

MAXIMUM OUTPUT POWER

FCCID:	BCG-E8725A, BCG-E8726A, BCG-E8727A, BCG-E8728A
IC ID:	579C-E8725A, 579C-E8726A, 579C-E8727A, 579C-E8728A
Model Number/HVIN:	A3212, A3408, A3409, A3410
Date:	12/17/2024

Procedure

During manufacturing, each device is individually calibrated and the RF output levels are checked. The measurement is done on a fully calibrated setup.

The calibration is done setting the maximum levels in the following tables. With the battery fully charged, the transmitter conducted power levels, for all bands are measured.

The modulation and operation modes listed below have the maximum power levels for operations of the same bandwidth.

Maximum Output Power –Ant1/7

Bands	OBD: 0 Power Table	OBD: 1 Power Table	Maximum Power Table
	Maximum (dBm)	Maximum (dBm)	Maximum (dBm)
GMSK 1 Slot			
850	33.5	33.5	
1900	32	27.9	
GMSK 2 Slot			
850	32.5	32.5	
1900	31	24.9	
8PSK 1 Slot			
850	28	28	
1900	27	27	
8PSK 2 Slot			
850	27	27	
1900	26	24.9	
WCDMA			
Band 2	25	18.9	
Band 4	24.4	18.8	
Band 5	25.7	25.7	
LTE			
Band 2	25.1	18.9	
Band 4	25.7	18.8	
Band 5	25.7	25.7	
Band 7	25.6	20.2	
Band 12	25.7	25.7	
Band 13	25.7	25.7	
Band 14	25.7	25.7	
Band 17	25.7	25.7	
Band 25	25.1	18.9	
Band 26	25.7	25.7	
Band 30	25.7	22.1	
Band 38	25.7	23.1	
Band 41 (PC3)	25.7	23.1	
Band 41 (PC2)	28.7	23.1	
Band 48 Low channel	25.6	23.2	
Band 48 Mid channel	25.6	23.2	
Band 48 High channel	25.6	23.2	
Band 66	25.7	18.8	
Band 71	25.7	25.7	
Band 5 2CA	25.7	25.7	
Band 7 2CA	25.6	20.2	
Band 38 2CA	25.7	23.1	
Band 41 2CA (PC3)	25.7	23.1	
Band 41 2CA (PC2)	28.7	23.1	
Band 48 2CA	24.7	23.2	
Band 53	20.7	20.7	
L-Band	#N/A	#N/A	
NR1			
Band n2	25.5	18.9	

Band n5	25.7	25.7	
Band n7	25.7	20.2	
Band n12	25.7	25.7	
Band n14	25.7	25.7	
Band n25	25.5	18.9	
Band n26	25.7	25.7	
Band n30	25.7	22.1	
Band n38	25.7	21.1	
Band n41 (PC3)	25.7	21.1	
Band n41 (PC2)	27.9	21.1	
Band n48 Low Channel	24.5	21.2	
Band n48 Mid Channel	24.5	21.2	
Band n48 High Channel	24.5	21.2	
Band n53	20.7	20.7	
Band n66	25.4	18.8	
Band n70	25.3	18.8	
Band n71	25.7	25.7	
Band n77 (PC3)	23	18.2	
Band n77 (PC2)	23	18.2	
Band n78 (PC3)	22.9	20.4	
Band n78 (PC2)	22.9	20.4	

Maximum Output Power –Ant2/8-UHB

Bands	OBD: 0 Power Table	OBD: 1 Power Table	Maximum Power Table
	Maximum (dBm)	Maximum (dBm)	Maximum (dBm)
GMSK 1 Slot			
850	31.7	32.5	
1900	29.5	29.5	
GMSK 2 Slot			
850	28.7	31.5	
1900	26.2	26.5	
8PSK 1 Slot			
850	27	27	
1900	24.5	24.5	
8PSK 2 Slot			
850	26	26	
1900	23.5	23.5	
WCDMA			
Band 2	20.2	20.5	
Band 4	18.5	18.2	
Band 5	22.7	24.7	
LTE			
Band 2	20.2	20.5	
Band 4	19.2	18.6	
Band 5	22.7	24.7	
Band 7	17	18.1	
Band 12	24.4	24.7	
Band 13	22.9	24.7	
Band 14	22.9	24.7	
Band 17	24.4	24.7	
Band 25	20.2	20.5	
Band 26	22.7	24.7	
Band 30	19.6	18.4	
Band 38	19.5	20.4	
Band 41 (PC3)	19.5	20.4	
Band 41 (PC2)	19.5	20.4	
Band 48 Low channel	25.7	21.5	
Band 48 Mid channel	25.7	21.5	
Band 48 High channel	25.7	21.5	
Band 66	19.2	18.6	
Band 71	24.7	24.7	
Band 5 2CA	22.7	24.7	
Band 7 2CA	17	18.1	
Band 38 2CA	19.5	20.4	
Band 41 2CA (PC3)	19.5	20.4	
Band 41 2CA (PC2)	19.5	20.4	
Band 48 2CA	24.7	21.5	
Band 53	19.5	20.4	

