

Appendix H. SAR Test Result

SAR Results for Hotspot Exposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.
2. The "< 0.001" means there is no SAR value or the SAR is too low to be measured.
3. SAR testing for LTE/NR was performed on the maximum power mode.
4. The standalone of LTE 2 / 7 / 66 and 5G NR 2 / 5 / 25 / 41 SAR had been tested and the results had been scaled to the EN-DC mode power level, the tune up of LTE 2 is 20dBm and others LTE 7 / 66 ,NR 2 / 5 / 25 / 41 / 66 / 71 / 77 are 21dBm in NSA mode.

Hotspot SAR Test Result																
System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
1	WCDMA II	RMC12.2K	Rear Face	10	9400			Ant 1	-	1.00	24.00	23.37	1.16	0.01	0.983	1.14
	WCDMA II	RMC12.2K	Rear Face	10	9262			Ant 1	-	1.00	24.00	23.34	1.16	0.17	0.914	1.06
	WCDMA II	RMC12.2K	Rear Face	10	9538			Ant 1	-	1.00	24.00	23.41	1.15	0.09	0.923	1.06
	WCDMA II	RMC12.2K	Rear Face	10	9400			Ant 1	-	1.00	24.00	23.37	1.16	-0.03	0.969	1.12
									-	1.00	-	-	1		-	-
2	WCDMA V	RMC12.2K	Front Face	10	4182			Ant 1	-	1.00	24.00	22.96	1.27	-0.04	0.625	0.79
									-	1.00	-	-	1		-	-
	LTE 2	QPSK20M	Rear Face	10	18700	1	0	Ant 1	-	1.00	23.00	21.50	1.41	0.02	0.726	1.02
3	LTE 2	QPSK20M	Rear Face	10	18900	1	0	Ant 1	-	1.00	23.00	21.40	1.45	-0.02	0.739	1.07
	LTE 2	QPSK20M	Rear Face	10	19100	1	0	Ant 1	-	1.00	23.00	21.47	1.42	-0.15	0.729	1.04
									-	1.00	-	-	1		-	-
4	LTE 2	QPSK20M	Rear Face	10	18900	1	0	Ant 2	-	1.00	20.00	21.40	0.72	-0.05	0.584	0.42
	LTE 2	QPSK20M	Rear Face	10	18700	1	0	Ant 2	-	1.00	20.00	21.50	0.71	0.02	0.568	0.40
	LTE 2	QPSK20M	Rear Face	10	19100	1	0	Ant 2	-	1.00	20.00	21.47	0.71	-0.15	0.555	0.39
									-	1.00	-	-	1		-	-
5	LTE 4	QPSK20M	Rear Face	10	20300	1	0	Ant 1	-	1.00	24.00	23.00	1.26	-0.07	0.636	0.80
	LTE 4	QPSK20M	Rear Face	10	20050	1	0	Ant 1	-	1.00	24.00	22.80	1.32	0.03	0.571	0.75
	LTE 4	QPSK20M	Rear Face	10	20175	1	0	Ant 1	-	1.00	24.00	22.90	1.29	0.11	0.612	0.79
									-	1.00	-	-	1		-	-
6	LTE 5	QPSK10M	Rear Face	10	20600	1	0	Ant 1	-	1.00	24.00	22.88	1.29	-0.07	0.552	0.71
									-	1.00	-	-	1		-	-
7	LTE 7	QPSK20M	Rear Face	10	21100	1	0	Ant 1	-	1.00	24.00	23.98	1.00	0.01	1.07	1.07
	LTE 7	QPSK20M	Rear Face	10	20850	1	0	Ant 1	-	1.00	24.00	23.86	1.03	-0.05	1.02	1.05
	LTE 7	QPSK20M	Rear Face	10	21350	1	0	Ant 1	-	1.00	24.00	23.93	1.02	-0.13	0.938	0.96
	LTE 7	QPSK20M	Rear Face	10	21100	1	0	Ant 1	-	1.00	24.00	23.98	1.00	0.02	1.04	1.04
									-	1.00	-	-	1		-	-
8	LTE 7	QPSK20M	Front Face	10	21100	1	0	Ant 2	-	1.00	21.00	23.98	0.50	-0.18	1.11	0.56
	LTE 7	QPSK20M	Front Face	10	21100	1	0	Ant 2	-	1.00	21.00	23.98	0.50	-0.13	1.07	0.54
									-	1.00	-	-	1		-	-
9	LTE 12	QPSK10M	Front Face	10	23130	1	0	Ant 1	-	1.00	24.00	23.00	1.26	-0.01	0.676	0.85
	LTE 12	QPSK10M	Front Face	10	23060	1	0	Ant 1	-	1.00	24.00	22.87	1.30	-0.07	0.647	0.84
	LTE 12	QPSK10M	Front Face	10	23095	1	0	Ant 1	-	1.00	24.00	22.95	1.27	0.01	0.642	0.82
									-	1.00	-	-	1		-	-

Hotspot SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
10	LTE 13	QPSK10M	Front Face	10	23230	1	0	Ant 1	-	1.00	24.00	22.97	1.27	-0.03	0.783	0.99
									-	1.00	-	-	1	-	-	-
11	LTE 14	QPSK10M	Front Face	10	23330	1	0	Ant 1	-	1.00	24.00	23.39	1.15	-0.04	0.704	0.81
	LTE 14	QPSK10M	Rear Face	10	23330	1	0	Ant 1	-	1.00	24.00	23.39	1.15	-0.15	0.632	0.73
