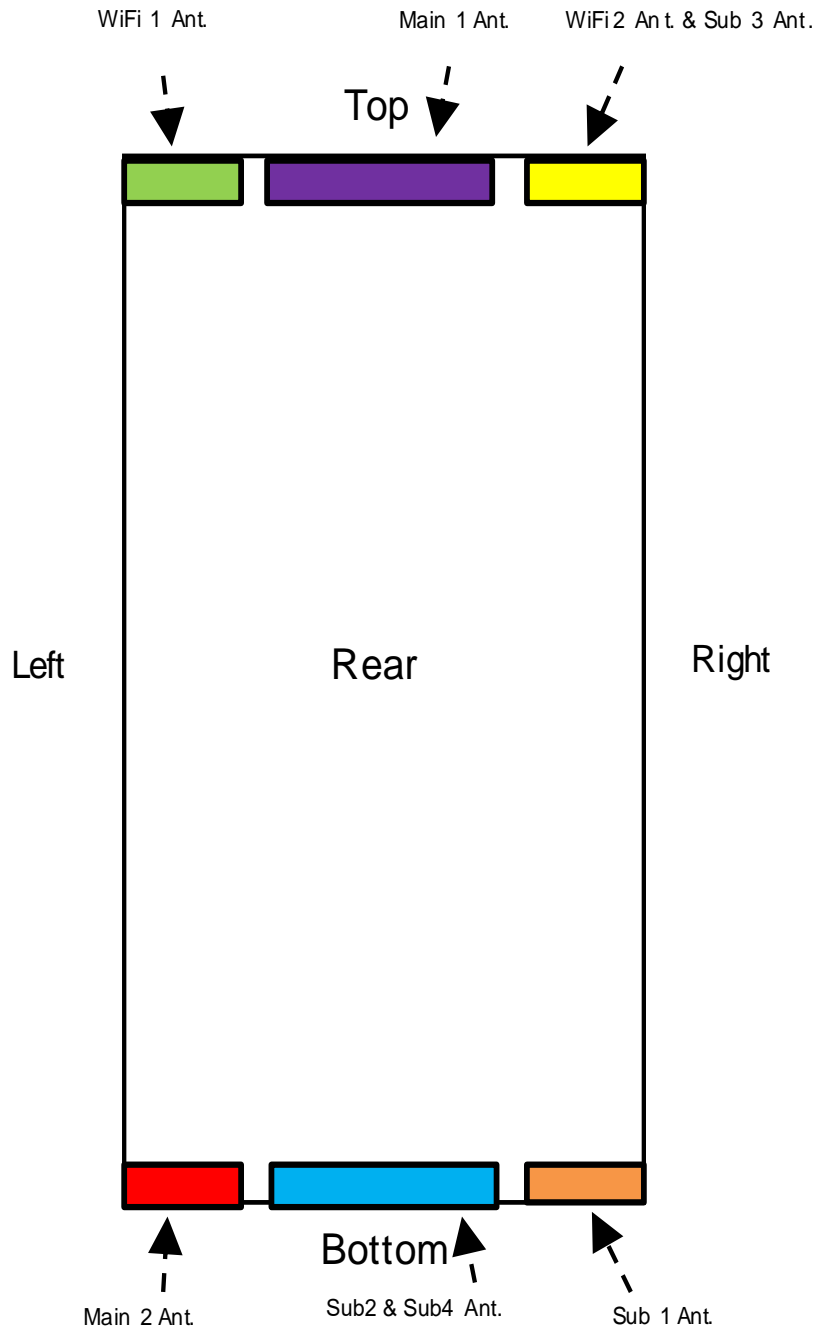


pendix G. Proximity sensor feature

The DUT has six proximity sensors to reduce the output power. The position of the sensors and antenna are as shown in the graphic.

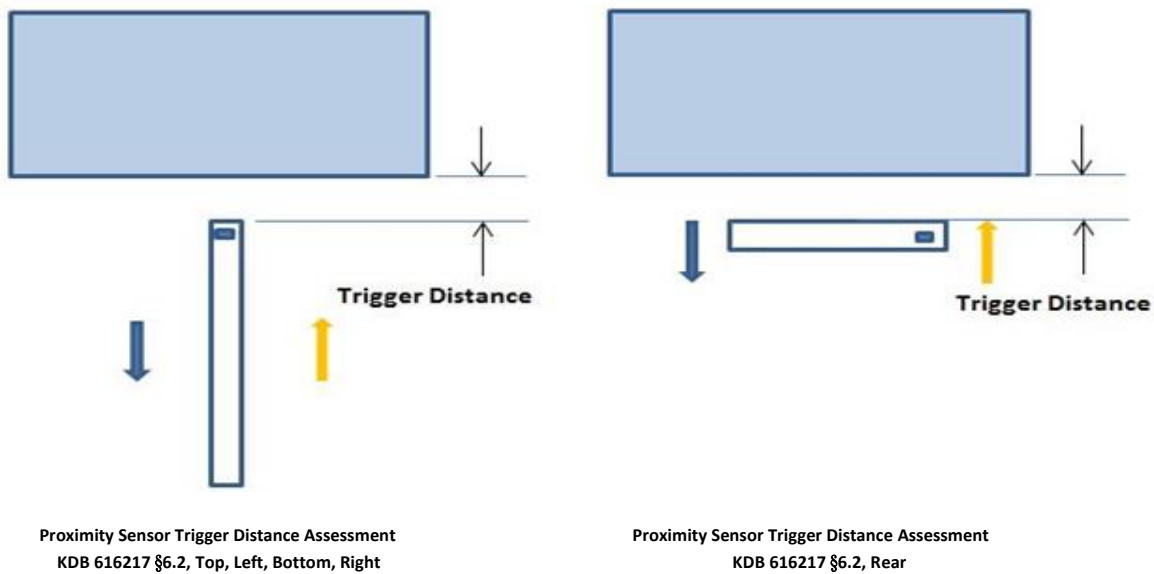


G.1 Proximity Sensor Triggering Distance (KDB 616217 §6.2)

Rear, Top, Left, Bottom, Right of the DUT was placed directly below the flat phantom. The DUT was moved toward the phantom in accordance with the steps outlined in KDB 616217 §6.2 to determine the trigger distance for enabling power reduction. The DUT was moved away from the phantom to determine the trigger distance for resuming full power.

