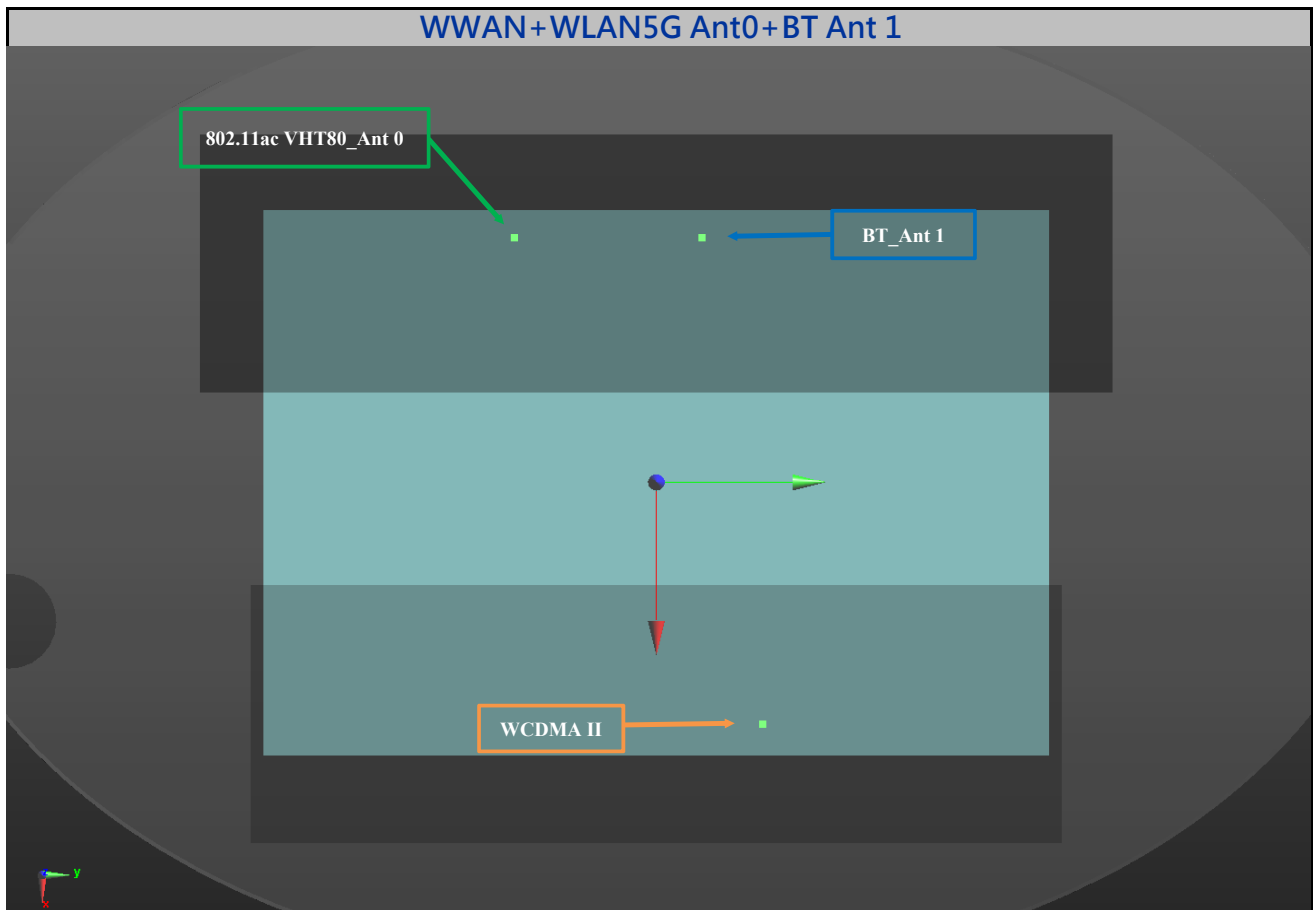


Annex I. SAR to Peak Location Separation Ratio Analysis.

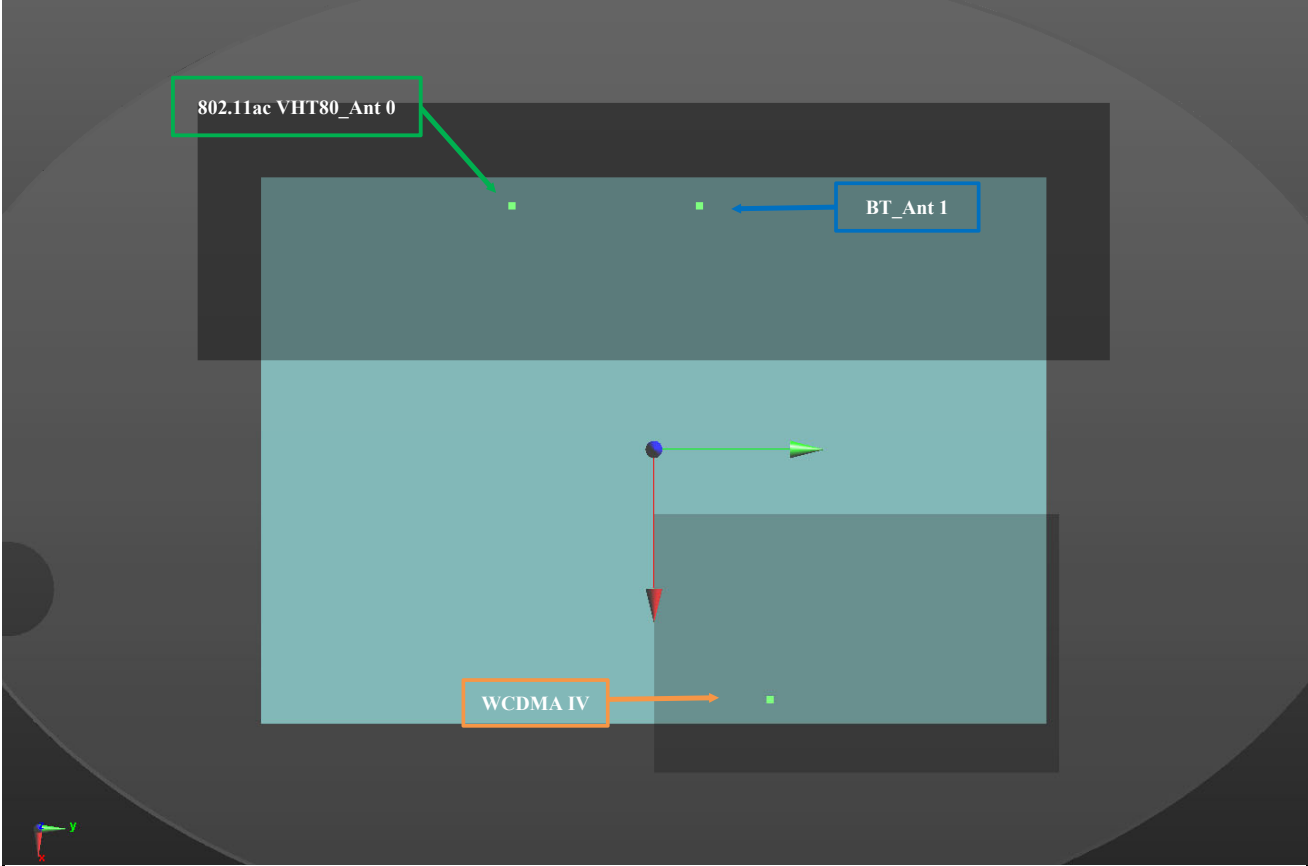
The result of analysis are shown as below.