	LTE 14	QPSK10M	Left Side	10	23330	1	0	Ant 1	-	1.00	24.00	23.39	1.15	0.14	0.284	0.33
	LTE 14	QPSK10M	Right Side	10	23330	1	0	Ant 1	-	1.00	24.00	23.39	1.15	0	<0.001	0.00
	LTE 14	QPSK10M	Top Side	10	23330	1	0	Ant 1	-	1.00	24.00	23.39	1.15	-0.04	0.202	0.23
	LTE 14	QPSK10M	Bottom Side	10	23330	1	0	Ant 1	-	1.00	24.00	23.39	1.15	0	<0.001	0.00
	LTE 14	QPSK10M	Front Face	10	23330	25	0	Ant 1	-	1.00	23.00	22.43	1.14	0.16	0.559	0.64
	LTE 14	QPSK10M	Rear Face	10	23330	25	0	Ant 1	-	1.00	23.00	22.43	1.14	-0.13	0.5	0.57
	LTE 14	QPSK10M	Left Side	10	23330	25	0	Ant 1	-	1.00	23.00	22.43	1.14	-0.03	0.22	0.25
	LTE 14	QPSK10M	Right Side	10	23330	25	0	Ant 1	-	1.00	23.00	22.43	1.14	0	<0.001	0.00
	LTE 14	QPSK10M	Top Side	10	23330	25	0	Ant 1	-	1.00	23.00	22.43	1.14	0.08	0.155	0.18
	LTE 14	QPSK10M	Bottom Side	10	23330	25	0	Ant 1	-	1.00	23.00	22.43	1.14	0	<0.001	0.00
									-	1.00	-	-	1	-	-	-
12	LTE 17	QPSK10M	Front Face	10	23790	1	0	Ant 1	-	1.00	24.00	22.83	1.31	-0.05	0.677	0.89
	LTE 17	QPSK10M	Front Face	10	23780	1	0	Ant 1	-	1.00	24.00	22.88	1.29	-0.15	0.661	0.85
	LTE 17	QPSK10M	Front Face	10	23800	1	0	Ant 1	-	1.00	24.00	22.90	1.29	0.05	0.659	0.85
									-	1.00	-	-	1	-	-	-
13	LTE 25	QPSK20M	Rear Face	10	26590	1	0	Ant 1	-	1.00	24.00	23.66	1.08	-0.03	1.08	1.17
	LTE 25	QPSK20M	Rear Face	10	26140	1	0	Ant 1	-	1.00	24.00	23.51	1.12	0.09	0.967	1.08
	LTE 25	QPSK20M	Rear Face	10	26365	1	0	Ant 1	-	1.00	24.00	23.54	1.11	0.07	1.04	1.15
	LTE 25	QPSK20M	Rear Face	10	26590	1	0	Ant 1	-	1.00	24.00	23.66	1.08	-0.01	1.04	1.12
									-	1.00	-	-	1	-	-	-
14	LTE 30	QPSK10M	Rear Face	10	27710	1	0	Ant 1	-	1.00	23.00	22.42	1.14	-0.07	0.763	0.87
									-	1.00	-	-	1	-	-	-
15	LTE 38	QPSK20M	Rear Face	10	37850	1	0	Ant 1	-	1.00	24.00	23.50	1.12	-0.04	0.503	0.56
									-	1.00	-	-	1	-	-	-
16	LTE 41	QPSK20M	Rear Face	10	40185	1	0	Ant 1	-	1.00	24.00	23.49	1.12	-0.04	0.58	0.65
									-	1.00	-	-	1	-	-	-
18	LTE 66	QPSK20M	Front Face	10	132572	1	0	Ant 1	-	1.00	24.00	22.91	1.29	-0.09	0.77	0.99
	LTE 66	QPSK20M	Front Face	10	132072	1	0	Ant 1	-	1.00	24.00	22.89	1.29	-0.01	0.536	0.69
	LTE 66	QPSK20M	Front Face	10	132322	1	0	Ant 1	-	1.00	24.00	22.83	1.31	-0.14	0.657	0.86
									-	1.00	-	-	1	-	-	-
19	LTE 66	QPSK20M	Front Face	10	132572	1	0	Ant 2	-	1.00	21.00	22.91	0.64	-0.07	0.832	0.53
	LTE 66	QPSK20M	Front Face	10	132572	1	0	Ant 2	-	1.00	21.00	22.91	0.64	0.03	0.819	0.52
									-	1.00	-	-	1	-	-	-
20	LTE 71	QPSK20M	Front Face	10	133222	1	0	Ant 1	-	1.00	24.00	22.85	1.30	-0.03	0.709	0.92
	LTE 71	QPSK20M	Front Face	10	133297	1	0	Ant 1	-	1.00	24.00	22.75	1.33	0.02	0.676	0.90
	LTE 71	QPSK20M	Front Face	10	133372	1	0	Ant 1	-	1.00	24.00	22.69	1.35	-0.15	0.649	0.88

Hotspot SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
									-	1.00	-	-	1		-	-
	5G NR-n2	DFT-S QPSK20M	Front Face	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	-0.17	1.03	1.18
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	-0.08	1	1.15
	5G NR-n2	DFT-S QPSK20M	Left Side	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	0	<0.001	0.00
	5G NR-n2	DFT-S QPSK20M	Right Side	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	-0.12	0.83	0.95
	5G NR-n2	DFT-S QPSK20M	Top Side	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	0.05	0.722	0.83
	5G NR-n2	DFT-S QPSK20M	Bottom Side	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	0.01	0.041	0.05