The DUT featured a visual indicator on its display that showed the status of the proximity sensor (Triggered or not triggered). This was used to determine the status of the sensor during the proximity sensor assessment as monitoring the output power directly was not practical without affecting the measurement.

It was confirmed separately that the output power was altered according to the proximity sensor status indication. This was achieved by observing the proximity sensor status at the same time as monitoring the conducted power. Section 9 contains both the full and reduced conducted power measurements.



LEGEND

- ➔ Direction of DUT travel for determination of power reduction triggering point
- ➔ Direction of DUT travel for determination of full power resumption triggering point

Summary of Trigger Distances

Antenna	Trigger distance - Rear		Trigger distance – Top		Trigger distance – Left		Trigger distance – Bottom		Trigger distance – Right	
	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving toward phantom	Moving from phantom	Moving from phantom	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom
WiFi 1 Ant.	20 mm	20 mm	23 mm	23 mm	20 mm	20 mm	X	X	X	X
Main 1 Ant.	20 mm	20 mm	23 mm	23 mm	20 mm	20 mm	X	X	20 mm	20 mm
WiFi 2 & Sub 3 Ant.	20 mm	20 mm	23 mm	23 mm	X	X	X	X	23 mm	23 mm
Main 2 Ant.	20 mm	20 mm	X	X	20 mm	20 mm	20 mm	20 mm	X	X
Sub 2 & Sub 4 Ant.	20 mm	20 mm	X	X	20 mm	20 mm	20 mm	20 mm	20 mm	20 mm
Sub 1 Ant.	20 mm	20 mm	X	X	X	X	20 mm	20 mm	20 mm	20 mm

Proximity Sensor Triggering Distance Measurement Results

WiFi 1 Ant.

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
2.4GHz WLAN 11b	19.06	19.03	18.90	19.07	18.97	11.02	10.91	11.10	11.02	10.91
2.4GHz WLAN 11g	17.04	17.01	17.05	16.91	17.00	11.08	10.98	10.91	10.96	10.90
2.4GHz WLAN 11n	16.00	15.95	16.05	15.93	16.01	10.98	10.93	10.96	11.08	10.98
2.4GHz WLAN 11ax	14.92	14.95	14.94	15.08	14.91	10.96	11.00	11.01	11.02	11.00
2.4GHz WLAN 11ax 6ch	13.92	14.06	13.95	13.95	14.02	11.01	11.01	11.05	10.94	11.05
5GHz WLAN(20MHz BW) 11a 36-64ch	14.06	13.96	13.99	13.91	14.10	5.54	5.42	5.43	5.51	5.57
5GHz WLAN(20MHz BW) 11a 100-165ch	16.01	15.91	15.96	15.93	16.06	7.41	7.58	7.44	7.53	7.44
5GHz WLAN(20MHz BW) 11a 140ch	15.99	16.01	16.00	15.92	16.03	8.94	8.98	9.04	8.93	9.00
5GHz WLAN(20MHz BW) 11a 157ch	16.07	16.01	16.00	16.06	16.01	8.56	8.44	8.56	8.57	8.58
5GHz WLAN(20MHz BW) 11n/ac/ax 36-64ch	13.04	13.09	12.99	12.97	12.97	5.55	5.53	5.53	5.48	5.60
5GHz WLAN(20MHz BW) 11n/ac/ax 100-165ch	15.06	15.07	15.09	14.94	14.96	7.58	7.44	7.48	7.46	7.46
5GHz WLAN(20MHz BW) 11n/ac/ax 140ch	15.02	14.94	15.10	14.99	15.00	8.90	8.96	9.06	9.09	8.93
5GHz WLAN(20MHz BW) 11n/ac/ax 157ch	15.02	15.09	14.94	15.05	15.00	8.45	8.50	8.41	8.49	8.46
5GHz WLAN(40MHz BW) 11n/ac/ax 36-64ch	11.08	10.95	11.04	11.00	10.98	5.55	5.42	5.41	5.46	5.42
5GHz WLAN(40MHz BW) 11n/ac/ax 100-165ch	13.03	12.94	13.00	12.92	13.03	7.55	7.42	7.46	7.52	7.48
5GHz WLAN(80MHz BW) 11ac/ax 36-64ch	6.93	6.90	7.01	7.01	6.98	5.49	5.41	5.43	5.47	5.40
5GHz WLAN(80MHz BW) 11ac/ax 100-165ch	12.02	11.99	12.03	12.01	12.02	7.55	7.58	7.44	7.58	7.59
Bluetooth BDR	14.07	13.94	13.97	14.01	14.10	9.03	9.06	9.08	9.02	9.01
Bluetooth LE	12.91	13.01	13.06	12.97	12.92	8.93	9.07	9.01	9.09	8.93

