bluetooth BDR 1Mbps SISO2	17.5	17.4	17.5	17.4	17.5	17.4	17.5	9.1	17.4	17.5	17.6	17.6	17.5	8.9	8.9	8.9	9.0	9.0	8.9	8.9

KDB 616217 D04 6.2.f													
distance [mm]	11 mm	12 mm	13 mm	14 mm	15 mm	16 mm	17 mm	18 mm	19 mm	20 mm	21 mm	24 mm	27 mm
WiFi2.4GHz 802.11b 1Mbps SISO2	11.2	11.3	11.3	11.3	11.4	11.4	18.1	18.0	17.9	18.0	18.0	17.9	18.0
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	8.2	8.4	8.2	8.3	8.4	8.4	17.1	16.9	17.1	17.0	16.9	17.0	17.1
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	8.5	8.8	8.7	8.6	8.5	8.6	17.0	17.0	17.0	16.9	17.2	17.0	16.9
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	7.5	7.6	7.7	7.6	7.7	7.6	17.0	17.1	17.0	17.1	17.0	17.1	17.0
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	7.2	7.3	7.4	7.3	7.3	7.3	17.0	16.9	16.8	16.9	17.0	16.9	17.0
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	8.2	8.2	8.2	8.3	8.1	8.3	15.0	15.0	14.9	15.1	14.9	14.9	15.1
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	8.2	8.3	8.4	8.3	8.5	8.4	14.9	15.0	14.9	15.1	14.9	15.2	15.1
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	7.7	7.8	7.6	7.7	7.7	7.6	14.8	14.8	14.8	14.8	14.8	15.0	14.9
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	7.5	7.5	7.6	7.5	7.6	7.7	15.2	15.3	15.3	15.2	15.3	15.1	15.1
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	6.8	6.8	6.8	6.9	6.8	6.8	9.0	9.1	9.1	8.9	8.8	8.8	9.1
Bluetooth BDR 1Mbps SISO2	8.9	9.0	8.9	9.0	8.9	9.1	17.5	17.5	17.6	17.5	17.6	17.5	17.6

2.2 Grip #2 Top

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.2

KDB 616217 D04 6.2.b-g																				
distance [mm]	41 mm	38 mm	35 mm	32 mm	29 mm	26 mm	23 mm	20 mm	25 mm	24 mm	23 mm	22 mm	21 mm	20 mm	19 mm	18 mm	17 mm	16 mm	13 mm	10 mm
WiFi2.4GHz 802.11b 1Mbps SISO2	18.0	17.9	18.0	17.9	18.0	18.0	18.0	11.3	17.9	17.8	17.8	17.8	18.0	11.4	11.2	11.3	11.5	11.3	11.4	11.5
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	16.9	16.9	16.9	16.9	17.1	17.1	16.9	8.4	17.1	17.0	17.0	17.0	17.0	8.2	8.3	8.4	8.2	8.2	8.3	8.2
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	17.0	17.0	17.1	17.1	17.2	16.9	16.9	8.6	17.0	17.1	17.0	17.1	17.1	8.7	8.7	8.6	8.6	8.7	8.7	8.7
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	17.1	17.2	17.1	17.1	16.9	17.1	17.0	7.8	17.1	17.1	17.0	17.1	17.2	7.7	7.7	7.6	7.6	7.7	7.5	7.7
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	17.0	16.9	16.8	17.1	16.9	16.8	16.8	7.3	17.1	16.8	16.9	16.8	16.9	7.4	7.3	7.3	7.4	7.2	7.4	7.2
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	14.8	15.1	14.9	15.0	14.8	15.0	14.9	8.2	14.9	15.0	14.9	15.0	15.1	8.3	8.2	8.2	8.3	8.2	8.1	8.2
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	15.0	15.1	15.1	14.9	15.0	15.0	15.1	8.5	15.0	15.0	15.1	15.0	15.1	8.3	8.4	8.3	8.2	8.3	8.3	8.5
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	14.8	14.7	14.8	14.7	14.9	14.8	14.8	7.6	14.8	14.9	15.0	15.0	14.9	7.8	7.8	7.8	7.6	7.8	7.6	7.7
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	15.3	15.1	15.1	15.2	15.1	15.3	15.1	7.7	15.3	15.2	15.2	15.2	15.2	7.7	7.5	7.5	7.7	7.6	7.5	7.6
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	9.0	8.9	9.1	8.9	9.0	8.8	8.8	6.7	8.9	8.8	8.9	8.9	9.1	6.8	6.8	6.8	6.9	6.7	6.9	6.8
Bluetooth BDR 1Mbps SISO2	17.6	17.6	17.5	17.4	17.5	17.5	17.5	9.0	17.4	17.6	17.6	17.5	17.6	17.6	9.0	9.0	9.0	9.1	9.1	9.0