WWAN+WLAN5G Ant0+BT Ant 1



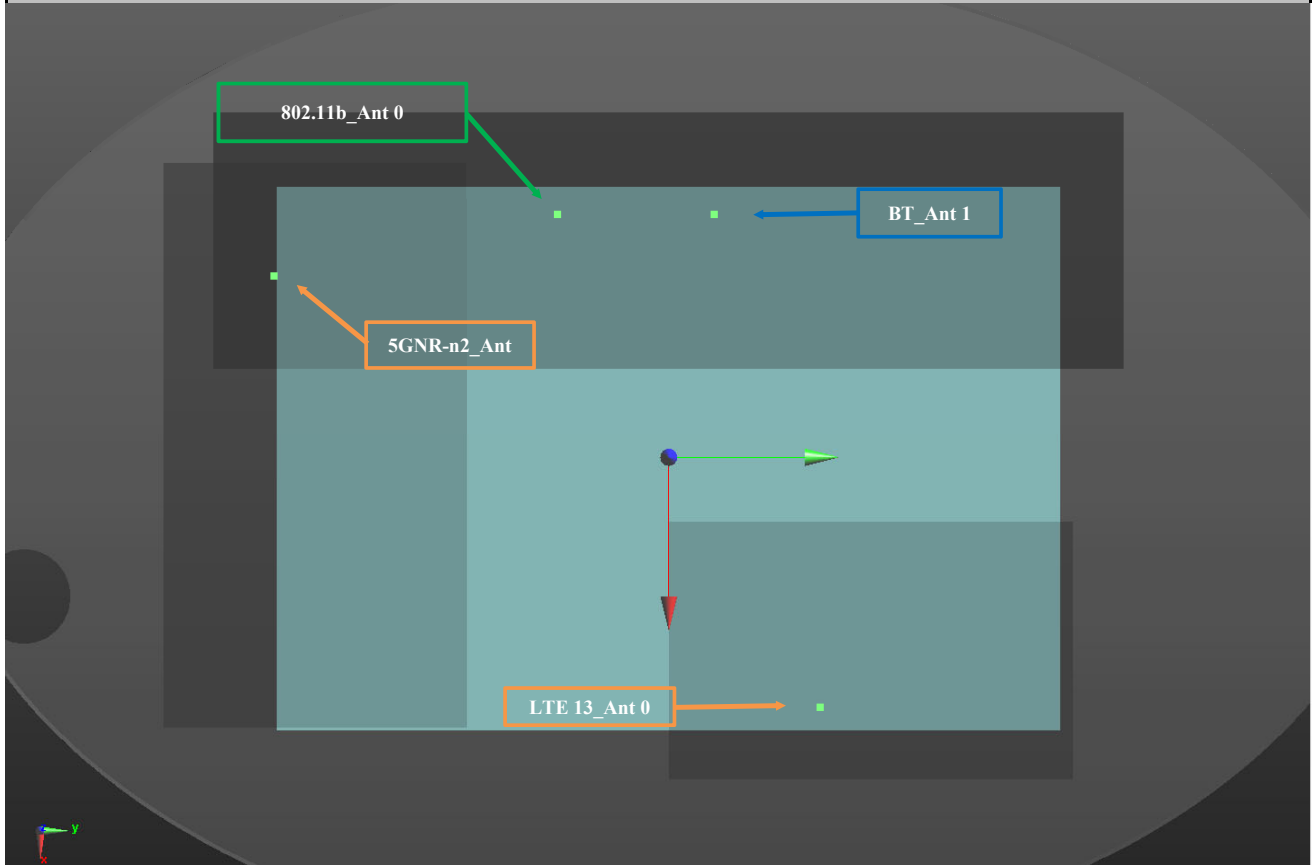
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
WCDMA II Ch9400	Body	Bottom	0.65	97.2	45.2	3.39	215.9	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
WCDMA II Ch9400	Body	Bottom	0.65	97.2	45.2	3.39	197.2	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11ac VHT80 Ch155 Ant0	Body	Bottom	0.69	-96.6	-49.6	-3.79	67.6	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		

WWAN+WLAN5G Ant0+BT Ant 1

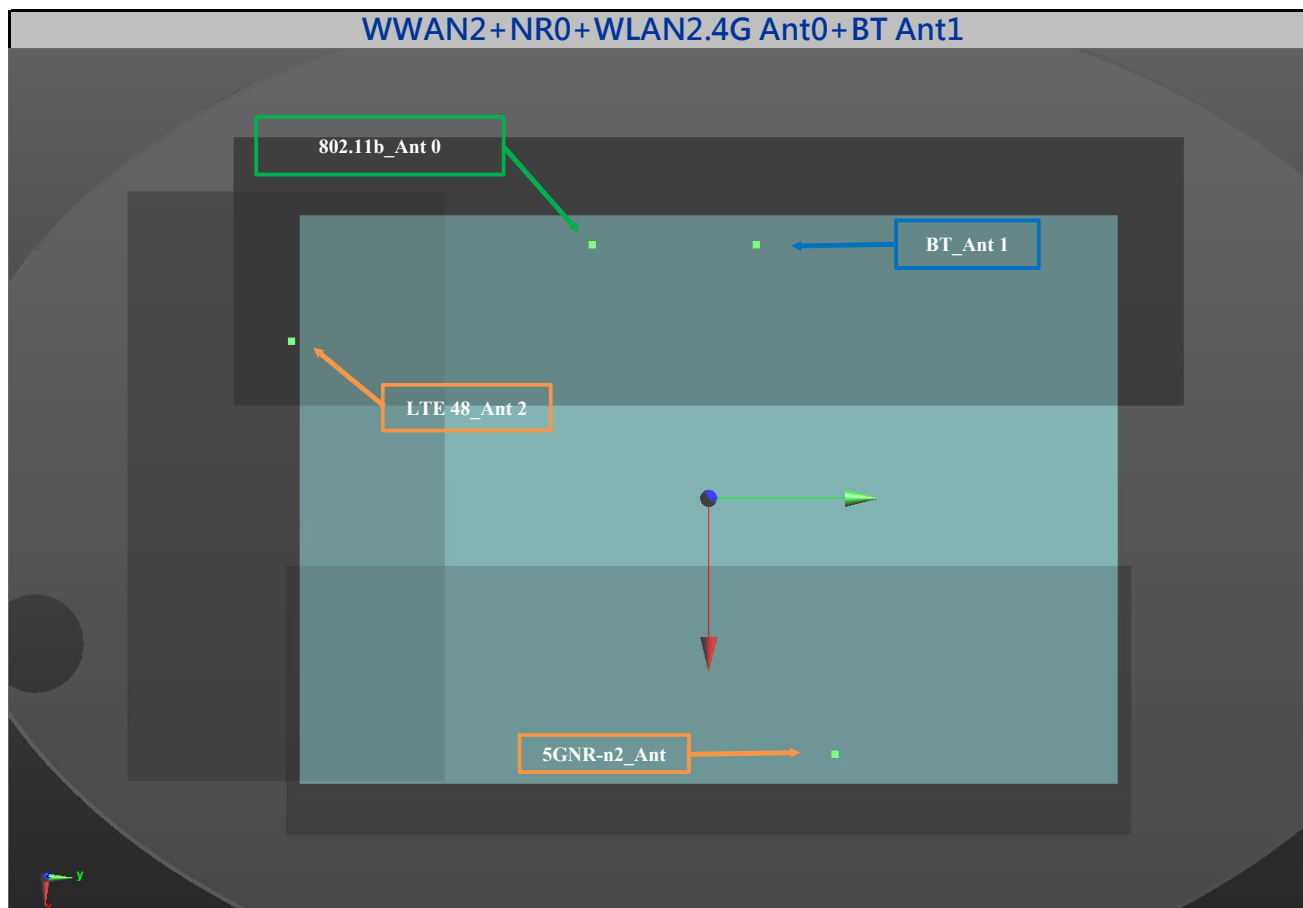


Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
WCDMA IV Ch1312	Body	Bottom	0.65	95.4	49.2	-0.66	216.0	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
WCDMA IV Ch1312	Body	Bottom	0.65	95.4	49.2	-0.66	195.9	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11ac VHT80 Ch155 Ant0	Body	Bottom	0.69	-96.6	-49.6	-3.79	67.6	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		