Top, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	28	27	26	25	24	23	22	21	20	19
2.4GHz WLAN 11b	19.05	19.03	18.95	18.93	18.95	10.92	11.05	10.90	11.10	10.95
2.4GHz WLAN 11g	17.09	17.10	17.09	16.92	16.96	11.08	11.09	11.04	11.09	11.03
2.4GHz WLAN 11n	15.94	16.08	16.04	16.04	15.99	11.06	10.90	11.06	11.06	11.03
2.4GHz WLAN 11ax	14.94	14.92	15.08	15.05	15.03	10.96	10.94	10.90	10.92	10.98
2.4GHz WLAN 11ax 6ch	14.03	14.05	14.06	14.04	13.99	10.95	11.05	11.08	11.10	10.94
5GHz WLAN(20MHz BW) 11a 36-64ch	14.09	14.08	13.94	14.08	14.05	5.43	5.45	5.47	5.48	5.57
5GHz WLAN(20MHz BW) 11a 100-165ch	15.92	15.98	16.08	15.94	16.02	7.58	7.42	7.47	7.44	7.48
5GHz WLAN(20MHz BW) 11a 140ch	16.00	15.98	15.92	15.98	15.97	8.94	8.95	8.96	9.10	8.94
5GHz WLAN(20MHz BW) 11a 157ch	16.04	16.00	15.90	15.92	16.02	8.55	8.57	8.42	8.57	8.50
5GHz WLAN(20MHz BW) 11n/ac/ax 36-64ch	13.07	13.02	12.99	13.02	13.01	5.49	5.50	5.44	5.40	5.49
5GHz WLAN(20MHz BW) 11n/ac/ax 100-165ch	14.99	14.97	14.93	14.99	15.01	7.46	7.58	7.56	7.43	7.40
5GHz WLAN(20MHz BW) 11n/ac/ax 140ch	14.99	15.03	15.05	15.08	15.02	8.94	9.02	8.95	8.92	9.00
5GHz WLAN(20MHz BW) 11n/ac/ax 157ch	14.95	14.94	15.03	15.04	15.08	8.58	8.40	8.51	8.56	8.50
5GHz WLAN(40MHz BW) 11n/ac/ax 36-64ch	10.90	11.06	11.09	11.06	10.94	5.46	5.59	5.59	5.58	5.49
5GHz WLAN(40MHz BW) 11n/ac/ax 100-165ch	13.06	12.98	13.08	13.07	13.03	7.46	7.45	7.53	7.44	7.51
5GHz WLAN(80MHz BW) 11ac/ax 36-64ch	6.92	6.94	7.01	6.98	7.05	5.49	5.56	5.48	5.46	5.59
5GHz WLAN(80MHz BW) 11ac/ax 100-165ch	11.95	11.95	12.08	11.99	11.93	7.44	7.56	7.43	7.56	7.54
Bluetooth BDR	13.90	13.98	13.91	14.06	13.92	8.94	8.99	8.93	8.92	8.98
Bluetooth LE	12.90	13.09	13.05	12.96	12.94	9.04	9.08	8.98	9.02	8.99

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
2.4GHz WLAN 11b	18.98	19.05	18.98	18.92	18.96	10.91	11.05	11.01	10.91	10.95
2.4GHz WLAN 11g	17.03	16.97	16.95	16.96	17.05	10.90	11.08	10.93	10.97	11.02
2.4GHz WLAN 11n	15.99	15.94	16.04	16.02	16.06	11.10	10.96	11.06	10.92	10.90
2.4GHz WLAN 11ax	15.02	15.04	15.00	14.95	15.05	10.91	10.92	10.96	11.10	10.96
2.4GHz WLAN 11ax 6ch	13.92	14.06	14.04	13.93	13.94	11.03	11.10	11.07	11.06	10.98
5GHz WLAN(20MHz BW) 11a 36-64ch	13.91	13.98	14.00	13.94	14.09	5.51	5.59	5.49	5.41	5.59
5GHz WLAN(20MHz BW) 11a 100-165ch	15.90	16.09	16.01	16.02	16.08	7.47	7.43	7.55	7.43	7.48
5GHz WLAN(20MHz BW) 11a 140ch	15.96	15.93	15.90	16.08	16.01	8.92	9.08	8.92	9.04	8.96
5GHz WLAN(20MHz BW) 11a 157ch	15.90	15.91	15.99	16.04	16.01	8.53	8.56	8.44	8.45	8.48
5GHz WLAN(20MHz BW) 11n/ac/ax 36-64ch	13.05	13.04	12.90	13.10	13.09	5.60	5.57	5.47	5.57	5.40
5GHz WLAN(20MHz BW) 11n/ac/ax 100-165ch	14.92	15.10	14.99	15.03	14.97	7.50	7.57	7.53	7.60	7.41
5GHz WLAN(20MHz BW) 11n/ac/ax 140ch	15.10	15.06	15.04	15.00	15.00	8.93	8.93	9.01	9.00	8.93
5GHz WLAN(20MHz BW) 11n/ac/ax 157ch	15.05	15.04	14.92	14.95	14.91	8.58	8.53	8.40	8.50	8.42
5GHz WLAN(40MHz BW) 11n/ac/ax 36-64ch	10.95	11.02	11.00	11.10	10.96	5.56	5.50	5.42	5.46	5.55
5GHz WLAN(40MHz BW) 11n/ac/ax 100-165ch	13.02	13.05	13.04	13.08	12.92	7.43	7.53	7.57	7.47	7.49
5GHz WLAN(80MHz BW) 11ac/ax 36-64ch	6.99	7.09	6.92	7.00	7.08	5.54	5.48	5.57	5.40	5.60
5GHz WLAN(80MHz BW) 11ac/ax 100-165ch	11.92	12.10	12.03	12.05	11.92	7.45	7.42	7.56	7.49	7.58
Bluetooth BDR	14.06	14.08	14.06	13.92	13.92	8.99	9.08	8.90	8.92	9.07
Bluetooth LE	12.92	13.03	13.00	12.97	12.94	8.93	8.96	8.98	8.94	8.93

Main 1 Ant.