KDB 616217 D04 6.2.f													
distance [mm]	16 mm	17 mm	18 mm	19 mm	20 mm	21 mm	22 mm	23 mm	24 mm	25 mm	26 mm	29 mm	32 mm
WiFi2.4GHz 802.11b 1Mbps SISO2	11.3	11.5	11.3	11.3	11.3	11.3	17.8	17.9	17.9	18.0	18.1	17.8	17.9
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	8.4	8.3	8.3	8.4	8.2	8.4	16.9	16.9	16.9	17.1	16.9	16.9	16.9
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	8.6	8.6	8.6	8.7	8.7	8.7	16.9	17.0	17.1	17.2	17.1	17.1	17.0
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	7.7	7.7	7.5	7.7	7.6	7.5	16.9	17.0	17.2	17.1	17.2	17.1	17.1
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	7.4	7.4	7.4	7.3	7.4	7.2	16.9	17.0	17.0	16.9	17.1	17.0	16.8
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	8.3	8.4	8.1	8.2	8.3	8.2	14.9	14.9	15.0	14.9	15.0	15.0	15.1
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	8.4	8.5	8.4	8.5	8.4	8.3	15.2	15.1	14.9	14.9	15.1	15.1	15.0
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	7.6	7.8	7.7	7.7	7.6	7.8	14.7	14.9	14.9	15.0	14.9	14.9	14.9
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	7.7	7.7	7.5	7.8	7.7	7.6	15.1	15.2	15.1	15.2	15.2	15.2	15.2
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	6.8	6.9	6.7	6.9	6.7	6.8	9.0	9.1	8.9	9.0	8.9	9.1	9.0
Bluetooth BDR 1Mbps SISO2	8.9	9.2	9.1	8.9	8.9	8.9	17.6	17.6	17.5	17.4	17.4	17.6	17.6

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.4 – Tested @20mm

KDB 616217 D04 6.4										
tilt angle [°]	-45	-35	-25	-15	-5	5	15	25	35	45
WiFi2.4GHz 802.11b 1Mbps SISO2	11.3	11.4	11.3	11.4	11.3	11.3	11.3	11.5	11.4	11.3
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	8.2	8.5	8.3	8.4	8.4	8.2	8.4	8.3	8.3	8.3
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	8.6	8.6	8.5	8.5	8.7	8.5	8.7	8.6	8.8	8.6
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	7.8	7.6	7.5	7.7	7.6	7.6	7.7	7.6	7.6	7.7
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	7.2	7.4	7.3	7.3	7.4	7.4	7.3	7.4	7.2	7.2
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	8.1	8.3	8.2	8.1	8.2	8.1	8.3	8.3	8.3	8.1
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	8.5	8.3	8.3	8.4	8.3	8.3	8.3	8.5	8.4	8.4
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	7.6	7.7	7.7	7.5	7.7	7.7	7.8	7.6	7.8	7.6
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	7.6	7.7	7.7	7.5	7.6	7.6	7.5	7.5	7.5	7.6
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	6.1	6.0	6.1	6.1	5.9	5.9	6.1	6.1	6.0	6.0
Bluetooth BDR 1Mbps SISO2	8.9	9.0	8.9	9.0	9.1	8.9	9.1	9.0	9.1	9.1

