

## **Annex D. Maximum Target Conducted Power**

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

WCDMA Max. Tune-up Power (Full)		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	24.5	24.5
WCDMA Band IV	24.5	24.5
WCDMA Band V	24.5	24.5

LTE Max. Tune-up Power (Full)				
Mode	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
LTE 2	24.0	23.0	22.0	19.0
LTE 4	24.0	23.0	22.0	19.0
LTE 5	25.0	24.0	23.0	20.0
LTE 7	24.0	23.0	22.0	19.0
LTE 12	25.0	24.0	23.0	20.0
LTE 13	25.0	24.0	23.0	20.0
LTE 14	25.0	24.0	23.0	20.0
LTE 17	25.0	24.0	23.0	20.0
LTE 25	24.0	23.0	22.0	19.0
LTE 26	25.0	24.0	23.0	20.0
LTE 30	23.0	22.0	21.0	18.0
LTE 38	24.0	23.0	22.0	19.0
LTE 41	24.0	23.0	22.0	19.0
LTE 41 ( PC2 - HPUE )	27.0	26.0	25.0	22.0
LTE 48	22.0	21.0	20.0	17.0
LTE 66	24.0	23.0	22.0	19.0

5G NR Max. Tune-up Power (Full)					
DFT-S Mode	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power				
NR 2 - SA	24.0	24.0	23.0	21.5	19.5
NR 2 - NSA	24.0	24.0	23.0	21.5	19.5
NR 5 - SA	25.0	25.0	24.0	22.5	20.5
NR 5 - NSA	25.0	25.0	24.0	22.5	20.5
NR 7 - SA	24.0	24.0	23.0	21.5	19.5
NR 25 - SA	24.0	24.0	23.0	21.5	19.5
NR 30 - SA	23.0	23.0	22.0	20.5	18.5
NR 38 - SA	24.0	24.0	23.0	21.5	19.5
NR 41 - SA	24.0	24.0	23.0	21.5	19.5
NR 41 -SA ( PC2 - HPUE )	27.0	27.0	26.0	24.5	22.5
NR 41 -NSA	24.0	24.0	23.0	21.5	19.5
NR 66 - SA	24.0	24.0	23.0	21.5	19.5
NR 66 - NSA	24.0	24.0	23.0	21.5	19.5
NR 77 - SA	24.0	24.0	23.0	21.5	19.5
NR 77 -SA ( PC2 - HPUE )	27.0	27.0	26.0	24.5	22.5
NR 77 - NSA	24.0	24.0	23.0	21.5	19.5
NR 78 - SA	24.0	24.0	23.0	21.5	19.5
NR 78 -SA ( PC2 - HPUE )	27.0	27.0	26.0	24.5	22.5
NR 78 - NSA	24.0	24.0	23.0	21.5	19.5

5G NR Max. Tune-up Power (Full)				
CP Mode	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
NR 2 - SA	22.5	22.0	20.5	17.5
NR 2 - NSA	22.5	22.0	20.5	17.5
NR 5 - SA	23.5	23.0	21.5	18.5
NR 5 - NSA	23.5	23.0	21.5	18.5
NR 7 - SA	22.5	22.0	20.5	17.5
NR 25 - SA	22.5	22.0	20.5	17.5
NR 30 - SA	21.5	21.0	19.5	16.5
NR 38 - SA	22.5	22.0	20.5	17.5
NR 41 -SA	22.5	22.0	20.5	17.5
NR 41 -SA ( PC2 - HPUE )	25.5	25.0	23.5	20.5
NR 41 -NSA	22.5	22.0	20.5	17.5
NR 66 - SA	22.5	22.0	20.5	17.5
NR 66 - NSA	22.5	22.0	20.5	17.5
NR 77 - SA	22.5	22.0	20.5	17.5
NR 77 -SA ( PC2 - HPUE )	25.5	25.0	23.5	20.5
NR 77 - NSA	22.5	22.0	20.5	17.5
NR 78 - SA	22.5	22.0	20.5	17.5
NR 78 -SA ( PC2 - HPUE )	25.5	25.0	23.5	20.5
NR 78 - NSA	22.5	22.0	20.5	17.5