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
WCDMA2	23.43	23.56	23.43	23.58	23.55	13.42	13.42	13.48	13.47	13.43
WCDMA4	24.03	23.93	24.04	23.96	24.06	12.44	12.60	12.45	12.59	12.42
WCDMA5	23.40	23.49	23.54	23.50	23.59	16.55	16.41	16.57	16.45	16.51
LTE B2	24.00	24.01	24.00	23.94	23.99	12.46	12.40	12.48	12.53	12.45
LTE B4	23.50	23.40	23.55	23.54	23.54	12.10	11.96	12.03	12.07	12.05
LTE B5	23.92	23.94	24.01	24.10	24.03	14.04	13.90	13.97	14.06	13.97
LTE B7	24.03	24.01	24.06	24.05	24.09	12.05	11.94	11.97	11.97	11.96
LTE B12	24.01	24.08	24.03	24.04	24.03	15.42	15.57	15.57	15.48	15.44
LTE B13	24.08	23.97	24.06	24.10	24.08	15.44	15.58	15.44	15.40	15.57
LTE B14	24.09	23.90	24.02	23.90	24.05	15.41	15.45	15.51	15.55	15.41
LTE B25	24.04	24.09	24.04	24.02	23.95	12.41	12.46	12.45	12.47	12.59
LTE B26	24.04	24.06	23.90	23.94	23.97	14.01	14.08	13.90	14.07	13.94
LTE B30	21.92	22.00	22.04	21.94	21.97	12.50	12.45	12.48	12.50	12.46
LTE B41 (PC3)	23.96	24.04	23.96	23.96	24.04	13.93	13.96	14.08	14.04	14.00
LTE B41 (PC2)	26.04	26.07	26.05	26.08	26.01	13.91	14.00	14.09	14.05	13.92
LTE B66	23.51	23.55	23.43	23.51	23.46	11.93	11.95	12.02	11.97	12.05
LTE B71	23.91	24.04	24.05	23.90	24.02	19.00	18.98	19.06	19.04	18.92
NR n2	23.96	24.05	23.90	23.94	24.02	12.54	12.48	12.41	12.56	12.49
NR n5	23.94	24.07	24.03	23.94	24.03	13.90	13.91	14.06	13.99	14.08
NR n12	24.02	23.92	24.07	24.07	24.07	15.49	15.52	15.52	15.50	15.52
NR n25	24.04	23.99	24.05	24.04	24.08	12.59	12.40	12.55	12.40	12.50
NR n30	22.46	22.59	22.53	22.41	22.49	12.46	12.45	12.47	12.56	12.43
NR n41 (PC3)	17.94	17.91	17.98	18.09	18.00	12.97	12.96	12.97	12.99	13.01
NR n41 (PC3) SRS #0	17.94	18.00	18.04	18.07	18.08	13.02	13.09	12.95	13.10	13.03
NR n41 (PC2)	20.48	20.55	20.52	20.50	20.41	12.99	13.07	12.95	13.06	13.09
NR n41 (PC2) SRS #0	20.42	20.44	20.60	20.51	20.42	13.07	12.93	12.92	13.08	13.07
NR n66	24.09	23.98	24.05	24.10	24.00	11.99	12.02	12.09	11.92	12.09
NR n71	24.03	23.95	23.91	24.10	24.06	18.90	18.90	19.10	19.08	19.02

Top, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	28	27	26	25	24	23	22	21	20	19
WCDMA2	23.56	23.48	23.47	23.60	23.52	13.45	13.57	13.40	13.47	13.49
WCDMA4	24.04	23.95	24.10	23.92	23.93	12.44	12.49	12.46	12.54	12.58
WCDMA5	23.53	23.58	23.60	23.46	23.56	16.48	16.45	16.59	16.43	16.54
LTE B2	24.04	24.10	23.92	24.03	23.96	12.40	12.49	12.51	12.48	12.52
LTE B4	23.48	23.54	23.53	23.48	23.46	12.06	11.92	12.01	11.93	11.90
LTE B5	23.96	23.95	23.93	24.03	24.06	14.04	13.98	13.92	13.90	13.94
LTE B7	24.02	23.99	24.10	24.07	23.90	11.98	11.94	11.94	11.92	11.96
LTE B12	24.07	24.08	23.95	24.00	23.97	15.58	15.46	15.51	15.56	15.58
LTE B13	24.01	24.05	24.10	23.96	24.09	15.50	15.55	15.56	15.44	15.59
LTE B14	23.91	23.90	24.00	23.93	23.98	15.50	15.48	15.50	15.52	15.46
LTE B25	23.97	23.98	23.93	24.07	23.90	12.41	12.47	12.54	12.53	12.44
LTE B26	24.06	23.94	23.99	24.03	24.04	13.95	13.97	13.94	13.93	14.05
LTE B30	21.90	22.08	22.10	22.04	22.05	12.48	12.55	12.41	12.58	12.41
LTE B41 (PC3)	24.02	23.99	24.10	23.92	24.10	14.09	13.98	14.02	13.95	14.05
LTE B41 (PC2)	25.95	25.93	26.02	26.07	25.97	14.06	14.06	13.93	13.95	13.90
LTE B66	23.50	23.58	23.44	23.40	23.56	12.05	11.98	12.10	11.94	12.04
LTE B71	24.00	23.95	24.09	24.03	24.00	19.03	19.01	19.08	18.98	19.07
NR n2	24.01	23.98	24.01	24.05	23.99	12.42	12.41	12.41	12.49	12.45
NR n5	23.93	24.07	24.01	23.92	23.93	14.06	14.09	14.09	14.06	14.08
NR n12	24.06	24.02	24.04	23.92	24.02	15.44	15.51	15.55	15.46	15.56
NR n25	23.97	24.07	24.09	24.03	24.05	12.48	12.48	12.58	12.47	12.40
NR n30	22.49	22.43	22.57	22.59	22.41	12.40	12.41	12.59	12.53	12.48
NR n41 (PC3)	18.04	18.06	18.01	17.94	18.06	13.02	12.98	13.02	12.99	13.10
NR n41 (PC3) SRS #0	17.94	17.91	18.10	18.04	18.10	12.90	12.98	12.98	12.94	12.93
NR n41 (PC2)	20.44	20.54	20.42	20.49	20.54	12.98	13.03	12.96	12.99	13.06
NR n41 (PC2) SRS #0	20.59	20.60	20.53	20.48	20.48	12.93	12.91	13.03	13.08	12.97
NR n66	23.94	24.01	24.05	23.94	23.92	11.95	12.05	12.08	12.09	11.95
NR n71	24.07	24.02	24.08	24.02	24.04	19.03	19.08	18.97	19.10	18.94