	5G NR-n2	DFT-S QPSK20M	Front Face	10	380000	50	28	Ant 2	-	1.00	24.00	23.15	1.22	-0.07	0.961	1.17
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	380000	50	28	Ant 2	-	1.00	24.00	23.15	1.22	0.03	0.94	1.15
	5G NR-n2	DFT-S QPSK20M	Left Side	10	380000	50	28	Ant 2	-	1.00	24.00	23.15	1.22	0	<0.001	0.00
	5G NR-n2	DFT-S QPSK20M	Right Side	10	380000	50	28	Ant 2	-	1.00	24.00	23.15	1.22	0.01	0.812	0.99
	5G NR-n2	DFT-S QPSK20M	Top Side	10	380000	50	28	Ant 2	-	1.00	24.00	23.15	1.22	-0.08	0.766	0.93
	5G NR-n2	DFT-S QPSK20M	Bottom Side	10	380000	50	28	Ant 2	-	1.00	24.00	23.15	1.22	0	<0.001	0.00
	5G NR-n2	DFT-S QPSK20M	Front Face	10	380000	100	0	Ant 2	-	1.00	23.00	22.65	1.08	-0.08	0.783	0.85
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	380000	100	0	Ant 2	-	1.00	23.00	22.65	1.08	0.03	0.704	0.76
	5G NR-n2	DFT-S QPSK20M	Right Side	10	380000	100	0	Ant 2	-	1.00	23.00	22.65	1.08	0.07	0.609	0.66
	5G NR-n2	DFT-S QPSK20M	Top Side	10	380000	100	0	Ant 2	-	1.00	23.00	22.65	1.08	0.02	0.566	0.61
	5G NR-n2	DFT-S QPSK20M	Front Face	10	372000	1	1	Ant 2	-	1.00	24.00	23.32	1.17	0.12	0.913	1.07
	5G NR-n2	DFT-S QPSK20M	Front Face	10	376000	1	1	Ant 2	-	1.00	24.00	22.89	1.29	0.08	0.856	1.10
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	372000	1	1	Ant 2	-	1.00	24.00	23.32	1.17	-0.06	0.839	0.98
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	376000	1	1	Ant 2	-	1.00	24.00	22.89	1.29	0.03	0.772	1.00
	5G NR-n2	DFT-S QPSK20M	Right Side	10	372000	1	1	Ant 2	-	1.00	24.00	23.32	1.17	0.11	0.646	0.76
	5G NR-n2	DFT-S QPSK20M	Right Side	10	376000	1	1	Ant 2	-	1.00	24.00	22.89	1.29	0.05	0.647	0.83
	5G NR-n2	DFT-S QPSK20M	Top Side	10	372000	1	1	Ant 2	-	1.00	24.00	23.32	1.17	-0.02	0.699	0.82
	5G NR-n2	DFT-S QPSK20M	Top Side	10	376000	1	1	Ant 2	-	1.00	24.00	22.89	1.29	-0.13	0.616	0.79
	5G NR-n2	DFT-S QPSK20M	Front Face	10	372000	50	28	Ant 2	-	1.00	24.00	23.02	1.25	0.01	0.904	1.13
	5G NR-n2	DFT-S QPSK20M	Front Face	10	376000	50	28	Ant 2	-	1.00	24.00	22.87	1.30	0.07	0.758	0.99
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	372000	50	28	Ant 2	-	1.00	24.00	23.02	1.25	-0.06	0.824	1.03
	5G NR-n2	DFT-S QPSK20M	Rear Face	10	376000	50	28	Ant 2	-	1.00	24.00	22.87	1.30	0.02	0.678	0.88
	5G NR-n2	DFT-S QPSK20M	Right Side	10	372000	50	28	Ant 2	-	1.00	24.00	23.02	1.25	-0.05	0.703	0.88
	5G NR-n2	DFT-S QPSK20M	Right Side	10	376000	50	28	Ant 2	-	1.00	24.00	22.87	1.30	0.01	0.566	0.74
	5G NR-n2	DFT-S QPSK20M	Top Side	10	372000	50	28	Ant 2	-	1.00	24.00	23.02	1.25	0.06	0.64	0.80
	5G NR-n2	DFT-S QPSK20M	Top Side	10	376000	50	28	Ant 2	-	1.00	24.00	22.87	1.30	0.12	0.593	0.77
	5G NR-n2	DFT-S QPSK20M	Front Face	10	380000	1	1	Ant 2	-	1.00	24.00	23.38	1.15	-0.17	1.01	1.16

Hotspot SAR Test Result																
System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	For EN-DC								-	1.00						
21	5GNR-n2	DFT-S QPSK20M	Front Face	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	-0.17	1.03	0.60
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	-0.08	1	0.58
	5GNR-n2	DFT-S QPSK20M	Left Side	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	0	<0.001	0.00
	5GNR-n2	DFT-S QPSK20M	Right Side	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	-0.12	0.83	0.48
	5GNR-n2	DFT-S QPSK20M	Top Side	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	0.05	0.722	0.42