WCDMA Max. Tune-up Power (Reduction) - Tablet		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	10.5	10.5
WCDMA Band IV	11.5	11.5
WCDMA Band V	18.0	18.0

LTE Max. Tune-up Power (Reduction) - Tablet				
Mode	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
LTE 2	13.5	13.5	13.5	13.5
LTE 4	13.5	13.5	13.5	13.5
LTE 5	18.0	18.0	18.0	18.0
LTE 7	12.0	12.0	12.0	12.0
LTE 12	16.5	16.5	16.5	16.5
LTE 13	16.5	16.5	16.5	16.5
LTE 14	17.0	17.0	17.0	17.0
LTE 17	16.5	16.5	16.5	16.5
LTE 25	13.5	13.5	13.5	13.5
LTE 26	18.0	18.0	18.0	18.0
LTE 30	12.5	12.5	12.5	12.5
LTE 38	13.0	13.0	13.0	13.0
LTE 41	13.0	13.0	13.0	13.0
LTE 48	12.0	12.0	12.0	12.0
LTE 66	13.5	13.5	13.5	13.5

### 5G NR Max. Tune-up Power (Reduction) - Tablet

DFT-S Mode	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power				
NR 2 - SA	13.0	13.0	13.0	13.0	13.0
NR 2 - NSA	13.0	13.0	13.0	13.0	13.0
NR 5 - SA	17.0	17.0	17.0	17.0	17.0
NR 5 - NSA	17.0	17.0	17.0	17.0	17.0
NR 7 - SA	11.5	11.5	11.5	11.5	11.5
NR 25 - SA	11.5	11.5	11.5	11.5	11.5
NR 30 - SA	12.5	12.5	12.5	12.5	12.5
NR 38 - SA	14.0	14.0	14.0	14.0	14.0
NR 41 - SA	12.5	12.5	12.5	12.5	12.5
NR 41 - NSA	12.5	12.5	12.5	12.5	12.5
NR 66 - SA	13.0	13.0	13.0	13.0	13.0
NR 66 - NSA	13.0	13.0	13.0	13.0	13.0
NR 77 - SA	7.0	7.0	7.0	7.0	7.0
NR 77 - NSA	7.0	7.0	7.0	7.0	7.0
NR 78 - SA	8.0	8.0	8.0	8.0	8.0
NR 78 - NSA	8.0	8.0	8.0	8.0	8.0

5G NR Max. Tune-up Power (Reduction) - Tablet				
CP Mode	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
NR 2 - SA	13.0	12.5	13.0	13.0
NR 2 - NSA	13.0	13.0	13.0	13.0
NR 5 - SA	17.0	17.0	17.0	17.0
NR 5 - NSA	17.0	17.0	17.0	17.0
NR 7 - SA	11.5	11.5	11.5	11.5
NR 25 - SA	11.5	11.5	11.5	11.5
NR 30 - SA	12.5	12.5	12.5	12.5
NR 38 - SA	14.0	14.0	14.0	14.0
NR 41 -SA	12.5	12.5	12.5	12.5
NR 41 -NSA	12.5	12.5	12.5	12.5
NR 66 - SA	13.0	13.0	13.0	13.0
NR 66 - NSA	13.0	13.0	13.0	13.0
NR 77 - SA	7.0	7.0	7.0	7.0
NR 77 - NSA	7.0	7.0	7.0	7.0
NR 78 - SA	8.0	8.0	8.0	8.0
NR 78 - NSA	8.0	8.0	8.0	8.0

WCDMA Max. Tune-up Power (Reduction) - Laptop		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	14.5	14.5
WCDMA Band IV	16.0	16.0
WCDMA Band V	20.0	20.0

