

Document reference:		PCB reference:						
		STEVAL-IDB005V1D						
Item	Quantity	Reference	Part	Note	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	+8 dBm
1	4	C1, C17, C20, C22	1u_0402_X5R	VBAT & SMPS OUT filter cap	SM/C_0402	Murata	GRM155R61A105KE15	1uF
2	6	C2, C16, C18, C19, C21, C23	100n_0402_X7R	VBAT filtering	SM/C_0402	Murata	GRM155R71C104KA88	100nF
3	2	C3, C15	100p_0402_C0G	VBAT filtering	SM/C_0402	Murata	GRM1555C1H101JZ01	100pF
4	1	C4	150n_0402_X5R	VREG filtering	SM/C_0402	Murata	GRM155R61A154KE19	150nF
5	2	C5, C6	22p_0402_C0G	XTAL-LS load cap	SM/C_0402	Murata	GRM1555C1H220JZ01	22pF
6	1	L1	TBD_0402	XTAL-HS filtering	SM/L_0402	Any	Any	R0
7	1	L2	TBD_0402	XTAL-HS filtering	SM/L_0402	Murata	LQG15HN2N0S02	2.0nH
8	2	C13, C14	TBD_0402_C0G	XTAL-HS load cap	SM/C_0402	Murata	GRM1555C1H150JZ01	15pF
9	1	D1	Soldered between pins 1 and 2	SMPS out inductor	SM/L_0805	Murata	LQM21FN100M70L	10uH
10	1	JP1	HEADER 1X3	Male Strip 1X3, 100 mils	WALCON.100/VH/T M2OE/W.325/10/M OD			
11	1	J1	THR 1.27 mm 2x5 pins	JTAG connector		SAMTEC	FTSH-105-01-F-D-K	
12	1	J2	RF_IN/OUT	SMA Jack Assembly, End Launch	SMA-LAT	Emerson	142-0701-881	
13	2	J3, J4	HEADER 5X2	Male Strip 2X5, 100 mils, BOTTOM MOUNT	WALCON.100/VH/T M2OE/W.325/10/M OD			
14	1	Q1	XTAL	XTAL-LS	NX3215SA	NDK	NX3215SA-32.768kHz-EXS00A-MU00003	32.768 kHz
15	1	Q2	XTAL	XTAL-HS	XTAL_32_25_REV2	NDK	NX3225SA -16.000MHz-EXS00A-CS05997	16 MHz
16	5	R1, R3, R4, R5, R6		Connect to Vdd, pull-down	SM/R_0402	Tyco Electronics		Not Assembly
17	1	R2	10k_0402	Connect to ground	SM/R_0402	Tyco Electronics		10k
18	2	R7, R9	100k_0402	Pull-up and pull-down	SM/R_0402	Tyco Electronics		100k
19	1	U1	BlueNRG-MS	RF IC	QFN32	STMicroelectronics	BLUENRG-MSQTR	
20	1	U2	HEADER 1X2	Male Strip 1X2, 100 mils	WALCON.100/VH/T M2OE/W.325/10/M OD			
21	1	U3	EEPROM	Memory	SO8N	STMicroelectronics	M95640-RMN6	
22	1	U4	Balun	Integrated balun		STMicroelectronics	BALF-NRG-01D3	
23	3	SOSCOUT, AUXADP, AUXADN	Test point	Test point	TP			Not Assembly