2.3 Grip #2 Right

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.2

KDB 616217 D04 6.2.b-g																					
distance [mm]	33 mm	30 mm	27 mm	24 mm	21 mm	18 mm	15 mm	12 mm	17 mm	16 mm	15 mm	14 mm	13 mm	12 mm	11 mm	10 mm	9 mm	8 mm	5 mm	2 mm	0 mm
WiFi2.4GHz 802.11b 1Mbps SISO2	17.9	17.9	18.0	18.0	18.1	17.8	18.1	11.3	18.0	17.9	18.1	17.8	17.9	11.3	11.2	11.5	11.5	11.5	11.3	11.5	11.1
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	16.9	17.0	16.9	16.9	17.0	16.9	17.1	8.5	17.0	17.0	16.9	17.0	17.0	8.4	8.3	8.3	8.4	8.3	8.3	8.3	8.4
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	17.2	17.1	17.1	17.0	17.0	17.1	17.2	8.6	16.9	17.1	17.0	17.2	17.0	8.8	8.7	8.6	8.5	8.8	8.8	8.7	8.6
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	17.2	17.1	17.0	17.0	17.2	17.1	17.2	7.7	17.0	17.1	17.2	17.0	17.1	7.6	7.7	7.6	7.6	7.7	7.7	7.7	7.7
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	16.9	17.0	17.0	16.9	17.0	16.9	16.9	7.3	17.1	16.8	16.8	17.0	17.0	7.4	7.2	7.4	7.4	7.4	7.4	7.2	7.3
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	14.9	15.0	14.9	15.0	15.0	14.9	15.0	8.3	14.9	15.1	14.9	14.9	15.1	8.1	8.4	8.2	8.2	8.3	8.3	8.4	8.1
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	15.0	15.0	15.1	14.9	15.1	14.9	15.1	8.5	15.1	15.1	15.0	15.0	15.2	8.5	8.5	8.3	8.4	8.3	8.3	8.4	8.3
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	14.8	15.0	14.9	14.9	14.9	14.9	14.9	7.6	14.8	14.9	14.7	14.8	14.9	7.8	7.8	7.7	7.6	7.7	7.6	7.8	7.6
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	15.2	15.1	15.3	15.1	15.2	15.2	15.2	7.5	15.1	15.2	15.3	15.3	15.3	7.7	7.7	7.7	7.6	7.6	7.8	7.7	7.7
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	8.9	9.0	8.9	9.1	8.8	9.0	9.1	6.9	9.0	8.9	8.9	9.0	8.9	6.7	6.7	6.9	6.7	6.8	6.8	6.9	6.8
Bluetooth BDR 1Mbps SISO2	17.6	17.6	17.6	17.5	17.4	17.6	17.4	8.9	17.6	17.4	17.4	17.5	17.5	9.2	9.0	9.0	9.1	8.9	9.1	9.0	8.9