WWAN0+NR2+WLAN2.4G Ant0+BT Ant1

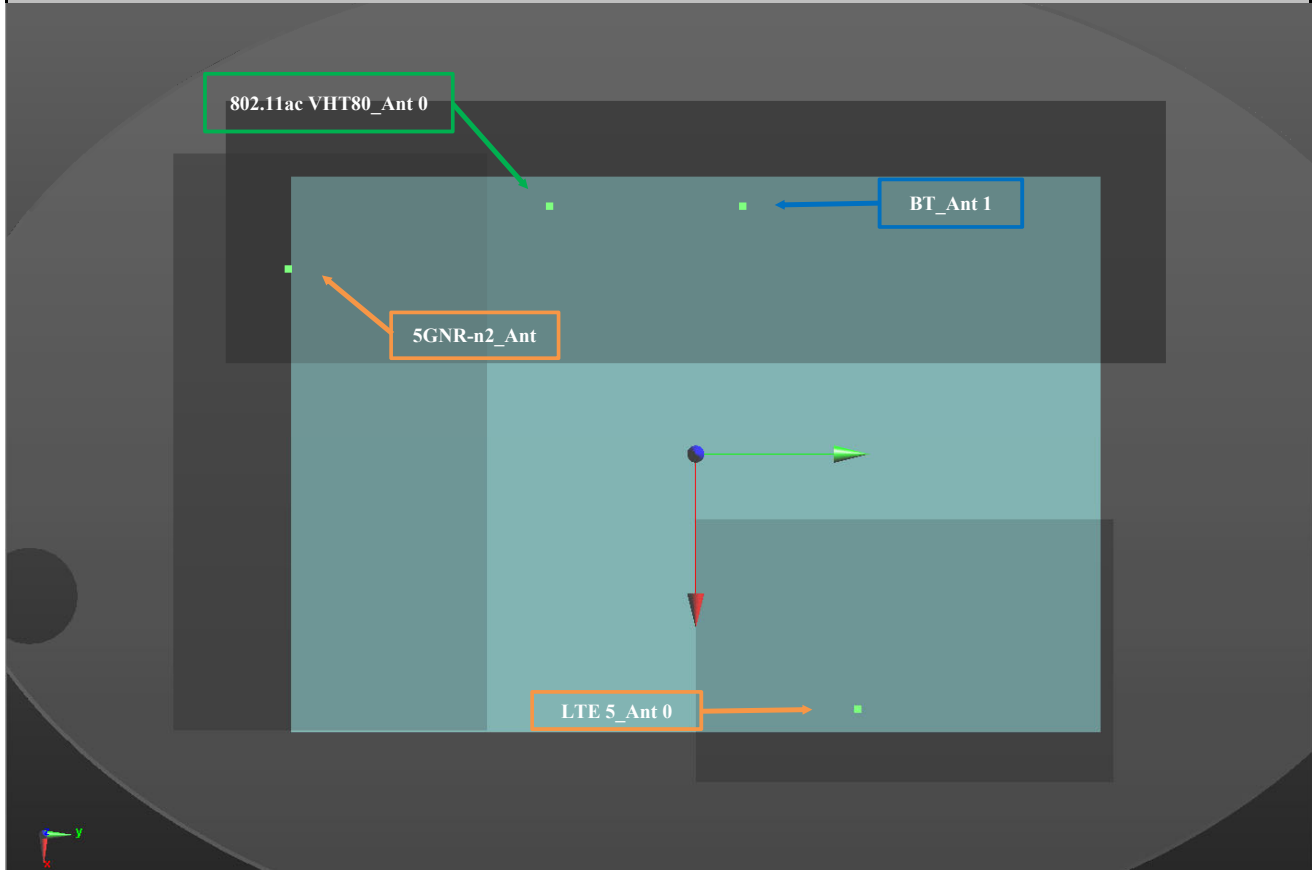


Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	217.6	0.00
802.11b Ch6_Ant0			0.57	-98	-46	-3.95		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	196.7	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11b Ch6_Ant0	Body	Bottom	0.57	-98	-46	-3.95	64.0	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	113.1	0.01
802.11b Ch6_Ant0			0.57	-98	-46	-3.95		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	196.7	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	263.4	0.00
5GNR-n2 QPSK20M Ch380000 Ant2			0.37	-66.2	-154.4	1.86		



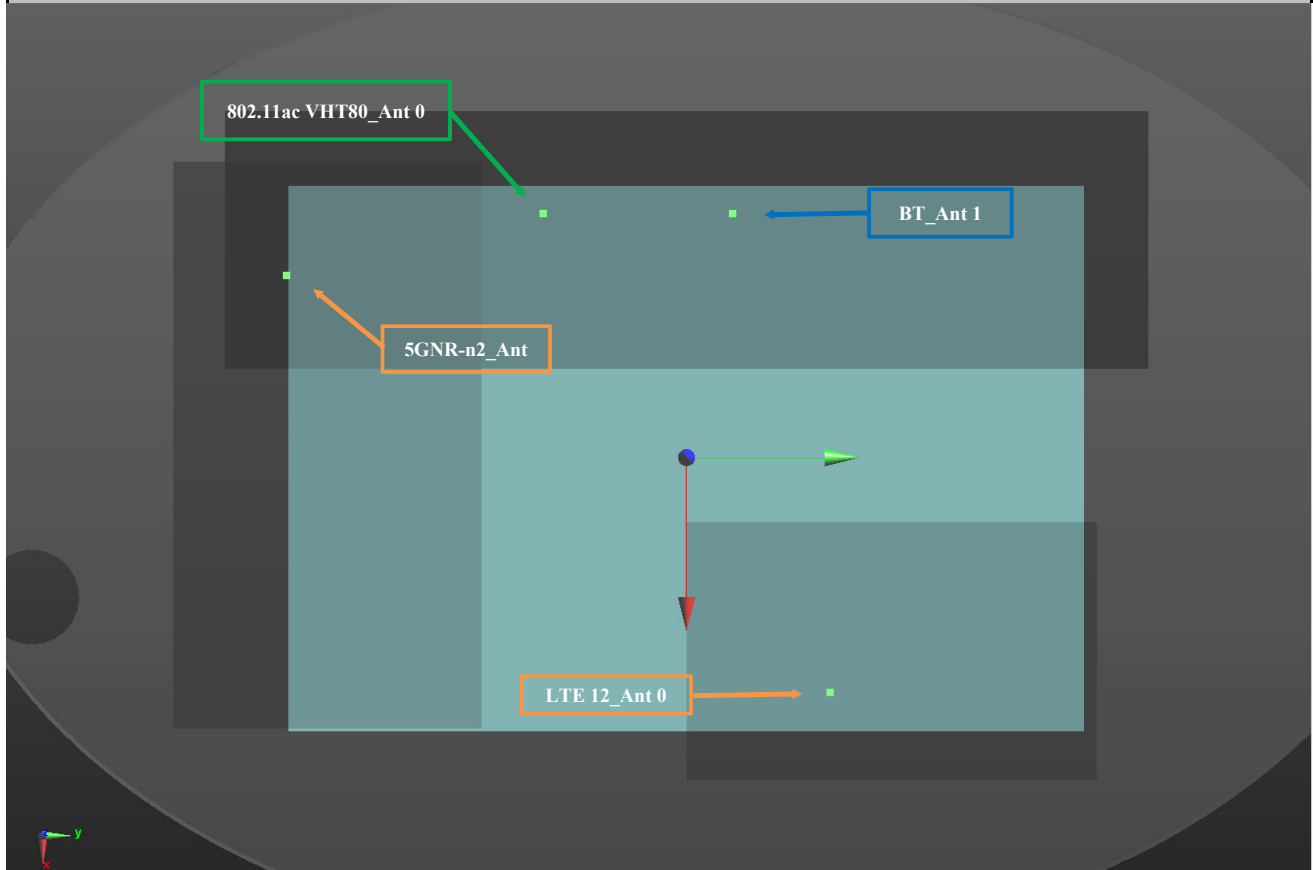
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	116.2	0.01
802.11b Ch6_Ant0			0.57	-98	-46	-3.95		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	178.0	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11b Ch6_Ant0	Body	Bottom	0.57	-98	-46	-3.95	64.0	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n2 QPSK20M Ch380000 Ant0	Body	Bottom	0.39	95	49.6	-0.5	215.4	0.00
802.11b Ch6_Ant0			0.57	-98	-46	-3.95		
5GNR-n2 QPSK20M Ch380000 Ant0	Body	Bottom	0.39	95	49.6	-0.5	195.6	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	258.1	0.00
5GNR-n2 QPSK20M Ch380000 Ant0			0.39	95	49.6	-0.5		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