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
WCDMA2	23.54	23.42	23.44	23.60	23.43	13.40	13.48	13.46	13.44	13.44
WCDMA4	24.07	23.99	24.04	24.04	23.93	12.41	12.54	12.55	12.52	12.58
WCDMA5	23.51	23.59	23.54	23.44	23.43	16.51	16.48	16.52	16.44	16.50
LTE B2	24.09	24.01	23.97	23.95	23.91	12.51	12.60	12.59	12.55	12.59
LTE B4	23.41	23.49	23.41	23.45	23.47	11.96	12.02	11.90	11.91	12.03
LTE B5	24.08	24.05	23.90	24.04	24.02	14.06	13.99	13.96	13.95	13.90
LTE B7	24.07	23.90	24.10	24.06	23.99	11.92	12.04	12.10	11.97	11.91
LTE B12	23.97	23.93	24.02	23.93	24.08	15.42	15.40	15.51	15.47	15.54
LTE B13	23.95	23.91	24.00	24.06	24.01	15.55	15.49	15.42	15.48	15.53
LTE B14	24.10	24.02	24.09	23.99	23.97	15.57	15.52	15.49	15.57	15.41
LTE B25	24.04	24.05	24.01	23.98	24.02	12.45	12.47	12.49	12.47	12.55
LTE B26	23.98	23.91	23.91	23.98	24.04	14.05	13.90	13.94	14.09	14.10
LTE B30	21.96	22.04	21.97	21.90	22.02	12.60	12.50	12.41	12.53	12.47
LTE B41 (PC3)	24.06	23.93	23.91	24.04	24.03	14.04	14.08	13.93	13.96	13.99
LTE B41 (PC2)	25.90	25.97	25.90	26.06	26.09	14.08	13.95	14.07	14.06	13.95
LTE B66	23.55	23.44	23.53	23.54	23.57	11.92	12.00	12.08	12.08	11.91
LTE B71	24.10	23.92	24.08	23.99	23.91	18.92	19.08	18.96	19.06	19.03
NR n2	23.95	23.95	24.07	24.00	23.99	12.47	12.47	12.58	12.47	12.55
NR n5	23.97	24.02	23.98	23.91	24.04	13.93	13.91	13.98	13.95	14.01
NR n12	23.96	24.03	23.92	23.96	24.00	15.55	15.42	15.60	15.52	15.43
NR n25	23.97	24.07	23.97	24.08	23.95	12.53	12.53	12.55	12.40	12.43
NR n30	22.41	22.59	22.47	22.42	22.42	12.51	12.54	12.43	12.45	12.45
NR n41 (PC3)	18.03	18.03	17.91	18.05	17.97	12.94	13.01	13.09	13.07	12.91
NR n41 (PC3) SRS #0	18.03	18.03	17.90	17.93	18.08	12.97	13.06	13.06	13.00	13.05
NR n41 (PC2)	20.40	20.54	20.44	20.48	20.49	12.92	12.99	13.05	13.04	13.05
NR n41 (PC2) SRS #0	20.59	20.44	20.59	20.53	20.45	13.05	13.03	12.98	13.08	13.09
NR n66	23.91	23.91	23.90	24.05	24.00	12.04	11.90	12.02	11.93	11.97
NR n71	24.04	24.03	23.97	23.93	23.92	19.03	19.10	18.96	18.91	18.97

Right, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
WCDMA2	23.54	23.50	23.46	23.51	23.60	13.40	13.53	13.46	13.53	13.51
WCDMA4	23.92	23.91	23.97	24.10	23.92	12.59	12.44	12.59	12.47	12.46
WCDMA5	23.44	23.52	23.56	23.46	23.52	16.41	16.49	16.50	16.50	16.52
LTE B2	24.07	23.90	23.93	23.97	23.90	12.43	12.58	12.55	12.43	12.45
LTE B4	23.60	23.53	23.56	23.51	23.46	11.95	11.96	12.03	11.93	12.08
LTE B5	23.97	24.01	23.91	23.96	23.95	14.07	13.95	13.99	14.08	14.03
LTE B7	24.08	24.04	23.91	24.10	24.00	12.06	12.04	11.95	11.95	11.92
LTE B12	24.10	24.00	24.01	23.94	23.95	15.44	15.49	15.54	15.47	15.46
LTE B13	24.06	24.10	24.08	23.96	23.94	15.42	15.54	15.59	15.46	15.56
LTE B14	24.03	24.10	24.01	24.06	23.96	15.43	15.41	15.43	15.48	15.46
LTE B25	23.95	24.06	23.90	23.92	24.03	12.45	12.56	12.48	12.50	12.51
LTE B26	23.93	23.90	24.03	24.01	23.92	13.98	13.91	14.10	13.98	14.10
LTE B30	21.96	21.96	22.02	22.07	22.04	12.46	12.49	12.55	12.45	12.47
LTE B41 (PC3)	24.09	24.05	23.99	24.08	24.04	14.08	14.08	13.95	14.05	14.04
LTE B41 (PC2)	26.09	25.97	25.94	26.10	25.92	14.06	13.94	13.91	13.98	13.91
LTE B66	23.59	23.46	23.44	23.51	23.45	11.95	12.04	12.10	11.96	11.98
LTE B71	24.05	23.92	23.92	23.99	23.91	19.08	19.05	19.00	19.09	18.93
NR n2	24.06	23.91	23.95	24.07	23.94	12.41	12.58	12.49	12.58	12.43
NR n5	24.10	24.08	24.01	24.01	23.93	14.06	14.06	14.06	13.93	13.97
NR n12	24.06	23.96	24.00	23.96	23.99	15.60	15.53	15.40	15.60	15.47
NR n25	24.06	23.97	24.07	24.03	23.90	12.43	12.54	12.52	12.58	12.59
NR n30	22.49	22.60	22.52	22.42	22.54	12.51	12.40	12.41	12.42	12.56
NR n41 (PC3)	18.09	18.00	17.99	17.90	17.95	12.95	13.02	13.02	12.99	12.94
NR n41 (PC3) SRS #0	17.97	18.01	17.93	17.92	18.08	13.00	13.06	13.01	12.93	13.03
NR n41 (PC2)	20.58	20.56	20.43	20.44	20.47	12.93	12.98	13.00	12.93	12.98
NR n41 (PC2) SRS #0	20.53	20.47	20.43	20.55	20.45	12.94	12.96	13.06	12.90	13.03
NR n66	24.07	23.99	24.02	23.94	23.93	12.02	11.93	11.91	12.08	11.95
NR n71	23.94	23.98	23.94	24.04	24.06	18.94	19.05	19.03	19.09	18.94

WiFi 2/ Sub 3 Ant.

