

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND25	QPSK/16-QAM	3MHz	VN	-20	1851.5	14.64	0.0079	2.5
				-10	1851.5	17.46	0.0094	2.5
				0	1851.5	14.42	0.0078	2.5
				10	1851.5	16.75	0.0090	2.5
				20	1851.5	17.51	0.0095	2.5
				30	1851.5	15.66	0.0085	2.5
				40	1851.5	17.39	0.0094	2.5
				50	1851.5	15.17	0.0082	2.5
			VL	20	1851.5	16.05	0.0087	2.5
			VH	20	1851.5	15.78	0.0085	2.5
			VN	-20	1882.5	16.74	0.0089	2.5
				-10	1882.5	16.15	0.0086	2.5
				0	1882.5	14.17	0.0075	2.5
				10	1882.5	13.98	0.0074	2.5
				20	1882.5	16.17	0.0086	2.5
				30	1882.5	16.23	0.0086	2.5
				40	1882.5	15.50	0.0082	2.5
				50	1882.5	16.06	0.0085	2.5
			VL	20	1882.5	15.74	0.0084	2.5
			VH	20	1882.5	16.60	0.0088	2.5
			VN	-20	1913.5	12.95	0.0068	2.5
				-10	1913.5	17.50	0.0091	2.5
				0	1913.5	15.36	0.0080	2.5
				10	1913.5	15.68	0.0082	2.5
				20	1913.5	16.54	0.0086	2.5
				30	1913.5	16.12	0.0084	2.5
				40	1913.5	16.22	0.0085	2.5
				50	1913.5	14.71	0.0077	2.5
			VL	20	1913.5	16.85	0.0088	2.5
			VH	20	1913.5	15.52	0.0081	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND25	QPSK/16-QAM	5MHz	VN	-20	1852.5	14.50	0.0078	2.5
				-10	1852.5	17.42	0.0094	2.5
				0	1852.5	14.99	0.0081	2.5
				10	1852.5	15.78	0.0085	2.5
				20	1852.5	16.65	0.0090	2.5
				30	1852.5	15.89	0.0086	2.5
				40	1852.5	15.93	0.0086	2.5
				50	1852.5	15.06	0.0081	2.5
			VL	20	1852.5	14.74	0.0080	2.5
			VH	20	1852.5	15.23	0.0082	2.5
			VN	-20	1882.5	15.00	0.0080	2.5
				-10	1882.5	17.64	0.0094	2.5
				0	1882.5	16.98	0.0090	2.5
				10	1882.5	13.70	0.0073	2.5
				20	1882.5	16.22	0.0086	2.5
				30	1882.5	16.88	0.0090	2.5
				40	1882.5	16.41	0.0087	2.5
				50	1882.5	16.12	0.0086	2.5
			VL	20	1882.5	18.04	0.0096	2.5
			VH	20	1882.5	16.67	0.0089	2.5
			VN	-20	1912.5	15.44	0.0081	2.5
				-10	1912.5	15.07	0.0079	2.5
				0	1912.5	14.21	0.0074	2.5
				10	1912.5	14.70	0.0077	2.5
				20	1912.5	15.05	0.0079	2.5
				30	1912.5	15.93	0.0083	2.5
				40	1912.5	16.25	0.0085	2.5
				50	1912.5	15.59	0.0081	2.5
			VL	20	1912.5	14.08	0.0074	2.5
			VH	20	1912.5	14.23	0.0074	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND25	QPSK/16-QAM	10MHz	VN	-20	1855.0	16.14	0.0087	2.5
				-10	1855.0	16.85	0.0091	2.5
				0	1855.0	15.18	0.0082	2.5
				10	1855.0	15.52	0.0084	2.5
				20	1855.0	16.37	0.0088	2.5
				30	1855.0	18.22	0.0098	2.5
				40	1855.0	14.76	0.0080	2.5
				50	1855.0	15.81	0.0085	2.5
			VL	20	1855.0	14.85	0.0080	2.5
			VH	20	1855.0	16.80	0.0091	2.5
			VN	-20	1882.5	15.33	0.0081	2.5
				-10	1882.5	16.23	0.0086	2.5
				0	1882.5	16.15	0.0086	2.5
				10	1882.5	15.25	0.0081	2.5
				20	1882.5	14.15	0.0075	2.5
				30	1882.5	14.59	0.0078	2.5
				40	1882.5	15.85	0.0084	2.5