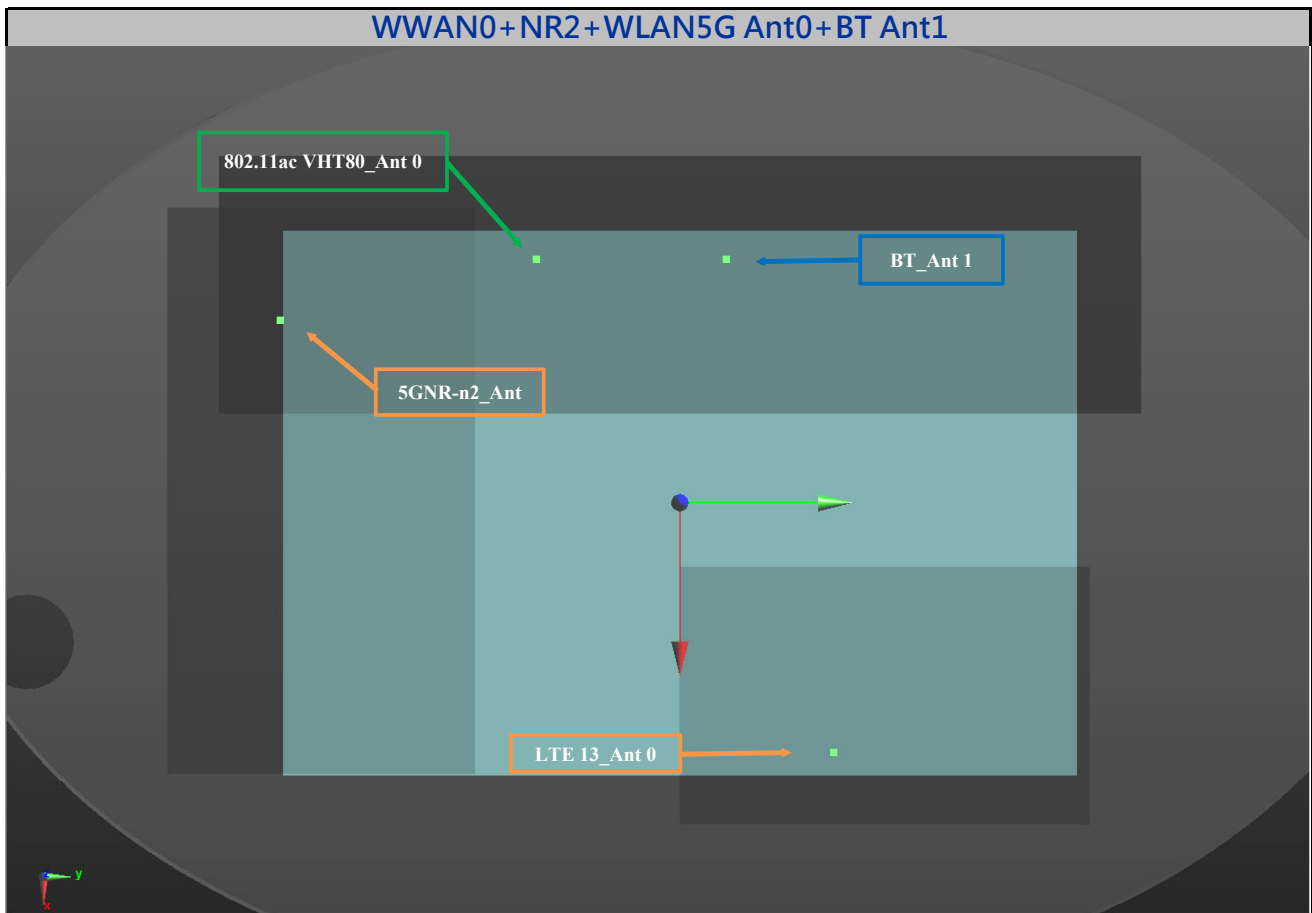
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	219.0	0.00
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	197.1	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11ac VHT80 Ch155 Ant0	Body	Bottom	0.69	-96.6	-49.6	-3.79	67.6	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	109.3	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	175.4	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	265.0	0.00
5GNR-n2 QPSK20M Ch380000 Ant2			0.37	-66.2	-154.4	1.86		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



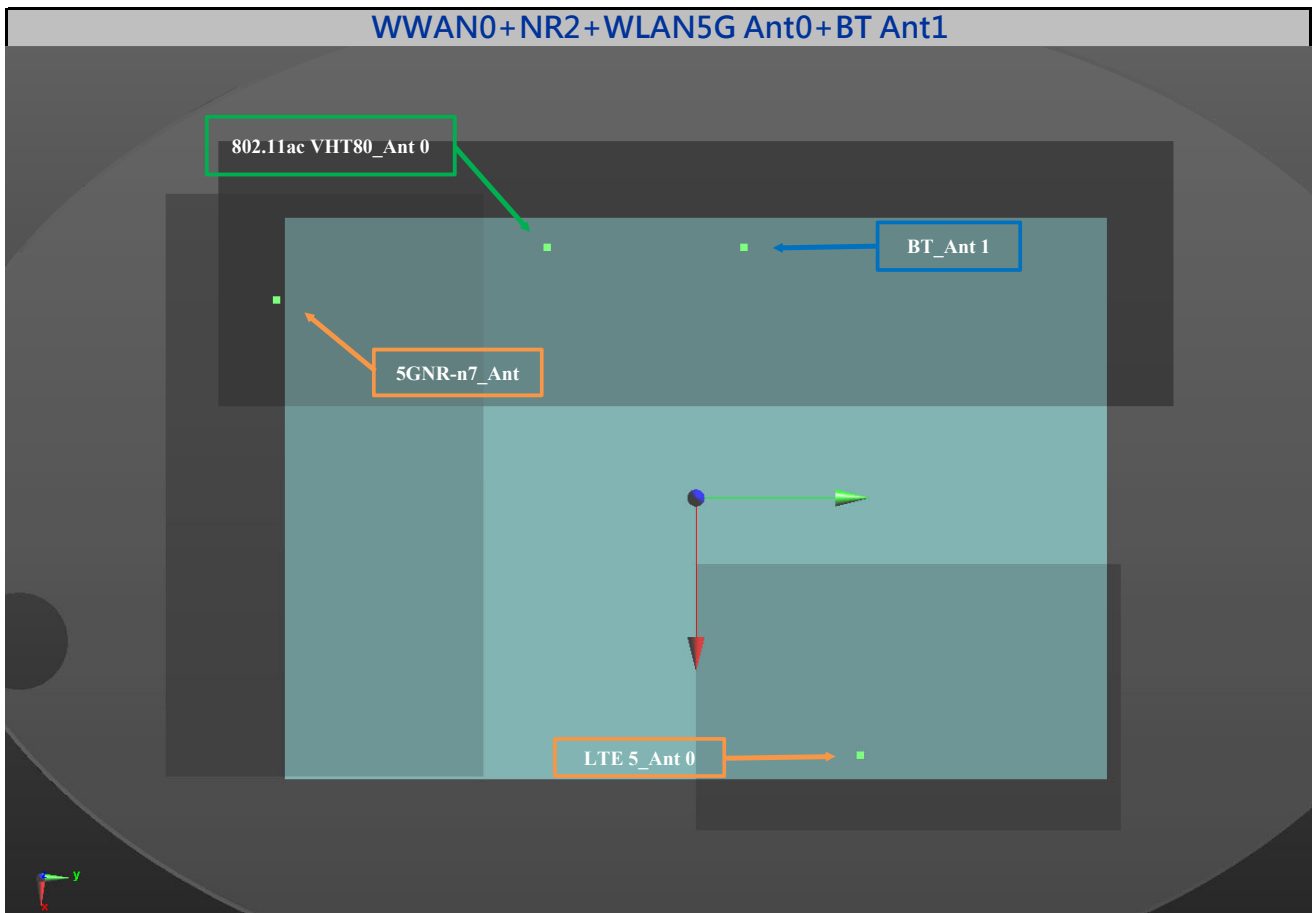
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	217.4	0.00
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	195.7	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11ac VHT80 Ch155 Ant0	Body	Bottom	0.69	-96.6	-49.6	-3.79	67.6	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	109.3	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	175.4	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	263.3	0.00
5GNR-n2 QPSK20M Ch380000 Ant2			0.37	-66.2	-154.4	1.86		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