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
2.4GHz WLAN 11b	19.03	18.92	18.95	18.93	19.07	11.00	10.93	10.93	10.99	10.94
2.4GHz WLAN 11g	16.94	16.98	17.10	16.90	16.95	11.03	10.99	11.03	11.02	11.02
2.4GHz WLAN 11n	15.93	16.00	16.08	16.00	16.01	11.00	11.03	10.91	10.98	11.10
2.4GHz WLAN 11ax	14.90	15.07	15.05	14.92	15.06	10.95	10.94	11.05	10.95	10.94
2.4GHz WLAN 11ax 6ch	13.90	14.09	13.96	14.07	13.90	10.92	11.00	10.94	11.03	10.95
5GHz WLAN(20MHz BW) 11a 36-64ch	14.03	13.98	14.08	14.06	14.09	5.41	5.51	5.57	5.48	5.53
5GHz WLAN(20MHz BW) 11a 100-165ch	15.96	15.93	15.94	16.07	16.05	7.49	7.49	7.54	7.42	7.40
5GHz WLAN(20MHz BW) 11a 140ch	15.97	15.93	15.96	15.93	15.97	9.06	8.95	9.00	9.06	9.09
5GHz WLAN(20MHz BW) 11a 157ch	15.95	16.02	16.07	15.95	15.99	8.50	8.50	8.53	8.40	8.60
5GHz WLAN(20MHz BW) 11n/ac/ax 36-64ch	12.95	12.93	12.99	13.02	13.03	5.52	5.59	5.50	5.45	5.54
5GHz WLAN(20MHz BW) 11n/ac/ax 100-165ch	14.97	14.93	15.03	14.95	14.91	7.41	7.41	7.46	7.59	7.58
5GHz WLAN(20MHz BW) 11n/ac/ax 140ch	14.91	14.90	15.02	14.98	14.98	8.93	9.07	8.99	8.95	8.99
5GHz WLAN(20MHz BW) 11n/ac/ax 157ch	15.01	15.09	15.04	14.90	15.02	8.57	8.40	8.47	8.60	8.53
5GHz WLAN(40MHz BW) 11n/ac/ax 36-64ch	10.91	10.98	11.09	11.09	10.94	5.55	5.59	5.58	5.43	5.44
5GHz WLAN(40MHz BW) 11n/ac/ax 100-165ch	13.05	13.02	13.03	13.02	13.06	7.42	7.42	7.47	7.43	7.57
5GHz WLAN(80MHz BW) 11ac/ax 36-64ch	7.05	7.04	7.02	7.00	6.97	5.48	5.46	5.54	5.40	5.56
5GHz WLAN(80MHz BW) 11ac/ax 100-165ch	12.04	11.99	12.02	11.93	11.96	7.58	7.53	7.43	7.60	7.59
NR n77 (PC3) SRS #3	16.52	16.44	16.46	16.51	16.58	7.10	7.08	7.04	6.96	6.90
NR n77 (PC2) SRS #3	16.94	16.90	16.93	16.91	17.01	6.96	6.95	6.95	6.94	7.09
NR n78 SRS #3	19.48	19.46	19.43	19.49	19.50	7.01	7.05	6.95	7.03	7.04

Top, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	28	27	26	25	24	23	22	21	20	19
2.4GHz WLAN 11b	18.97	18.99	19.08	19.09	19.06	11.03	10.98	10.94	10.97	11.07
2.4GHz WLAN 11g	16.95	16.92	16.90	17.00	17.04	11.04	10.93	10.96	11.06	10.91
2.4GHz WLAN 11n	16.08	16.01	15.91	16.03	16.01	11.08	11.02	10.98	11.02	11.01
2.4GHz WLAN 11ax	15.08	14.92	15.04	14.93	14.93	11.01	11.07	11.06	11.01	10.90
2.4GHz WLAN 11ax 6ch	13.94	14.01	14.06	14.08	13.90	10.90	10.98	11.06	10.94	11.03
5GHz WLAN(20MHz BW) 11a 36-64ch	13.90	14.03	14.06	13.95	13.92	5.56	5.47	5.40	5.48	5.51
5GHz WLAN(20MHz BW) 11a 100-165ch	16.02	16.00	15.90	16.02	16.04	7.53	7.48	7.46	7.57	7.43
5GHz WLAN(20MHz BW) 11a 140ch	16.01	15.94	15.93	16.03	16.05	9.09	8.90	9.01	8.99	9.01
5GHz WLAN(20MHz BW) 11a 157ch	15.99	16.09	15.98	15.98	16.09	8.45	8.47	8.44	8.51	8.58
5GHz WLAN(20MHz BW) 11n/ac/ax 36-64ch	13.10	13.04	12.92	12.99	13.08	5.55	5.52	5.40	5.44	5.41
5GHz WLAN(20MHz BW) 11n/ac/ax 100-165ch	15.04	14.98	14.97	15.07	15.02	7.55	7.43	7.52	7.59	7.48
5GHz WLAN(20MHz BW) 11n/ac/ax 140ch	15.02	15.03	14.97	14.93	14.96	8.93	8.99	9.07	8.98	8.95
5GHz WLAN(20MHz BW) 11n/ac/ax 157ch	15.04	15.05	15.00	14.92	15.10	8.60	8.48	8.43	8.43	8.58
5GHz WLAN(40MHz BW) 11n/ac/ax 36-64ch	10.95	11.10	10.93	11.04	10.90	5.47	5.55	5.43	5.45	5.47
5GHz WLAN(40MHz BW) 11n/ac/ax 100-165ch	13.03	12.97	12.95	13.04	13.09	7.54	7.50	7.55	7.55	7.47
5GHz WLAN(80MHz BW) 11ac/ax 36-64ch	6.96	7.03	7.00	7.00	7.09	5.51	5.40	5.56	5.42	5.46
5GHz WLAN(80MHz BW) 11ac/ax 100-165ch	11.97	12.01	12.03	11.98	11.96	7.50	7.60	7.41	7.42	7.48
NR n77 (PC3) SRS #3	16.59	16.52	16.57	16.46	16.50	7.02	7.03	6.99	7.08	6.96
NR n77 (PC2) SRS #3	17.05	17.00	17.03	16.95	16.93	7.02	6.98	7.01	6.97	7.06
NR n78 SRS #3	19.59	19.45	19.52	19.49	19.58	6.96	7.03	7.09	6.99	6.92