				50	1882.5	14.78	0.0079	2.5
			VL	20	1882.5	16.71	0.0089	2.5
			VH	20	1882.5	17.74	0.0094	2.5
			VN	-20	1910.0	12.77	0.0067	2.5
				-10	1910.0	16.44	0.0086	2.5
				0	1910.0	15.02	0.0079	2.5
				10	1910.0	14.62	0.0077	2.5
				20	1910.0	16.18	0.0085	2.5
				30	1910.0	15.48	0.0081	2.5
				40	1910.0	14.58	0.0076	2.5
				50	1910.0	16.03	0.0084	2.5
			VL	20	1910.0	15.07	0.0079	2.5
			VH	20	1910.0	12.91	0.0068	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND25	QPSK/16-QAM	15MHz	VN	-20	1857.5	13.42	0.0072	2.5
				-10	1857.5	16.58	0.0089	2.5
				0	1857.5	15.86	0.0085	2.5
				10	1857.5	17.53	0.0094	2.5
				20	1857.5	17.33	0.0093	2.5
				30	1857.5	17.97	0.0097	2.5
				40	1857.5	15.78	0.0085	2.5
				50	1857.5	14.80	0.0080	2.5
			VL	20	1857.5	15.91	0.0086	2.5
			VH	20	1857.5	15.33	0.0083	2.5
			VN	-20	1882.5	16.66	0.0089	2.5
				-10	1882.5	15.62	0.0083	2.5
				0	1882.5	14.14	0.0075	2.5
				10	1882.5	15.55	0.0083	2.5
				20	1882.5	15.53	0.0082	2.5
				30	1882.5	15.24	0.0081	2.5
				40	1882.5	15.71	0.0083	2.5
				50	1882.5	15.02	0.0080	2.5
			VL	20	1882.5	17.49	0.0093	2.5
			VH	20	1882.5	16.71	0.0089	2.5
			VN	-20	1907.5	14.80	0.0078	2.5
				-10	1907.5	16.37	0.0086	2.5
				0	1907.5	15.24	0.0080	2.5
				10	1907.5	14.67	0.0077	2.5
				20	1907.5	14.22	0.0075	2.5
				30	1907.5	15.53	0.0081	2.5
				40	1907.5	16.91	0.0089	2.5
				50	1907.5	17.29	0.0091	2.5
			VL	20	1907.5	16.57	0.0087	2.5
			VH	20	1907.5	14.97	0.0078	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND25	QPSK/16-QAM	20MHz	VN	-20	1860.0	16.34	0.0088	2.5
				-10	1860.0	17.87	0.0096	2.5
				0	1860.0	15.96	0.0086	2.5
				10	1860.0	17.34	0.0093	2.5
				20	1860.0	15.69	0.0084	2.5
				30	1860.0	17.31	0.0093	2.5
				40	1860.0	16.25	0.0087	2.5
				50	1860.0	15.89	0.0085	2.5
			VL	20	1860.0	15.24	0.0082	2.5
			VH	20	1860.0	15.71	0.0084	2.5
			VN	-20	1882.5	17.45	0.0093	2.5
				-10	1882.5	15.30	0.0081	2.5
				0	1882.5	16.43	0.0087	2.5
				10	1882.5	13.52	0.0072	2.5
				20	1882.5	14.08	0.0075	2.5
				30	1882.5	15.15	0.0080	2.5
				40	1882.5	15.16	0.0081	2.5
				50	1882.5	15.48	0.0082	2.5
			VL	20	1882.5	15.69	0.0083	2.5
			VH	20	1882.5	16.23	0.0086	2.5
			VN	-20	1905.0	13.95	0.0073	2.5
				-10	1905.0	16.84	0.0088	2.5
				0	1905.0	14.44	0.0076	2.5
				10	1905.0	17.05	0.0090	2.5
				20	1905.0	15.41	0.0081	2.5
				30	1905.0	14.76	0.0077	2.5
				40	1905.0	15.06	0.0079	2.5
				50	1905.0	14.76	0.0077	2.5
			VL	20	1905.0	15.47	0.0081	2.5
			VH	20	1905.0	15.47	0.0081	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND26	QPSK/16-QAM	1.4MHz	VN	-20	824.7	14.69	0.0178	2.5
				-10	824.7	18.05	0.0219	2.5
				0	824.7	14.53	0.0176	2.5
				10	824.7	15.52	0.0188	2.5