KDB 616217 D04 6.2.f													
distance [mm]	8 mm	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm	16 mm	17 mm	18 mm	21 mm	24 mm
WiFi2.4GHz 802.11b 1Mbps SISO2	11.3	11.4	11.5	11.5	11.5	11.4	18.1	17.9	17.8	17.9	17.9	17.9	17.9
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	8.3	8.3	8.4	8.4	8.3	8.3	17.0	16.9	17.1	17.1	17.0	16.9	17.1
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	8.6	8.7	8.8	8.8	8.6	8.6	17.0	17.2	17.1	16.9	17.2	17.2	17.0
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	7.8	7.6	7.7	7.6	7.8	7.6	17.0	17.1	17.1	16.9	17.0	17.1	17.0
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	7.3	7.4	7.2	7.4	7.3	7.3	17.0	17.0	16.9	17.0	16.9	16.9	17.0
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	8.3	8.2	8.2	8.2	8.1	8.4	15.1	15.0	14.9	15.1	14.9	14.9	15.1
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	8.4	8.3	8.4	8.4	8.5	8.2	15.0	15.1	15.0	14.9	15.0	14.9	15.0
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	7.8	7.8	7.6	7.8	7.7	7.8	14.9	14.9	14.7	14.7	14.8	14.9	14.8
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	7.7	7.5	7.5	7.7	7.5	7.6	15.3	15.3	15.1	15.3	15.3	15.3	15.3
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	6.7	6.6	6.7	6.8	6.8	6.9	8.9	9.0	9.1	8.9	8.9	8.8	8.9
Bluetooth BDR 1Mbps SISO2	8.9	9.0	9.1	9.1	9.0	8.9	17.4	17.6	17.6	17.4	17.4	17.4	17.7

Sensor Triggering distance verification per KDB 616217 D04 Sec.6.4 – Tested @12mm

KDB 616217 D04 6.4										
tilt angle [°]	-45	-35	-25	-15	-5	5	15	25	35	45
WiFi2.4GHz 802.11b 1Mbps SISO2	11.4	11.3	11.3	11.4	11.3	11.4	11.4	11.2	11.2	11.3
WiFi5GHz 802.11a 6Mbps UNII 2A SISO2	8.4	8.2	8.4	8.3	8.4	8.3	8.4	8.3	8.3	8.3
WiFi5GHz 802.11a 6Mbps UNII 2C SISO2	8.6	8.6	8.7	8.7	8.6	8.8	8.6	8.6	8.6	8.7
WiFi5GHz 802.11a 6Mbps UNII 3 SISO2	7.5	7.7	7.5	7.7	7.6	7.5	7.7	7.6	7.5	7.7
WiFi5GHz 802.11a 6Mbps UNII 4 SISO2	7.4	7.4	7.4	7.4	7.3	7.2	7.4	7.3	7.2	7.4
WiFi5GHz 802.11ac VHT80 UNII 2A SISO2	8.1	8.3	8.4	8.4	8.3	8.3	8.1	8.3	8.1	8.3
WiFi5GHz 802.11ac VHT80 UNII 2C SISO2	8.3	8.3	8.4	8.5	8.5	8.5	8.4	8.3	8.4	8.4
WiFi5GHz 802.11ac VHT80 UNII 3 SISO2	7.8	7.8	7.6	7.8	7.8	7.8	7.7	7.8	7.5	7.8
WiFi5GHz 802.11ac VHT80 UNII 4 SISO2	7.7	7.7	7.5	7.6	7.5	7.7	7.6	7.6	7.5	7.7
WiFi 6GHz 802.11be EHT320 UNII5/6/7/8 SISO2	5.9	6.1	5.9	6.1	6.1	6.1	6.0	6.1	6.1	5.9
Bluetooth BDR 1Mbps SISO2	8.9	8.9	9.1	9.0	8.9	9.0	8.9	9.0	8.9	8.9

Sensor Coverage per KDB 616217 D04 Sec.6.3

The antenna and sensor are both co-located with the psSAR cube at each evaluated surface. Therefore, sensor coverage evaluation is not required.

SAR test Separation Distance per KDB 616217 D04 Sec.6.2.(k)

Grip Sensor	Position	Sensor Triggering Distance	Tilt Angle	Sensor Coverage	SAR test Separation Distance
Grip #1	Back	15 mm	N/A	N/A	14 mm
	Top	20 mm	20 mm	N/A	19 mm
	Left	10 mm	10 mm	N/A	9 mm
Grip #3	Back	15 mm	N/A	N/A	14 mm
	Top	20 mm	20 mm	N/A	19 mm
	Right	12 mm	12 mm	N/A	11 mm

-END-