LTE Max. Tune-up Power (Reduction) - Laptop				
Mode	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
LTE 2	15.5	15.5	15.5	15.5
LTE 4	16.0	16.0	16.0	16.0
LTE 5	19.5	19.5	19.5	19.5
LTE 7	16.0	16.0	16.0	16.0
LTE 12	23.0	23.0	23.0	20.0
LTE 13	19.5	19.5	19.5	19.5
LTE 14	19.5	19.5	19.5	19.5
LTE 17	23.0	23.0	23.0	20.0
LTE 25	15.5	15.5	15.5	15.5
LTE 26	19.5	19.5	19.5	19.5
LTE 30	16.5	16.5	16.5	16.5
LTE 38	19.0	19.0	19.0	19.0
LTE 41	18.5	18.5	18.5	18.5
LTE 48	19.0	19.0	19.0	19.0
LTE 66	16.0	16.0	16.0	16.0

### 5G NR Max. Tune-up Power (Reduction) - Laptop

DFT-S Mode	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power				
NR 2 - SA	16.0	16.0	16.0	16.0	16.0
NR 2 - NSA	16.0	16.0	16.0	16.0	16.0
NR 5 - SA	20.0	20.0	20.0	20.0	20.0
NR 5 - NSA	20.0	20.0	20.0	20.0	20.0
NR 7 - SA	16.0	16.0	16.0	16.0	16.0
NR 25 - SA	15.5	15.5	15.5	15.5	15.5
NR 30 - SA	15.5	15.5	15.5	15.5	15.5
NR 38 - SA	17.0	17.0	17.0	17.0	17.0
NR 41 - SA	16.0	16.0	16.0	16.0	16.0
NR 41 - NSA	16.0	16.0	16.0	16.0	16.0
NR 66 - SA	17.5	17.5	17.5	17.5	17.5
NR 66 - NSA	17.5	17.5	17.5	17.5	17.5
NR 77 - SA	14.5	14.5	14.5	14.5	14.5
NR 77 - NSA	14.5	14.5	14.5	14.5	14.5
NR 78 - SA	14.5	14.5	14.5	14.5	14.5
NR 78 - NSA	14.5	14.5	14.5	14.5	14.5

5G NR Max. Tune-up Power (Reduction) - Laptop				
CP Mode	QPSK	16QAM	64QAM	256QAM
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
NR 2 - SA	16.0	16.0	16.0	16.0
NR 2 - NSA	16.0	16.0	16.0	16.0
NR 5 - SA	20.0	20.0	20.0	20.0
NR 5 - NSA	20.0	20.0	20.0	20.0
NR 7 - SA	16.0	16.0	16.0	16.0
NR 25 - SA	15.5	15.5	15.5	15.5
NR 30 - SA	15.5	15.5	15.5	15.5
NR 38 - SA	17.0	17.0	17.0	17.0
NR 41 -SA	16.0	16.0	16.0	16.0
NR 41 -NSA	16.0	16.0	16.0	16.0
NR 66 - SA	17.5	17.5	17.5	17.5
NR 66 - NSA	17.5	17.5	17.5	17.5
NR 77 - SA	14.5	14.5	14.5	14.5
NR 77 - NSA	14.5	14.5	14.5	14.5
NR 78 - SA	14.5	14.5	14.5	14.5
NR 78 - NSA	14.5	14.5	14.5	14.5

WLAN Tune-up Power (Full)							
WLAN 2.4GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11b	1	2412	15.0	15.0	-	-	-
	6	2437	15.0	15.0	-	-	-
	11	2462	15.0	15.0	-	-	-
	12	2467	15.0	15.0	-	-	-
	13	2472	15.0	15.0	-	-	-
802.11g	1	2412	15.0	15.0	-	-	-
	6	2437	15.0	15.0	-	-	-
	11	2462	15.0	15.0	-	-	-
	12	2467	15.0	15.0	-	-	-
	13	2472	1.5	1.5	-	-	-
802.11n HT20	1	2412	15.0	15.0	14.0	14.0	17.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	11	2462	15.0	15.0	15.0	15.0	18.0
	12	2467	15.0	15.0	12.0	12.0	15.0
	13	2472	1.5	1.5	-1.5	-1.5	1.5
802.11n HT40	3	2422	15.0	15.0	13.5	13.5	16.5
	6	2437	15.0	15.0	14.5	14.5	17.5
	9	2452	14.5	15.0	13.0	13.0	16.0
	10	2457	12.5	12.5	9.5	9.5	12.5
	11	2462	5.0	5.0	2.0	2.0	5.0
802.11ax HE20	1	2412	15.0	15.0	14.0	14.0	17.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	11	2462	15.0	15.0	15.0	15.0	18.0
	12	2467	15.0	15.0	12.0	12.0	15.0
	13	2472	1.5	1.5	-1.5	-1.5	1.5
802.11ax HE40	3	2422	15.0	15.0	13.5	13.5	16.5
	6	2437	15.0	15.0	14.5	14.5	17.5
	9	2452	15.0	15.0	13.0	13.0	16.0
	10	2457	12.5	12.5	9.5	9.5	12.5
	11	2462	5.0	5.0	2.0	2.0	5.0