	5GNR-n2	DFT-S QPSK20M	Bottom Side	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	0.01	0.041	0.02
	5GNR-n2	DFT-S QPSK20M	Front Face	10	380000	50	28	Ant 2	-	1.00	21.00	23.15	0.61	-0.07	0.961	0.59
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	380000	50	28	Ant 2	-	1.00	21.00	23.15	0.61	0.03	0.94	0.57
	5GNR-n2	DFT-S QPSK20M	Left Side	10	380000	50	28	Ant 2	-	1.00	21.00	23.15	0.61	0	<0.001	0.00
	5GNR-n2	DFT-S QPSK20M	Right Side	10	380000	50	28	Ant 2	-	1.00	21.00	23.15	0.61	0.01	0.812	0.50
	5GNR-n2	DFT-S QPSK20M	Top Side	10	380000	50	28	Ant 2	-	1.00	21.00	23.15	0.61	-0.08	0.766	0.47
	5GNR-n2	DFT-S QPSK20M	Bottom Side	10	380000	50	28	Ant 2	-	1.00	21.00	23.15	0.61	0	<0.001	0.00
	5GNR-n2	DFT-S QPSK20M	Front Face	10	380000	100	0	Ant 2	-	1.00	20.00	22.65	0.54	-0.08	0.783	0.42
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	380000	100	0	Ant 2	-	1.00	20.00	22.65	0.54	0.03	0.704	0.38
	5GNR-n2	DFT-S QPSK20M	Right Side	10	380000	100	0	Ant 2	-	1.00	20.00	22.65	0.54	0.07	0.609	0.33
	5GNR-n2	DFT-S QPSK20M	Top Side	10	380000	100	0	Ant 2	-	1.00	20.00	22.65	0.54	0.02	0.566	0.31
	5GNR-n2	DFT-S QPSK20M	Front Face	10	372000	1	1	Ant 2	-	1.00	21.00	23.32	0.59	0.12	0.913	0.54
	5GNR-n2	DFT-S QPSK20M	Front Face	10	376000	1	1	Ant 2	-	1.00	21.00	22.89	0.65	0.08	0.856	0.56
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	372000	1	1	Ant 2	-	1.00	21.00	23.32	0.59	-0.06	0.839	0.50
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	376000	1	1	Ant 2	-	1.00	21.00	22.89	0.65	0.03	0.772	0.50
	5GNR-n2	DFT-S QPSK20M	Right Side	10	372000	1	1	Ant 2	-	1.00	21.00	23.32	0.59	0.11	0.646	0.38
	5GNR-n2	DFT-S QPSK20M	Right Side	10	376000	1	1	Ant 2	-	1.00	21.00	22.89	0.65	0.05	0.647	0.42
	5GNR-n2	DFT-S QPSK20M	Top Side	10	372000	1	1	Ant 2	-	1.00	21.00	23.32	0.59	-0.02	0.699	0.41
	5GNR-n2	DFT-S QPSK20M	Top Side	10	376000	1	1	Ant 2	-	1.00	21.00	22.89	0.65	-0.13	0.616	0.40
	5GNR-n2	DFT-S QPSK20M	Front Face	10	372000	50	28	Ant 2	-	1.00	21.00	23.02	0.63	0.01	0.904	0.57
	5GNR-n2	DFT-S QPSK20M	Front Face	10	376000	50	28	Ant 2	-	1.00	21.00	22.87	0.65	0.07	0.758	0.49
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	372000	50	28	Ant 2	-	1.00	21.00	23.02	0.63	-0.06	0.824	0.52
	5GNR-n2	DFT-S QPSK20M	Rear Face	10	376000	50	28	Ant 2	-	1.00	21.00	22.87	0.65	0.02	0.678	0.44
	5GNR-n2	DFT-S QPSK20M	Right Side	10	372000	50	28	Ant 2	-	1.00	21.00	23.02	0.63	-0.05	0.703	0.44
	5GNR-n2	DFT-S QPSK20M	Right Side	10	376000	50	28	Ant 2	-	1.00	21.00	22.87	0.65	0.01	0.566	0.37
	5GNR-n2	DFT-S QPSK20M	Top Side	10	372000	50	28	Ant 2	-	1.00	21.00	23.02	0.63	0.06	0.64	0.40
	5GNR-n2	DFT-S QPSK20M	Top Side	10	376000	50	28	Ant 2	-	1.00	21.00	22.87	0.65	0.12	0.593	0.39
	5GNR-n2	DFT-S QPSK20M	Front Face	10	380000	1	1	Ant 2	-	1.00	21.00	23.38	0.58	-0.17	1.01	0.59
									-	1.00	-	-	1		-	-

Hotspot SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
22	5GNR-n5	DFT-S QPSK20M	Front Face	10	166800	1	1	Ant 1	-	1.00	21.00	23.08	0.62	0.05	0.668	0.41
	5GNR-n5	DFT-S QPSK20M	Front Face	10	167300	1	1	Ant 1	-	1.00	21.00	23.14	0.61	0.02	0.549	0.33
	5GNR-n5	DFT-S QPSK20M	Front Face	10	167800	1	1	Ant 1	-	1.00	21.00	23.15	0.61	-0.15	0.427	0.26
									-	1.00	-	-	1		-	-
23	5GNR-n5	DFT-S QPSK20M	Front Face	10	166800	1	1	Ant 2	-	1.00	21.00	23.08	0.62	-0.05	0.725	0.45
									-	1.00	-	-	1		-	-