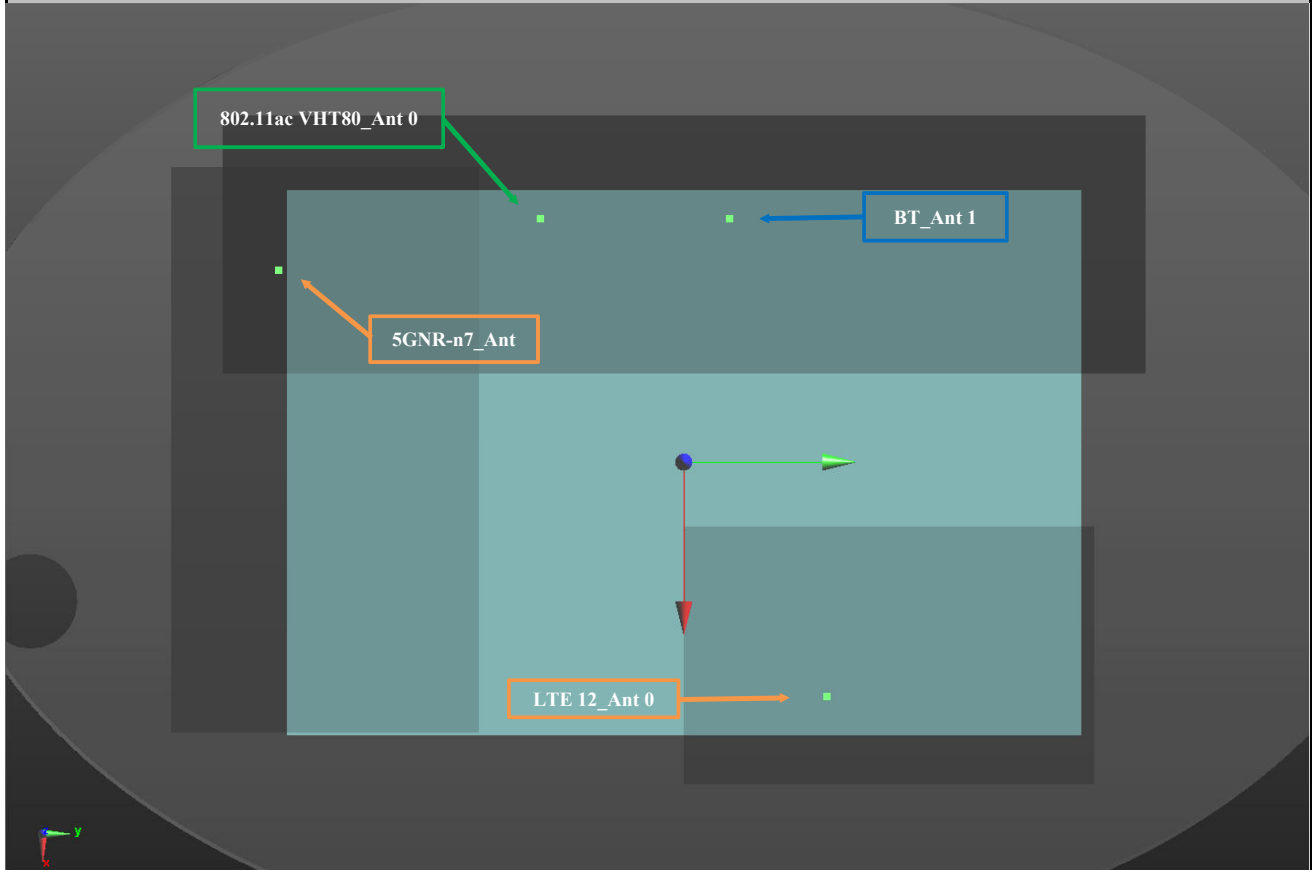
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	218.0	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	196.7	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
802.11ac VHT80 Ch155 Ant0	Body	Bottom	0.69	-96.6	-49.6	-3.79	67.6	0.01
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	109.3	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n2 QPSK20M Ch380000 Ant2	Body	Bottom	0.37	-66.2	-154.4	1.86	175.4	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 13 QPSK10M Ch23230 Ant0	Body	Bottom	0.39	95.4	53.6	1.56	263.4	0.00
5GNR-n2 QPSK20M Ch380000 Ant2			0.37	-66.2	-154.4	1.86		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



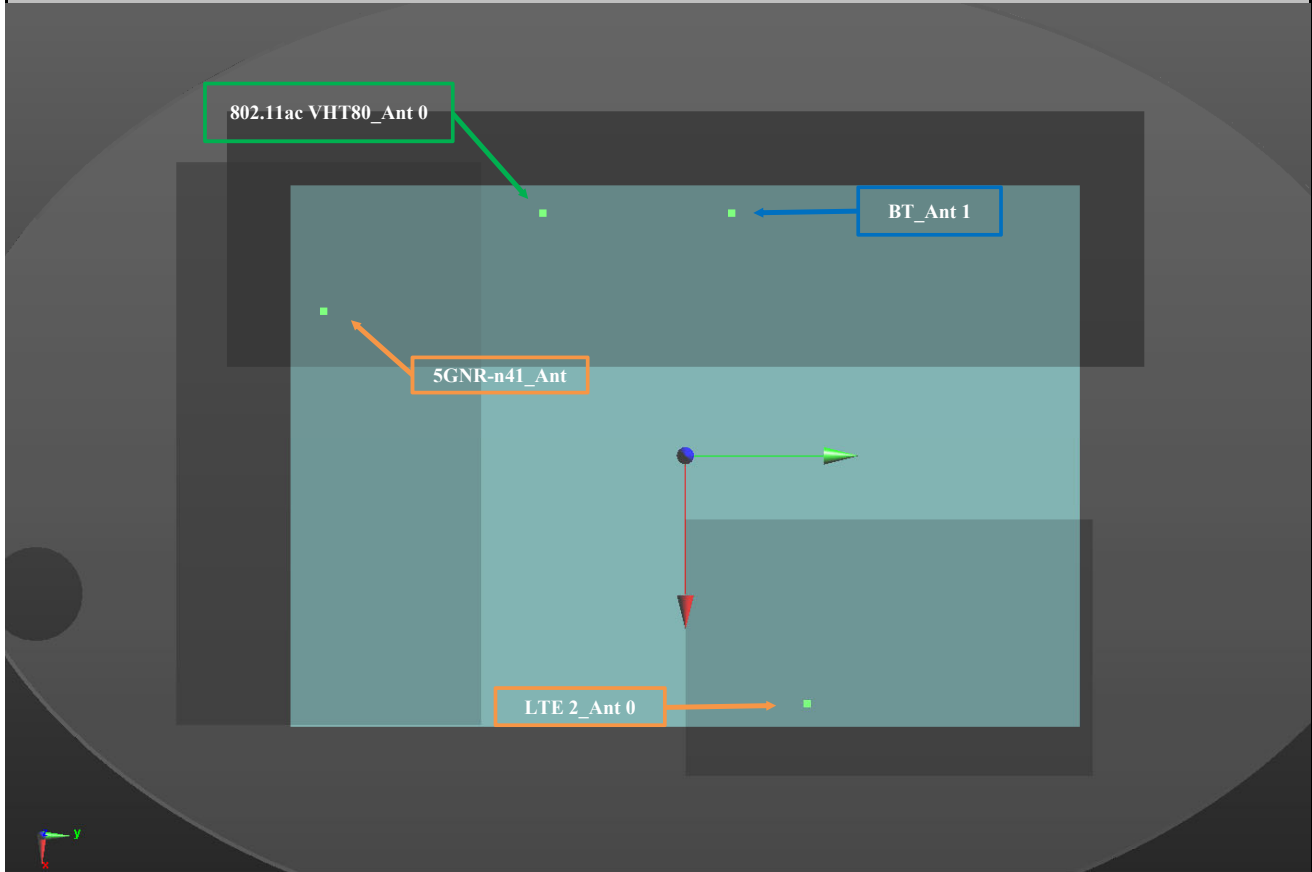
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	219.0	0.00
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	197.1	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	197.1	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n7 QPSK20M Ch512000 Ant2	Body	Bottom	0.39	-61	-149	2.13	105.7	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n7 QPSK20M Ch512000 Ant2	Body	Bottom	0.39	-61	-149	2.13	171.2	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 5 QPSK10M Ch20600 Ant0	Body	Bottom	0.35	95.4	55.6	1.57	257.5	0.00
5GNR-n7 QPSK20M Ch512000 Ant2			0.39	-61	-149	2.13		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