Right, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
2.4GHz WLAN 11b	18.99	18.99	19.07	18.93	19.03	10.92	11.07	10.95	11.09	11.10
2.4GHz WLAN 11g	17.07	16.93	17.00	16.93	17.07	10.98	10.92	10.95	10.93	11.09
2.4GHz WLAN 11n	16.01	15.98	15.99	15.95	15.91	10.98	11.02	10.93	11.00	10.91
2.4GHz WLAN 11ax	15.06	14.95	15.08	15.02	15.03	11.00	10.96	11.07	11.10	10.93
2.4GHz WLAN 11ax 6ch	13.96	13.94	13.94	14.00	14.01	10.96	10.97	11.00	11.04	10.97
5GHz WLAN(20MHz BW) 11a 36-64ch	14.10	14.04	14.05	14.06	14.10	5.53	5.52	5.48	5.58	5.49
5GHz WLAN(20MHz BW) 11a 100-165ch	16.00	15.95	16.00	15.97	16.04	7.60	7.48	7.47	7.51	7.60
5GHz WLAN(20MHz BW) 11a 140ch	15.90	15.95	16.00	16.05	16.01	9.07	9.04	8.98	9.07	8.94
5GHz WLAN(20MHz BW) 11a 157ch	16.00	15.95	16.07	15.93	15.97	8.57	8.41	8.45	8.40	8.53
5GHz WLAN(20MHz BW) 11n/ac/ax 36-64ch	12.95	13.00	13.00	13.04	13.07	5.57	5.59	5.42	5.59	5.55
5GHz WLAN(20MHz BW) 11n/ac/ax 100-165ch	15.10	14.95	14.96	14.95	14.98	7.46	7.40	7.41	7.57	7.49
5GHz WLAN(20MHz BW) 11n/ac/ax 140ch	15.03	15.05	15.05	14.99	15.09	8.94	9.07	8.93	9.02	9.07
5GHz WLAN(20MHz BW) 11n/ac/ax 157ch	14.90	14.96	15.01	15.05	15.02	8.42	8.41	8.53	8.40	8.49
5GHz WLAN(40MHz BW) 11n/ac/ax 36-64ch	11.02	11.05	11.05	11.08	11.04	5.56	5.43	5.57	5.40	5.41
5GHz WLAN(40MHz BW) 11n/ac/ax 100-165ch	12.95	12.96	13.01	13.08	13.07	7.50	7.48	7.40	7.60	7.59
5GHz WLAN(80MHz BW) 11ac/ax 36-64ch	6.94	7.09	7.07	6.91	6.95	5.58	5.49	5.55	5.43	5.56
5GHz WLAN(80MHz BW) 11ac/ax 100-165ch	12.07	12.01	11.94	11.90	11.94	7.47	7.43	7.59	7.48	7.54
NR n77 (PC3) SRS #3	16.56	16.57	16.53	16.48	16.58	6.99	6.95	6.96	6.94	7.03
NR n77 (PC2) SRS #3	16.99	16.92	16.99	16.91	17.02	7.09	6.96	6.92	7.09	7.00
NR n78 SRS #3	19.48	19.45	19.44	19.48	19.48	7.10	7.05	7.01	6.99	7.07

Main 2 Ant.

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
NR n77 (PC3)	18.00	17.96	18.09	18.07	17.97	9.04	9.09	9.03	8.91	8.97
NR n77 (PC3) SRS #0	17.99	18.04	18.01	18.06	18.00	9.07	9.02	8.95	9.08	8.93
NR n77 (PC2)	20.92	20.90	21.09	21.08	21.10	9.00	8.98	9.09	8.95	8.95
NR n77 (PC2) SRS #0	20.90	20.98	20.97	20.99	20.98	8.94	9.09	8.94	9.08	9.08
NR n78	17.95	17.91	17.91	18.01	17.93	8.90	9.06	8.95	8.98	8.97
NR n78 SRS #0	18.07	17.99	18.10	18.09	17.92	8.98	8.93	9.04	8.97	9.05

Bottom, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
NR n77 (PC3)	17.98	17.96	17.98	17.94	18.06	9.04	9.09	9.10	9.03	8.94
NR n77 (PC3) SRS #0	18.02	17.90	18.07	18.06	17.94	8.96	8.98	9.06	9.05	9.02
NR n77 (PC2)	21.09	21.04	20.96	20.97	20.92	9.02	8.96	9.08	8.91	8.99
NR n77 (PC2) SRS #0	21.09	20.94	20.97	21.00	21.05	9.00	9.02	9.01	8.91	8.97
NR n78	18.10	18.07	18.06	18.03	17.93	9.04	9.05	8.98	8.90	9.07
NR n78 SRS #0	18.03	18.02	17.90	18.02	17.94	9.10	9.06	8.92	9.02	8.99

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
NR n77 (PC3)	17.91	18.01	17.92	17.96	18.06	8.91	8.99	8.91	9.05	8.91
NR n77 (PC3) SRS #0	17.92	17.96	18.08	17.90	18.08	8.97	9.07	9.01	9.03	8.95
NR n77 (PC2)	20.92	20.95	21.10	20.96	20.90	8.94	9.10	9.08	8.99	8.94
NR n77 (PC2) SRS #0	21.01	20.99	21.10	20.96	20.99	9.00	8.99	8.93	8.90	8.92
NR n78	18.03	18.08	17.96	17.95	18.08	9.06	8.95	8.97	8.98	9.09
NR n78 SRS #0	18.03	17.91	18.04	18.00	18.08	9.00	8.99	9.04	9.00	8.96

Sub 2 / Sub 4 Ant.