24	5GNR-n25	DFT-S QPSK20M	Front Face	10	376500	1	1	Ant 2	-	1.00	21.00	23.08	0.62	-0.19	0.829	0.51
	5GNR-n25	DFT-S QPSK20M	Front Face	10	376500	1	1	Ant 2	-	1.00	21.00	23.08	0.62	-0.04	0.822	0.51
									-	1.00	-	-	1		-	-
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	-0.18	0.911	0.95
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	0.14	0.876	0.91
	5GNR-n41	DFT-S QPSK100M	Left Side	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	-0.15	0.053	0.06
	5GNR-n41	DFT-S QPSK100M	Right Side	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	-0.11	0.746	0.78
	5GNR-n41	DFT-S QPSK100M	Top Side	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	0.07	0.476	0.50
	5GNR-n41	DFT-S QPSK100M	Bottom Side	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	0	<0.001	0.00
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	135	69	Ant 2	-	1.00	24.00	23.62	1.09	0.17	0.732	0.80
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	518598	135	69	Ant 2	-	1.00	24.00	23.62	1.09	0.04	0.705	0.77
	5GNR-n41	DFT-S QPSK100M	Left Side	10	518598	135	69	Ant 2	-	1.00	24.00	23.62	1.09	0.04	0.042	0.05
	5GNR-n41	DFT-S QPSK100M	Right Side	10	518598	135	69	Ant 2	-	1.00	24.00	23.62	1.09	-0.08	0.691	0.75
	5GNR-n41	DFT-S QPSK100M	Top Side	10	518598	135	69	Ant 2	-	1.00	24.00	23.62	1.09	-0.05	0.391	0.43
	5GNR-n41	DFT-S QPSK100M	Bottom Side	10	518598	135	69	Ant 2	-	1.00	24.00	23.62	1.09	0	<0.001	0.00
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	270	0	Ant 2	-	1.00	23.00	22.95	1.01	-0.01	0.632	0.64
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	518598	270	0	Ant 2	-	1.00	23.00	22.95	1.01	-0.06	0.615	0.62
	5GNR-n41	DFT-S QPSK100M	Front Face	10	509202	1	1	Ant 2	-	1.00	24.00	23.61	1.09	0.09	0.691	0.75
	5GNR-n41	DFT-S QPSK100M	Front Face	10	513900	1	1	Ant 2	-	1.00	24.00	23.58	1.10	-0.03	0.856	0.94
	5GNR-n41	DFT-S QPSK100M	Front Face	10	523302	1	1	Ant 2	-	1.00	24.00	23.81	1.04	-0.12	0.732	0.76
	5GNR-n41	DFT-S QPSK100M	Front Face	10	528000	1	1	Ant 2	-	1.00	24.00	23.79	1.05	-0.07	0.663	0.70
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	509202	1	1	Ant 2	-	1.00	24.00	23.61	1.09	0.06	0.61	0.66
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	513900	1	1	Ant 2	-	1.00	24.00	23.58	1.10	0.04	0.76	0.84
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	523302	1	1	Ant 2	-	1.00	24.00	23.81	1.04	-0.05	0.691	0.72
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	528000	1	1	Ant 2	-	1.00	24.00	23.79	1.05	-0.19	0.61	0.64
	5GNR-n41	DFT-S QPSK100M	Front Face	10	509202	135	69	Ant 2	-	1.00	24.00	23.35	1.16	-0.18	0.649	0.75
	5GNR-n41	DFT-S QPSK100M	Front Face	10	513900	135	69	Ant 2	-	1.00	24.00	23.32	1.17	-0.03	0.628	0.73
	5GNR-n41	DFT-S QPSK100M	Front Face	10	523302	135	69	Ant 2	-	1.00	24.00	23.62	1.09	0.05	0.56	0.61
	5GNR-n41	DFT-S QPSK100M	Front Face	10	528000	135	69	Ant 2	-	1.00	24.00	23.59	1.10	0.02	0.485	0.53
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	1	1	Ant 2	-	1.00	24.00	23.84	1.04	-0.18	0.888	0.92

Hotspot SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
For EN-DC																
25	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	-0.18	0.911	0.47
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	0.14	0.876	0.46
	5GNR-n41	DFT-S QPSK100M	Left Side	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	-0.15	0.053	0.03