**WLAN Tune-up Power (Full)****Bluetooth**

Mode	Channel	Frequency	Ant 1 Max Tune-up
BR / EDR	0	2402	9.5
	39	2441	9.5
	78	2480	9.5
LE	0	2402	7.0
	19	2440	7.0
	39	2480	7.0

WLAN Tune-up Power (Full)							
WLAN 5.2GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	36	5180	10.5	10.5	-	-	-
	40	5200	10.5	10.5	-	-	-
	44	5220	10.5	10.5	-	-	-
	48	5240	10.5	10.5	10.5	10.5	13.5
802.11n HT20	36	5180	10.5	10.5	10.5	10.5	13.5
	40	5200	10.5	10.5	10.5	10.5	13.5
	44	5220	10.5	10.5	10.5	10.5	13.5
	48	5240	10.5	10.5	10.5	10.5	13.5
802.11n HT40	38	5190	10.5	10.5	10.5	10.5	13.5
	46	5230	10.5	10.5	10.5	10.5	13.5
802.11ac VHT80	42	5210	10.5	10.5	10.5	10.5	13.5
802.11ax HE20	36	5180	10.5	10.5	10.5	10.5	13.5
	40	5200	10.5	10.5	10.5	10.5	13.5
	44	5220	10.5	10.5	10.5	10.5	13.5
	48	5240	10.5	10.5	10.5	10.5	13.5
802.11ax HE40	38	5190	10.5	10.5	10.5	10.5	13.5
	46	5230	10.5	10.5	10.5	10.5	13.5
802.11ax HE80	42	5210	10.5	10.5	10.5	10.5	13.5

WLAN Tune-up Power (Full)							
WLAN 5.3GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	52	5260	10.5	10.5	-	-	-
	56	5280	10.5	10.5	-	-	-
	60	5300	10.5	10.5	-	-	-
	64	5320	10.5	10.5	10.5	10.5	13.5
802.11n HT20	52	5260	10.5	10.5	10.5	10.5	13.5
	56	5280	10.5	10.5	10.5	10.5	13.5
	60	5300	10.5	10.5	10.5	10.5	13.5
	64	5320	10.5	10.5	10.5	10.5	13.5
802.11n HT40	54	5270	10.5	10.5	10.5	10.5	13.5
	62	5310	10.5	10.5	10.5	10.5	13.5
802.11ac VHT80	58	5290	10.5	10.5	10.5	10.5	13.5
802.11ac VHT160	50	5250	10.0	10.0	10.5	10.5	13.0
802.11ax HE20	52	5260	10.5	10.5	10.5	10.5	13.5
	56	5280	10.5	10.5	10.5	10.5	13.5
	60	5300	10.5	10.5	10.5	10.5	13.5
	64	5320	10.5	10.5	10.5	10.5	13.5
802.11ax HE40	54	5270	10.5	10.5	10.5	10.5	13.5
	62	5310	10.5	10.5	10.5	10.5	13.5
802.11ax HE80	58	5290	10.5	10.5	10.5	10.5	13.5
802.11ax HE160	50	5250	10.5	10.5	10.5	10.5	13.5