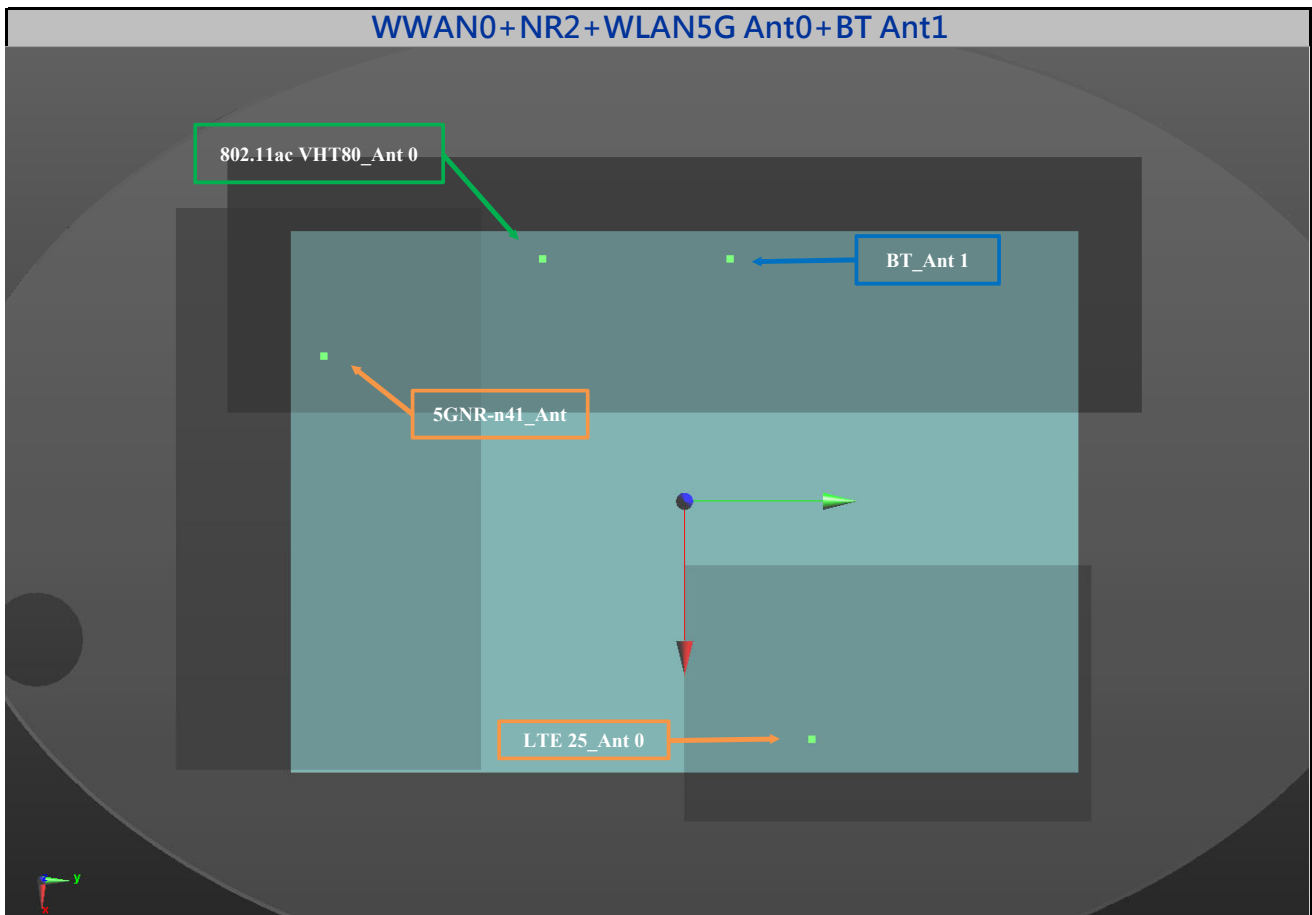
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	217.4	0.00
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	195.7	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	195.7	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n7 QPSK20M Ch512000 Ant2	Body	Bottom	0.39	-61	-149	2.13	105.7	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n7 QPSK20M Ch512000 Ant2	Body	Bottom	0.39	-61	-149	2.13	171.2	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 12 QPSK10M Ch23060 Ant0	Body	Bottom	0.35	94.2	54.4	1.54	255.8	0.00
5GNR-n7 QPSK20M Ch512000 Ant2			0.39	-61	-149	2.13		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



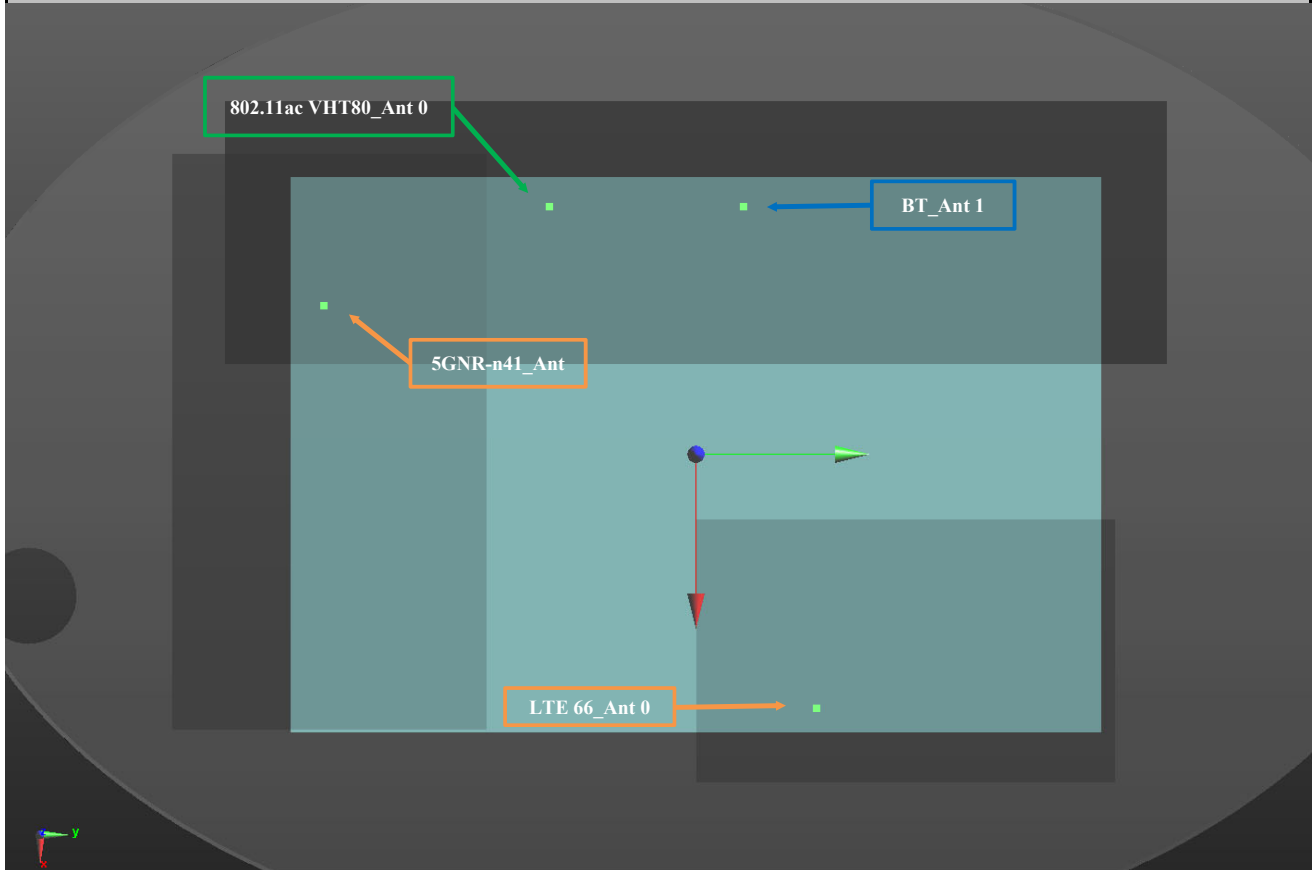
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 2 QPSK20M Ch19100 Ant0	Body	Bottom	0.39	97	49.6	-0.5	217.6	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 2 QPSK20M Ch19100 Ant0	Body	Bottom	0.39	97	49.6	-0.5	197.6	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 2 QPSK20M Ch19100 Ant0	Body	Bottom	0.39	97	49.6	-0.5	197.6	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n41 QPSK100M Ch528000 Ant2	Body	Bottom	0.29	-60	-143	1.73	100.5	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n41 QPSK100M Ch528000 Ant2	Body	Bottom	0.29	-60	-143	1.73	165.5	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 2 QPSK20M Ch19100 Ant0	Body	Bottom	0.39	97	49.6	-0.5	248.5	0.00
5GNR-n41 QPSK100M Ch528000 Ant2			0.29	-60	-143	1.73		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