	5GNR-n41	DFT-S QPSK100M	Right Side	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	-0.11	0.746	0.39
	5GNR-n41	DFT-S QPSK100M	Top Side	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	0.07	0.476	0.25
	5GNR-n41	DFT-S QPSK100M	Bottom Side	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	0	<0.001	0.00
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	135	69	Ant 2	-	1.00	21.00	23.62	0.55	0.17	0.732	0.40
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	518598	135	69	Ant 2	-	1.00	21.00	23.62	0.55	0.04	0.705	0.39
	5GNR-n41	DFT-S QPSK100M	Left Side	10	518598	135	69	Ant 2	-	1.00	21.00	23.62	0.55	0.04	0.042	0.02
	5GNR-n41	DFT-S QPSK100M	Right Side	10	518598	135	69	Ant 2	-	1.00	21.00	23.62	0.55	-0.08	0.691	0.38
	5GNR-n41	DFT-S QPSK100M	Top Side	10	518598	135	69	Ant 2	-	1.00	21.00	23.62	0.55	-0.05	0.391	0.22
	5GNR-n41	DFT-S QPSK100M	Bottom Side	10	518598	135	69	Ant 2	-	1.00	21.00	23.62	0.55	0	<0.001	0.00
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	270	0	Ant 2	-	1.00	20.00	22.95	0.51	-0.01	0.632	0.32
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	518598	270	0	Ant 2	-	1.00	20.00	22.95	0.51	-0.06	0.615	0.31
	5GNR-n41	DFT-S QPSK100M	Front Face	10	509202	1	1	Ant 2	-	1.00	21.00	23.61	0.55	0.09	0.691	0.38
	5GNR-n41	DFT-S QPSK100M	Front Face	10	513900	1	1	Ant 2	-	1.00	21.00	23.58	0.55	-0.03	0.856	0.47
	5GNR-n41	DFT-S QPSK100M	Front Face	10	523302	1	1	Ant 2	-	1.00	21.00	23.81	0.52	-0.12	0.732	0.38
	5GNR-n41	DFT-S QPSK100M	Front Face	10	528000	1	1	Ant 2	-	1.00	21.00	23.79	0.53	-0.07	0.663	0.35
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	509202	1	1	Ant 2	-	1.00	21.00	23.61	0.55	0.06	0.61	0.34
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	513900	1	1	Ant 2	-	1.00	21.00	23.58	0.55	0.04	0.76	0.42
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	523302	1	1	Ant 2	-	1.00	21.00	23.81	0.52	-0.05	0.691	0.36
	5GNR-n41	DFT-S QPSK100M	Rear Face	10	528000	1	1	Ant 2	-	1.00	21.00	23.79	0.53	-0.19	0.61	0.32
	5GNR-n41	DFT-S QPSK100M	Front Face	10	509202	135	69	Ant 2	-	1.00	21.00	23.35	0.58	-0.18	0.649	0.38
	5GNR-n41	DFT-S QPSK100M	Front Face	10	513900	135	69	Ant 2	-	1.00	21.00	23.32	0.59	-0.03	0.628	0.37
	5GNR-n41	DFT-S QPSK100M	Front Face	10	523302	135	69	Ant 2	-	1.00	21.00	23.62	0.55	0.05	0.56	0.31
	5GNR-n41	DFT-S QPSK100M	Front Face	10	528000	135	69	Ant 2	-	1.00	21.00	23.59	0.55	0.02	0.485	0.27
	5GNR-n41	DFT-S QPSK100M	Front Face	10	518598	1	1	Ant 2	-	1.00	21.00	23.84	0.52	-0.18	0.888	0.46

Hotspot SAR Test Result																
System & Position								DUT & Accessory		SAR						
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
									-	1.00	-	-	1		-	-
26	5G NR-n66	DFT-S QPSK40M	Front Face	10	352000	1	1	Ant 1	-	1.00	21.00	23.99	0.50	0.03	0.938	0.47
	5G NR-n66	DFT-S QPSK40M	Front Face	10	346000	1	1	Ant 1	-	1.00	21.00	23.61	0.55	0.01	0.795	0.44
	5G NR-n66	DFT-S QPSK40M	Front Face	10	349000	1	1	Ant 1	-	1.00	21.00	23.86	0.52	-0.11	0.756	0.39
	5G NR-n66	DFT-S QPSK40M	Front Face	10	352000	1	1	Ant 1	-	1.00	21.00	23.99	0.50	0.02	0.933	0.47
									-	1.00	-	-	1		-	-
27	5G NR-n66	DFT-S QPSK40M	Front Face	10	349000	108	54	Ant 2	-	1.00	21.00	23.86	0.52	-0.01	0.908	0.47
	5G NR-n66	DFT-S QPSK40M	Front Face	10	349000	108	54	Ant 2	-	1.00	21.00	23.86	0.52	-0.11	0.905	0.47
									-	1.00	-	-	1		-	-
28	5G NR-n71	DFT-S QPSK20M	Front Face	10	134600	1	1	Ant 1	-	1.00	21.00	23.93	0.51	-0.06	0.834	0.43