NR1			
Band n2	20.2	20.5	
Band n5	22.7	24.7	
Band n7	17	18.1	
Band n12	24.2	24.7	
Band n14	22.9	24.7	
Band n25	20.2	20.5	
Band n26	22.7	24.7	
Band n30	19.6	18.4	
Band n38	17.5	18.4	
Band n41 (PC3)	17.5	18.4	
Band n41 (PC2)	17.5	18.4	
Band n48 Low Channel	23.7	19.5	
Band n48 Mid Channel	23.7	19.5	
Band n48 High Channel	23.7	19.5	
Band n53	17.5	18.4	
Band n66	19.2	18.6	
Band n70	19.2	18.6	
Band n71	24.7	24.7	
Band n77 (PC3)	22.8	19.3	
Band n77 (PC2)	22.8	19.3	
Band n78 (PC3)	23.3	19.7	
Band n78 (PC2)	23.3	19.7	

Maximum Output Power –Ant3/9

Bands	OBD: 0 Power Table	OBD: 1 Power Table	Maximum Power Table
	Maximum (dBm)	Maximum (dBm)	Maximum (dBm)
GMSK 1 Slot			
1900	31.5	30	
GMSK 2 Slot			
1900	30.5	27	
8PSK 1 Slot			
1900	26.5	26.5	
8PSK 2 Slot			
1900	25.5	25.5	
WCDMA			
Band 2	23.7	21	
Band 4	23.4	21.5	
LTE			
Band 2	23.7	21	
Band 4	23.4	21.3	
Band 7	22.3	20.3	
Band 25	23.7	21	
Band 30	23.2	21.5	
Band 38	25.7	22.6	
Band 41 (PC3)	25.7	22.6	
Band 41 (PC2)	27.3	22.6	
Band 48 Low channel	23.4	20.7	
Band 48 Mid channel	22.9	20.7	
Band 48 High channel	22.5	20.7	
Band 66	23.4	21.3	
Band 7 2CA	22.3	20.3	
Band 38 2CA	25.7	22.6	
Band 41 2CA (PC3)	25.7	22.6	
Band 41 2CA (PC2)	27.3	22.6	
Band 48 2CA Low Channel	23.4	20.7	
Band 48 2CA Mid Channel	22.9	20.7	
Band 48 2CA High Channel	22.5	20.7	
NR1			
Band n2	23.7	21	
Band n7	22.3	20.3	
Band n25	23.7	21	
Band n30	23.2	21.5	
Band n38	24.5	20.6	
Band n41 (PC3)	24.5	20.6	
Band n41 (PC2)	24.5	20.6	
Band n48 Low Channel	21.4	18.7	
Band n48 Mid Channel	21.4	18.7	
Band n48 High Channel	21.4	18.7	
Band n66	23.4	21.3	
Band n70	23.4	21.3	
Band n77 (PC3)	20.8	18.1	
Band n77 (PC2)	20.8	18.1	

Band n78 (PC3)	20.8	18.6	
Band n78 (PC2)	20.8	18.6	

Maximum Output Power –Ant4

Bands	OBD: 0 Power Table	OBD: 1 Power Table	Maximum Power Table
	Maximum (dBm)	Maximum (dBm)	Maximum (dBm)
GMSK 1 Slot			
1900	28	28	
GMSK 2 Slot			
1900	25	26.9	
8PSK 1 Slot			
1900	24	24	
8PSK 2 Slot			
1900	23	23	
WCDMA			
Band 2	19.2	20.8	
Band 4	19	20.9	
LTE			
Band 2	19	20.9	
Band 4	19.2	21	
Band 7	20.7	20.4	
Band 25	19	20.9	
Band 30	19.6	19.1	
Band 38	23.6	23.9	
Band 41 (PC3)	23.6	23.9	
Band 41 (PC2)	23.6	23.9	
Band 48 Low channel	19.7	21.6	
Band 48 Mid channel	19.7	21.6	
Band 48 High channel	19.7	21.6	
Band 66	19.2	21	
Band 7 2CA	20.7	20.4	
Band 38 2CA	23.6	23.9	
Band 41 2CA (PC3)	23.6	23.9	
Band 41 2CA (PC2)	23.6	23.9	
Band 48 2CA	19.7	21.6	
L-Band	#N/A	22.6	
NR1			
Band n2	18.8	20.9	
Band n7	20.7	20.4	
Band n25	18.8	20.9	
Band n30	19.6	19.1	
Band n38	21.6	21.9	
Band n41 (PC3)	21.6	21.9	
Band n41 (PC2)	21.6	21.9	
Band n48 Low Channel	17.7	19.6	
Band n48 Mid Channel	17.7	19.6	

Band n48 High Channel	17.7	19.6	
Band n66	19.2	21	
Band n70	19.2	21	
Band n77 (PC3)	18.1	19.5	
Band n77 (PC2)	18.1	19.5	
Band n78 (PC3)	17.4	18.9	
Band n78 (PC2)	17.4	18.9	

Revision Table

Version	Date	Description	DRI Name
V1.0	10/22/2024	Initial Template	Kanishk S
V1.1	10/28/2024	Updated simultaneous SAR tune-up	Vandita
V1.2	10/30/2024	Updated simultaneous SAR tune-up, Removed Pmax	Vandita