WLAN Tune-up Power (Full)							
WLAN 5.6GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	100	5500	10.5	10.5	-	-	-
	116	5580	10.5	10.5	-	-	-
	120	5600	10.5	10.5	-	-	-
	124	5620	10.5	10.5	-	-	-
	132	5660	10.5	10.5	-	-	-
	140	5700	10.5	10.5	-	-	-
802.11n HT20	100	5500	10.5	10.5	10.5	10.5	13.5
	116	5580	10.5	10.5	10.5	10.5	13.5
	120	5600	10.5	10.5	10.5	10.5	13.5
	124	5620	10.5	10.5	10.5	10.5	13.5
	132	5660	10.5	10.5	10.5	10.5	13.5
	140	5700	10.5	10.5	10.5	10.5	13.5
	144	5720	10.5	10.5	10.5	10.5	13.5
802.11n HT40	102	5510	10.5	10.5	10.5	10.5	13.5
	110	5550	10.5	10.5	10.5	10.5	13.5
	118	5590	10.5	10.5	10.5	10.5	13.5
	126	5630	10.5	10.5	10.5	10.5	13.5
	134	5670	10.5	10.5	10.5	10.5	13.5
	142	5710	10.5	10.5	10.5	10.5	13.5
802.11ac VHT80	106	5530	10.5	10.5	10.5	10.5	13.5
	122	5610	10.5	10.5	10.5	10.5	13.5
	138	5690	10.5	10.5	10.5	10.5	13.5
802.11ac VHT160	114	5570	10.5	10.5	10.5	10.5	13.5
802.11ax HE20	100	5500	10.5	10.5	10.5	10.5	13.5
	116	5580	10.5	10.5	10.5	10.5	13.5
	120	5600	10.5	10.5	10.5	10.5	13.5
	124	5620	10.5	10.5	10.5	10.5	13.5
	132	5660	10.5	10.5	10.5	10.5	13.5
	140	5700	10.5	10.5	10.5	10.5	13.5
	144	5720	10.5	10.5	10.5	10.5	13.5
802.11ax HE40	102	5510	10.5	10.5	10.5	10.5	13.5
	110	5550	10.5	10.5	10.5	10.5	13.5
	118	5590	10.5	10.5	10.5	10.5	13.5
	126	5630	10.5	10.5	10.5	10.5	13.5
	134	5670	10.5	10.5	10.5	10.5	13.5
	142	5710	10.5	10.5	10.5	10.5	13.5
802.11ax HE80	106	5530	10.5	10.5	10.5	10.5	13.5
	122	5610	10.5	10.5	10.5	10.5	13.5
	138	5690	10.5	10.5	10.5	10.5	13.5
802.11ax HE160	114	5570	10.5	10.5	10.5	10.5	13.5

WLAN Tune-up Power (Full)							
WLAN 5.8GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	149	5745	10.5	10.5	-	-	-
	153	5765	10.5	10.5	-	-	-
	157	5785	10.5	10.5	-	-	-
	161	5805	10.5	10.5	-	-	-
	165	5825	10.5	10.5	-	-	-
802.11n HT20	149	5745	10.5	10.5	10.5	10.5	13.5
	153	5765	10.5	10.5	10.5	10.5	13.5
	157	5785	10.5	10.5	10.5	10.5	13.5
	161	5805	10.5	10.5	10.5	10.5	13.5
	165	5825	10.5	10.5	10.5	10.5	13.5
802.11n HT40	151	5755	10.5	10.5	10.5	10.5	13.5
	159	5795	10.5	10.5	10.5	10.5	13.5
802.11ac VHT80	155	5775	10.5	10.5	10.5	10.5	13.5
802.11ax HE20	149	5745	10.5	10.5	10.5	10.5	13.5
	153	5765	10.5	10.5	10.5	10.5	13.5
	157	5785	10.5	10.5	10.5	10.5	13.5
	161	5805	10.5	10.5	10.5	10.5	13.5
	165	5825	10.5	10.5	10.5	10.5	13.5
802.11ax HE40	151	5755	10.5	10.5	10.5	10.5	13.5
	159	5795	10.5	10.5	10.5	10.5	13.5
802.11ax HE80	155	5775	10.5	10.5	10.5	10.5	13.5