	5G NR-n71	DFT-S QPSK20M	Front Face	10	136100	1	1	Ant 1	-	1.00	21.00	23.40	0.58	-0.06	0.674	0.39
	5G NR-n71	DFT-S QPSK20M	Front Face	10	137600	1	1	Ant 1	-	1.00	21.00	23.12	0.61	0.11	0.691	0.42
	5G NR-n71	DFT-S QPSK20M	Front Face	10	134600	1	1	Ant 1	-	1.00	21.00	23.93	0.51	-0.05	0.817	0.42
									-	1.00	-	-	1		-	-
	5G NR-n77	DFT-S QPSK100M	Front Face	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	0.02	0.869	0.88
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	-0.16	1.12	1.13
	5G NR-n77	DFT-S QPSK100M	Left Side	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	0.11	0.282	0.28
	5G NR-n77	DFT-S QPSK100M	Right Side	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	0.18	0.337	0.34
	5G NR-n77	DFT-S QPSK100M	Top Side	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	0.06	0.456	0.46
	5G NR-n77	DFT-S QPSK100M	Bottom Side	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	-0.09	0.148	0.15
	5G NR-n77	DFT-S QPSK100M	Front Face	10	659000	135	69	Ant 2	-	1.00	24.00	23.95	1.01	0.01	0.748	0.76
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	135	69	Ant 2	-	1.00	24.00	23.95	1.01	-0.04	1.01	1.02
	5G NR-n77	DFT-S QPSK100M	Left Side	10	659000	135	69	Ant 2	-	1.00	24.00	23.95	1.01	-0.11	0.278	0.28
	5G NR-n77	DFT-S QPSK100M	Right Side	10	659000	135	69	Ant 2	-	1.00	24.00	23.95	1.01	0.07	0.296	0.30
	5G NR-n77	DFT-S QPSK100M	Top Side	10	659000	135	69	Ant 2	-	1.00	24.00	23.95	1.01	-0.1	0.423	0.43
	5G NR-n77	DFT-S QPSK100M	Bottom Side	10	659000	135	69	Ant 2	-	1.00	24.00	23.95	1.01	0.01	0.137	0.14
	5G NR-n77	DFT-S QPSK100M	Front Face	10	659000	270	0	Ant 2	-	1.00	23.00	22.81	1.04	-0.1	0.846	0.88
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	270	0	Ant 2	-	1.00	23.00	22.81	1.04	-0.13	1.01	1.05
	5G NR-n77	DFT-S QPSK100M	Front Face	10	650000	1	1	Ant 2	-	1.00	24.00	23.12	1.22	0.05	0.665	0.81
	5G NR-n77	DFT-S QPSK100M	Front Face	10	653000	1	1	Ant 2	-	1.00	24.00	23.74	1.06	-0.16	0.853	0.90
	5G NR-n77	DFT-S QPSK100M	Front Face	10	656000	1	1	Ant 2	-	1.00	24.00	23.77	1.05	-0.03	0.773	0.81
	5G NR-n77	DFT-S QPSK100M	Front Face	10	662000	1	1	Ant 2	-	1.00	24.00	23.62	1.09	0.18	0.753	0.82
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	650000	1	1	Ant 2	-	1.00	24.00	23.12	1.22	-0.1	0.901	1.10
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	653000	1	1	Ant 2	-	1.00	24.00	23.74	1.06	-0.09	1.02	1.08
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	656000	1	1	Ant 2	-	1.00	24.00	23.77	1.05	0.13	0.947	0.99
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	662000	1	1	Ant 2	-	1.00	24.00	23.62	1.09	0.19	0.986	1.07
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	650000	135	69	Ant 2	-	1.00	24.00	23.72	1.07	0.07	0.877	0.94
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	653000	135	69	Ant 2	-	1.00	24.00	23.69	1.07	-0.15	0.995	1.06
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	656000	135	69	Ant 2	-	1.00	24.00	23.88	1.03	0.16	0.932	0.96
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	662000	135	69	Ant 2	-	1.00	24.00	23.81	1.04	0.13	0.955	0.99
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	1	1	Ant 2	-	1.00	24.00	23.97	1.01	0.11	1.09	1.10

Hotspot SAR Test Result																
System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	For EN-DC															