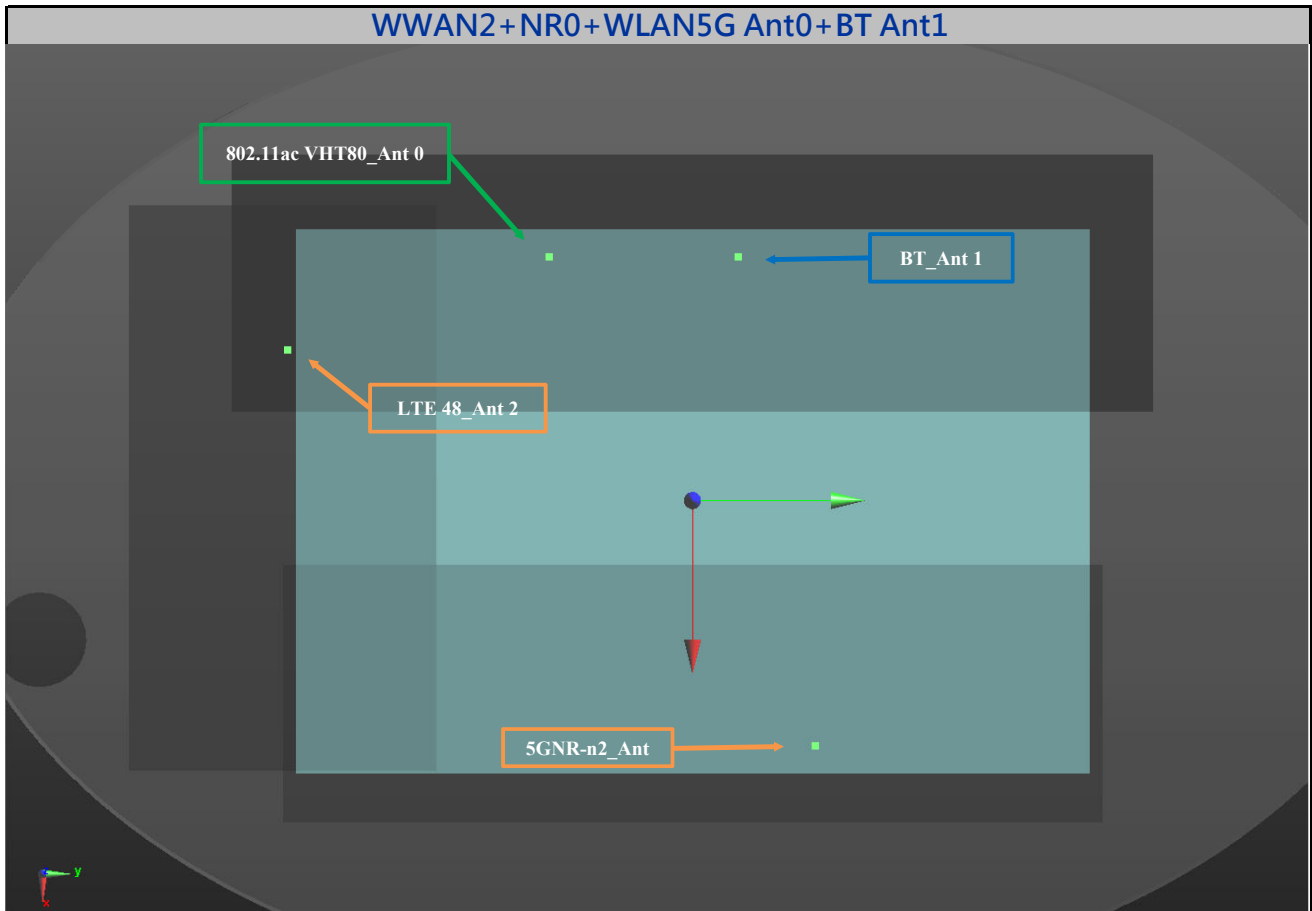
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 25 QPSK20M Ch26590 Ant0	Body	Bottom	0.39	96.2	48.4	-0.62	216.3	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 25 QPSK20M Ch26590 Ant0	Body	Bottom	0.39	96.2	48.4	-0.62	196.6	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 25 QPSK20M Ch26590 Ant0	Body	Bottom	0.39	96.2	48.4	-0.62	196.6	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n41 QPSK100M Ch528000 Ant2	Body	Bottom	0.29	-60	-143	1.73	100.5	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n41 QPSK100M Ch528000 Ant2	Body	Bottom	0.29	-60	-143	1.73	165.5	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 25 QPSK20M Ch26590 Ant0	Body	Bottom	0.39	96.2	48.4	-0.62	247.1	0.00
5GNR-n41 QPSK100M Ch528000 Ant2			0.29	-60	-143	1.73		

WWAN0+NR2+WLAN5G Ant0+BT Ant1



Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 66 QPSK20M Ch132322 Ant0	Body	Bottom	0.38	95.4	49.2	-0.65	216.0	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 66 QPSK20M Ch132322 Ant0	Body	Bottom	0.38	95.4	49.2	-0.65	195.9	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 66 QPSK20M Ch132322 Ant0	Body	Bottom	0.38	95.4	49.2	-0.65	195.9	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n41 QPSK100M Ch528000 Ant2	Body	Bottom	0.29	-60	-143	1.73	100.5	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n41 QPSK100M Ch528000 Ant2	Body	Bottom	0.29	-60	-143	1.73	165.5	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 66 QPSK20M Ch132322 Ant0	Body	Bottom	0.38	95.4	49.2	-0.65	247.2	0.00
5GNR-n41 QPSK100M Ch528000 Ant2			0.29	-60	-143	1.73		