				20	824.7	17.40	0.0211	2.5
				30	824.7	16.21	0.0197	2.5
				40	824.7	14.84	0.0180	2.5
				50	824.7	14.98	0.0182	2.5
			VL	20	824.7	15.18	0.0184	2.5
			VH	20	824.7	15.37	0.0186	2.5
			VN	-20	836.5	17.24	0.0206	2.5
				-10	836.5	17.69	0.0211	2.5
				0	836.5	16.64	0.0199	2.5
				10	836.5	13.92	0.0166	2.5
				20	836.5	15.23	0.0182	2.5
				30	836.5	14.34	0.0171	2.5
				40	836.5	15.61	0.0187	2.5
				50	836.5	16.42	0.0196	2.5
			VL	20	836.5	17.42	0.0208	2.5
			VH	20	836.5	16.90	0.0202	2.5
			VN	-20	848.3	13.64	0.0161	2.5
				-10	848.3	14.81	0.0175	2.5
				0	848.3	15.75	0.0186	2.5
				10	848.3	14.64	0.0173	2.5
				20	848.3	14.65	0.0173	2.5
				30	848.3	17.31	0.0204	2.5
				40	848.3	15.87	0.0187	2.5
				50	848.3	14.55	0.0172	2.5
			VL	20	848.3	15.52	0.0183	2.5
			VH	20	848.3	15.00	0.0177	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND26	QPSK/16-QAM	3MHz	VN	-20	825.5	13.85	0.0168	2.5
				-10	825.5	17.86	0.0216	2.5
				0	825.5	16.54	0.0200	2.5
				10	825.5	15.20	0.0184	2.5
				20	825.5	16.55	0.0200	2.5
				30	825.5	15.76	0.0191	2.5
				40	825.5	16.97	0.0206	2.5
				50	825.5	15.73	0.0191	2.5
			VL	20	825.5	16.08	0.0195	2.5
			VH	20	825.5	15.23	0.0185	2.5
			VN	-20	836.5	16.38	0.0196	2.5
				-10	836.5	16.70	0.0200	2.5
				0	836.5	14.17	0.0169	2.5
				10	836.5	14.00	0.0167	2.5
				20	836.5	13.46	0.0161	2.5
				30	836.5	16.19	0.0194	2.5
				40	836.5	14.74	0.0176	2.5
				50	836.5	14.27	0.0171	2.5
			VL	20	836.5	18.50	0.0221	2.5
			VH	20	836.5	14.91	0.0178	2.5
			VN	-20	847.5	13.37	0.0158	2.5
				-10	847.5	16.61	0.0196	2.5
				0	847.5	13.63	0.0161	2.5
				10	847.5	15.45	0.0182	2.5
				20	847.5	14.92	0.0176	2.5
				30	847.5	14.99	0.0177	2.5
				40	847.5	15.33	0.0181	2.5
				50	847.5	17.00	0.0201	2.5
			VL	20	847.5	16.18	0.0191	2.5
			VH	20	847.5	15.12	0.0178	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND26	QPSK/16-QAM	5MHz	VN	-20	826.5	15.22	0.0184	2.5
				-10	826.5	16.91	0.0205	2.5
				0	826.5	15.62	0.0189	2.5
				10	826.5	17.56	0.0212	2.5
				20	826.5	15.69	0.0190	2.5
				30	826.5	16.01	0.0194	2.5
				40	826.5	15.39	0.0186	2.5
				50	826.5	16.41	0.0199	2.5
			VL	20	826.5	15.85	0.0192	2.5
			VH	20	826.5	16.02	0.0194	2.5
			VN	-20	836.5	15.80	0.0189	2.5
				-10	836.5	16.94	0.0202	2.5
				0	836.5	16.78	0.0201	2.5
				10	836.5	13.51	0.0162	2.5
				20	836.5	15.16	0.0181	2.5
				30	836.5	15.53	0.0186	2.5
				40	836.5	15.87	0.0190	2.5
				50	836.5	15.24	0.0182	2.5
			VL	20	836.5	17.72	0.0212	2.5
			VH	20	836.5	15.61	0.0187	2.5
			VN	-20	846.5	12.63	0.0149	2.5
				-10	846.5	14.82	0.0175	2.5
				0	846.5	13.83	0.0163	2.5
				10	846.5	14.86	0.0175	2.5
				20	846.5	17.00	0.0201	2.5
				30	846.5	17.17	0.0203	2.5