	5G NR-n77	DFT-S QPSK100M	Front Face	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	0.02	0.869	0.43
29	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	-0.16	1.12	0.56
	5G NR-n77	DFT-S QPSK100M	Left Side	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	0.11	0.282	0.14
	5G NR-n77	DFT-S QPSK100M	Right Side	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	0.18	0.337	0.17
	5G NR-n77	DFT-S QPSK100M	Top Side	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	0.06	0.456	0.23
	5G NR-n77	DFT-S QPSK100M	Bottom Side	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	-0.09	0.148	0.07
	5G NR-n77	DFT-S QPSK100M	Front Face	10	659000	135	69	Ant 2	-	1.00	21.00	23.95	0.51	0.01	0.748	0.38
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	135	69	Ant 2	-	1.00	21.00	23.95	0.51	-0.04	1.01	0.52
	5G NR-n77	DFT-S QPSK100M	Left Side	10	659000	135	69	Ant 2	-	1.00	21.00	23.95	0.51	-0.11	0.278	0.14
	5G NR-n77	DFT-S QPSK100M	Right Side	10	659000	135	69	Ant 2	-	1.00	21.00	23.95	0.51	0.07	0.296	0.15
	5G NR-n77	DFT-S QPSK100M	Top Side	10	659000	135	69	Ant 2	-	1.00	21.00	23.95	0.51	-0.1	0.423	0.22
	5G NR-n77	DFT-S QPSK100M	Bottom Side	10	659000	135	69	Ant 2	-	1.00	21.00	23.95	0.51	0.01	0.137	0.07
	5G NR-n77	DFT-S QPSK100M	Front Face	10	659000	270	0	Ant 2	-	1.00	20.00	22.81	0.52	-0.1	0.846	0.44
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	270	0	Ant 2	-	1.00	20.00	22.81	0.52	-0.13	1.01	0.53
	5G NR-n77	DFT-S QPSK100M	Front Face	10	650000	1	1	Ant 2	-	1.00	21.00	23.12	0.61	0.05	0.665	0.41
	5G NR-n77	DFT-S QPSK100M	Front Face	10	653000	1	1	Ant 2	-	1.00	21.00	23.74	0.53	-0.16	0.853	0.45
	5G NR-n77	DFT-S QPSK100M	Front Face	10	656000	1	1	Ant 2	-	1.00	21.00	23.77	0.53	-0.03	0.773	0.41
	5G NR-n77	DFT-S QPSK100M	Front Face	10	662000	1	1	Ant 2	-	1.00	21.00	23.62	0.55	0.18	0.753	0.41
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	650000	1	1	Ant 2	-	1.00	21.00	23.12	0.61	-0.1	0.901	0.55
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	653000	1	1	Ant 2	-	1.00	21.00	23.74	0.53	-0.09	1.02	0.54
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	656000	1	1	Ant 2	-	1.00	21.00	23.77	0.53	0.13	0.947	0.50
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	662000	1	1	Ant 2	-	1.00	21.00	23.62	0.55	0.19	0.986	0.54
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	650000	135	69	Ant 2	-	1.00	21.00	23.72	0.53	0.07	0.877	0.46
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	653000	135	69	Ant 2	-	1.00	21.00	23.69	0.54	-0.15	0.995	0.54
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	656000	135	69	Ant 2	-	1.00	21.00	23.88	0.52	0.16	0.932	0.48
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	662000	135	69	Ant 2	-	1.00	21.00	23.81	0.52	0.13	0.955	0.50
	5G NR-n77	DFT-S QPSK100M	Rear Face	10	659000	1	1	Ant 2	-	1.00	21.00	23.97	0.50	0.11	1.09	0.55
									-	1.00	-	-	1		-	-

Hotspot SAR Test Result																
System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RBoffset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
30	WLAN2.4G	802.11b	Right Side	10	11			Ant 4	100.00	1.00	10.00	9.93	1.02	-0.03	0.1	0.10
									-	1.00	-	-	1		-	-
31	WLAN5.2G	802.11ac VHT80	Front Face	10	42			Ant 4	99.80	1.00	10.00	9.88	1.03	-0.02	0.088	0.09
									-	1.00	-	-	1		-	-
32	WLAN5.8G	802.11ac VHT80	Front Face	10	155			Ant 4	99.80	1.00	10.00	9.83	1.04	-0.01	0.189	0.20