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
LTE B2	23.03	22.90	23.09	22.92	23.02	10.05	10.10	9.99	10.01	9.92
LTE B4	23.01	23.06	22.96	23.04	22.94	9.90	9.95	9.93	10.08	9.90
LTE B7	23.02	22.98	22.91	22.92	23.04	9.45	9.55	9.50	9.44	9.43
LTE B25	22.95	23.05	22.98	23.08	23.07	9.97	10.07	9.94	9.97	10.02
LTE B66	23.02	22.98	23.05	23.10	23.05	10.10	9.97	9.97	9.93	10.03
NR n41 (PC3) SRS #1	16.41	16.41	16.51	16.50	16.41	12.95	12.95	13.01	13.00	12.92
NR n41 (PC2) SRS #1	18.90	18.94	18.90	18.90	18.90	12.95	13.04	13.04	12.93	13.09
NR n41 (PC3) SRS #2	16.95	16.97	16.99	17.05	17.04	12.98	13.07	12.92	12.97	12.98
NR n41 (PC2) SRS #2	19.07	18.97	19.09	19.01	19.04	12.93	12.96	13.06	13.08	12.96
NR n77 (PC3) SRS #1	17.56	17.60	17.51	17.45	17.42	9.05	8.96	9.09	8.94	8.90
NR n77 (PC2) SRS #1	21.04	21.04	20.98	21.09	20.92	8.97	8.95	9.01	9.08	9.09
NR n77 (PC3) SRS #2	18.02	18.00	18.10	17.91	17.96	8.96	8.90	9.03	8.93	8.94
NR n77 (PC2) SRS #2	18.01	18.07	17.93	17.92	17.91	8.96	8.95	8.99	9.03	9.01
NR n78 SRS #1	17.04	16.96	17.06	16.96	17.10	8.94	8.95	9.01	9.06	9.05
NR n78 SRS #2	15.58	15.44	15.52	15.59	15.46	9.05	8.94	9.06	8.95	8.95

Bottom, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
LTE B2	22.93	22.93	22.98	22.97	22.90	9.91	10.02	9.94	9.95	10.08
LTE B4	23.00	23.04	22.96	23.10	22.97	10.02	10.05	10.02	10.08	10.01
LTE B7	23.07	22.95	22.93	22.95	22.91	9.56	9.54	9.46	9.52	9.54
LTE B25	22.95	23.05	23.03	22.98	22.93	10.05	10.08	9.93	10.01	10.10
LTE B66	22.95	23.01	23.09	22.92	23.08	10.01	9.96	9.90	9.93	9.94
NR n41 (PC3) SRS #1	16.40	16.48	16.52	16.40	16.41	12.94	12.91	12.90	13.05	12.99
NR n41 (PC2) SRS #1	18.94	19.09	19.07	18.97	19.07	13.03	13.10	12.96	13.04	13.08
NR n41 (PC3) SRS #2	17.01	17.10	16.90	17.00	16.92	13.09	12.96	13.06	13.02	13.07
NR n41 (PC2) SRS #2	18.91	18.98	18.98	18.92	19.03	13.05	13.09	12.96	12.96	12.90
NR n77 (PC3) SRS #1	17.53	17.54	17.49	17.49	17.42	8.93	8.91	9.05	9.09	8.91
NR n77 (PC2) SRS #1	21.10	21.10	21.08	20.90	21.02	9.10	9.04	9.04	8.99	8.95
NR n77 (PC3) SRS #2	17.92	18.09	17.91	18.00	18.09	8.93	8.99	8.99	8.92	8.98
NR n77 (PC2) SRS #2	18.09	17.94	17.96	17.98	17.93	9.02	9.00	8.97	9.05	8.94
NR n78 SRS #1	17.08	16.91	16.99	16.96	16.92	8.90	8.97	9.00	9.00	8.93
NR n78 SRS #2	15.53	15.43	15.50	15.40	15.52	9.00	9.06	9.02	8.95	9.10

Sub 1 Ant.

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
NR n41 (PC3) SRS #3	16.49	16.40	16.58	16.48	16.50	12.97	13.10	13.03	13.09	13.00
NR n41 (PC2) SRS #3	16.43	16.44	16.43	16.45	16.60	13.10	13.00	12.97	12.92	12.92

Bottom, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
NR n41 (PC3) SRS #3	16.41	16.46	16.52	16.50	16.49	12.91	13.09	13.09	13.05	12.97
NR n41 (PC2) SRS #3	16.46	16.46	16.47	16.59	16.55	12.95	13.10	13.04	12.97	13.01

Right, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

KDB 616217 6.2.6										
Measured Power [dBm]										
Distance[mm]	25	24	23	22	21	20	19	18	17	16
NR n41 (PC3) SRS #3	16.58	16.40	16.46	16.49	16.49	12.92	12.99	12.94	13.02	13.08
NR n41 (PC2) SRS #3	16.42	16.50	16.56	16.42	16.60	13.02	12.95	13.04	13.08	13.07

G.4 Resulting test positions for SAR measurements

Wireless technologies	Position	§6.2 Triggering Distance	§6.3 Coverage	§6.4 Tilt Angle	Worst case distance for SAR
Main 1 Ant.	Rear	20 mm	N/A	N/A	19 mm
	Top	23 mm	N/A	23 mm	22 mm
	Left	20 mm	N/A	20 mm	19 mm
	Right	20 mm	N/A	20 mm	19 mm
WiFi 1 Ant.	Rear	20 mm	N/A	N/A	19 mm
	Top	23 mm	N/A	23 mm	22 mm
	Left	20 mm	N/A	20 mm	19 mm
WiFi 2 & Sub 3 Ant.	Rear	20 mm	N/A	N/A	19 mm
	Top	23 mm	N/A	23 mm	22 mm
	Right	20 mm	N/A	20 mm	19 mm
Sub 2 & Sub 4 Ant.	Rear	20 mm	N/A	N/A	19 mm
	Bottom	20 mm	N/A	20 mm	19 mm
Main 2 Ant.	Rear	20 mm	N/A	N/A	19 mm
	Bottom	20 mm	N/A	20 mm	19 mm
	Left	20 mm	N/A	20 mm	19 mm
Sub 1 Ant.	Rear	20 mm	N/A	N/A	19 mm
	Bottom	20 mm	N/A	20 mm	19 mm
	Right	20 mm	N/A	20 mm	19 mm

-End-