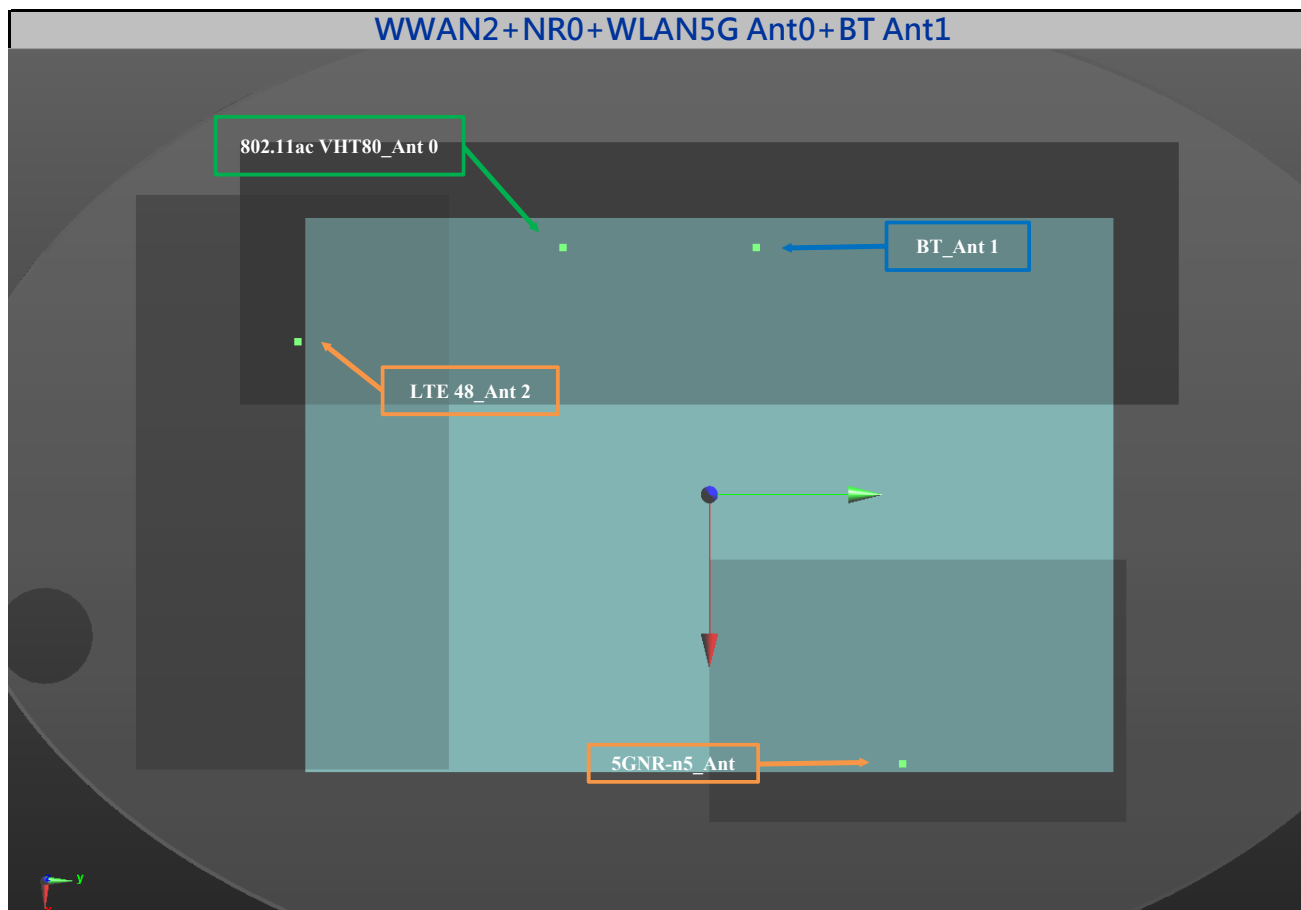
WWAN2+NR0+WLAN5G Ant0+BT Ant1



Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	112.4	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	178.0	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	178.0	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n2 QPSK20M Ch380000 Ant0	Body	Bottom	0.39	95	49.6	-0.5	215.8	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n2 QPSK20M Ch380000 Ant0	Body	Bottom	0.39	95	49.6	-0.5	195.6	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	258.1	0.00
5GNR-n2 QPSK20M Ch380000 Ant0			0.39	95	49.6	-0.5		



WWAN2+NR0+WLAN5G Ant0+BT Ant1



Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	112.4	0.01
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	178.0	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	178.0	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
5GNR-n5 QPSK20M Ch168000 Ant0	Body	Bottom	0.27	104.6	74	-0.27	236.2	0.00
802.11ac VHT80 Ch155 Ant0			0.69	-96.6	-49.6	-3.79		
5GNR-n5 QPSK20M Ch168000 Ant0	Body	Bottom	0.27	104.6	74	-0.27	210.2	0.00
BT Ch0 Ant1			0.28	-98	18	-4.26		
LTE 48 QPSK20M Ch55340 Ant2	Body	Bottom	0.38	-61	-156	2.65	283.4	0.00
5GNR-n5 QPSK20M Ch168000 Ant0			0.27	104.6	74	-0.27		

Annex J. Calibration of Test Equipment List

Calibration of Test Equipment List are shown as below.

Equipment for SAR Test

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D750V3	1078	Jun. 21, 2021	1 Year
System Validation Dipole	SPEAG	D835V2	4d092	Jun. 23, 2021	1 Year
System Validation Dipole	SPEAG	D1750V2	1111	Apr. 14, 2021	1 Year
System Validation Dipole	SPEAG	D1900V2	5d036	Jan. 22, 2021	1 Year
System Validation Dipole	SPEAG	D2300V2	1004	Jan. 22, 2021	1 Year
System Validation Dipole	SPEAG	D2450V2	835	Jun. 22, 2021	1 Year
System Validation Dipole	SPEAG	D2600V2	1020	Aug. 17, 2021	1 Year
System Validation Dipole	SPEAG	D3500V2	1007	Jan. 20, 2021	1 Year
System Validation Dipole	SPEAG	D3700V2	1017	Aug. 19, 2021	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Mar. 19, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7472	Jun. 03, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7537	Apr. 26, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7554	Aug. 26, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3887	Oct. 22, 2020	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3650	Mar. 26, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE3	579	Jun. 02, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	861	Apr. 14, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	915	Jun. 22, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1277	Jan. 19, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1585	Apr. 15, 2021	1 Year
Universal Radio Communication Tester	Anritsu	MT8821C	6201381727	Aug. 24, 2021	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 06, 2021	1 Year
Universal Wireless Test Set	Anritsu	MT8870A/MU887000A	6262296569	Aug. 18, 2021	1 Year
Thermometer	YFE	YF-160A	191100743	Apr. 12, 2021	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1151	Jul. 14, 2021	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4010	Jul. 13, 2021	1 Year

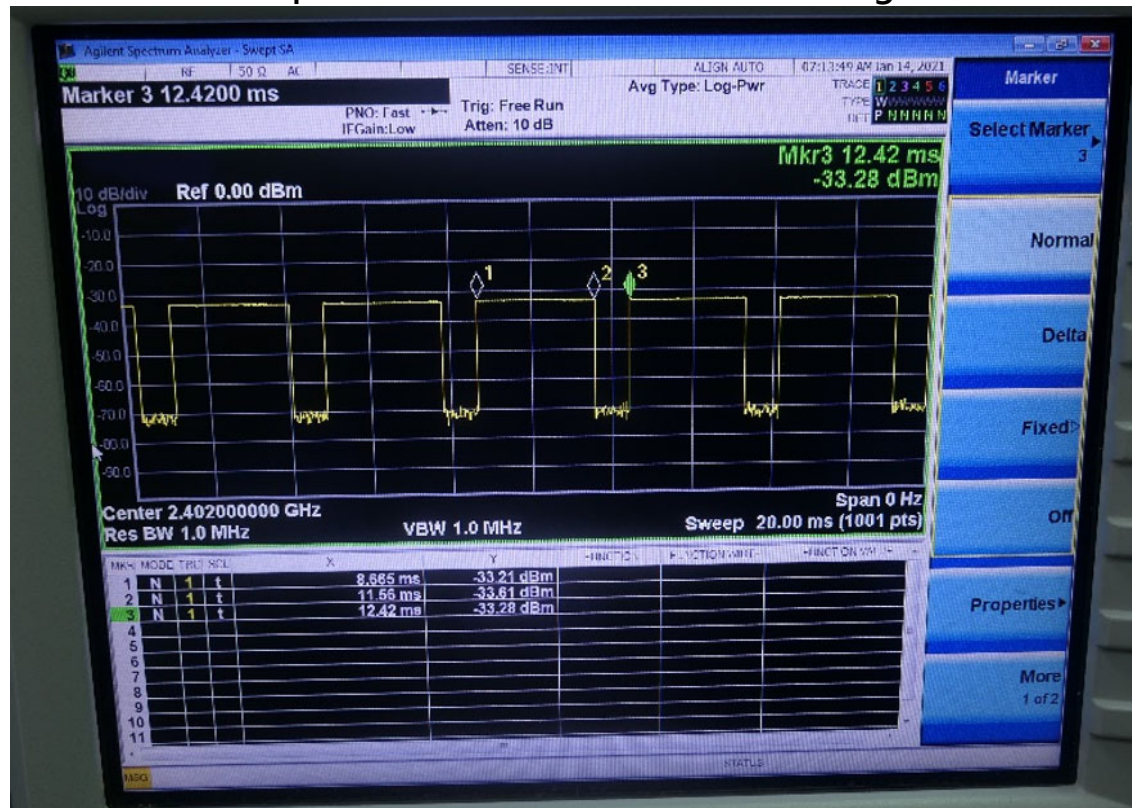
Annex K. Considerations Related to Bluetooth for Setup and Testing

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

The Bluetooth call box has been used during SAR measurement and the EUT was set to DH5 mode at the maximum output power. Its duty factor was calculated as below and the measured SAR for Bluetooth would be scaled to the 100% transmission duty factor to determine compliance.

The duty factor of Bluetooth signal are shown as below.

<Time-domain plot for Bluetooth transmission signal>



Time-domain plot for Bluetooth transmission signal

The duty factor of Bluetooth signal has been calculated as following.

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (11.56 - 8.665) / (12.42 - 8.665) = 77.10\%$$