				40	846.5	14.40	0.0170	2.5
				50	846.5	16.52	0.0195	2.5
			VL	20	846.5	14.11	0.0167	2.5
			VH	20	846.5	14.80	0.0175	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND26	QPSK/16-QAM	10MHz	VN	-20	829	15.85	0.0191	2.5
				-10	829	18.67	0.0225	2.5
				0	829	15.19	0.0183	2.5
				10	829	14.99	0.0181	2.5
				20	829	15.33	0.0185	2.5
				30	829	17.34	0.0209	2.5
				40	829	16.38	0.0198	2.5
				50	829	15.64	0.0189	2.5
			VL	20	829	16.62	0.0200	2.5
			VH	20	829	16.14	0.0195	2.5
			VN	-20	836.5	15.99	0.0191	2.5
				-10	836.5	14.95	0.0179	2.5
				0	836.5	16.22	0.0194	2.5
				10	836.5	15.47	0.0185	2.5
				20	836.5	13.78	0.0165	2.5
				30	836.5	14.32	0.0171	2.5
				40	836.5	15.96	0.0191	2.5
				50	836.5	15.70	0.0188	2.5
			VL	20	836.5	15.80	0.0189	2.5
			VH	20	836.5	16.00	0.0191	2.5
			VN	-20	844	12.78	0.0151	2.5
				-10	844	16.07	0.0190	2.5
				0	844	15.19	0.0180	2.5
				10	844	17.40	0.0206	2.5
				20	844	16.12	0.0191	2.5
				30	844	15.26	0.0181	2.5
				40	844	16.24	0.0192	2.5
				50	844	17.17	0.0203	2.5
			VL	20	844	14.17	0.0168	2.5
			VH	20	844	14.72	0.0174	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND26	QPSK/16-QAM	15MHz	VN	-20	831.5	15.98	0.0192	2.5
				-10	831.5	17.71	0.0213	2.5
				0	831.5	16.21	0.0195	2.5
				10	831.5	15.58	0.0187	2.5
				20	831.5	15.78	0.0190	2.5
				30	831.5	17.03	0.0205	2.5
				40	831.5	17.01	0.0205	2.5
				50	831.5	14.43	0.0174	2.5
			VL	20	831.5	16.75	0.0201	2.5
			VH	20	831.5	16.83	0.0202	2.5
			VN	-20	836.5	15.69	0.0188	2.5
				-10	836.5	15.16	0.0181	2.5
				0	836.5	15.55	0.0186	2.5
				10	836.5	15.24	0.0182	2.5
				20	836.5	14.35	0.0172	2.5
				30	836.5	15.47	0.0185	2.5
				40	836.5	16.96	0.0203	2.5
				50	836.5	14.37	0.0172	2.5
			VL	20	836.5	16.25	0.0194	2.5
			VH	20	836.5	15.62	0.0187	2.5
			VN	-20	841.5	14.48	0.0172	2.5
				-10	841.5	16.40	0.0195	2.5
				0	841.5	14.18	0.0168	2.5
				10	841.5	16.62	0.0198	2.5
				20	841.5	16.57	0.0197	2.5
				30	841.5	16.59	0.0197	2.5
				40	841.5	15.48	0.0184	2.5
				50	841.5	16.15	0.0192	2.5
			VL	20	841.5	15.31	0.0182	2.5
			VH	20	841.5	13.22	0.0157	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND30	QPSK/16-QAM	5MHz	VN	-20	2307.5	13.73	0.0060	2.5
				-10	2307.5	18.65	0.0081	2.5
				0	2307.5	15.88	0.0069	2.5
				10	2307.5	14.87	0.0064	2.5
				20	2307.5	15.14	0.0066	2.5
				30	2307.5	18.14	0.0079	2.5
				40	2307.5	16.49	0.0071	2.5
				50	2307.5	15.65	0.0068	2.5
			VL	20	2307.5	15.52	0.0067	2.5
			VH	20	2307.5	14.91	0.0065	2.5
			VN	-20	2310	16.64	0.0072	2.5
				-10	2310	17.47	0.0076	2.5
				0	2310	15.80	0.0068	2.5
				10	2310	15.89	0.0069	2.5
				20	2310	15.95	0.0069	2.5
				30	2310	15.07	0.0065	2.5
				40	2310	14.29	0.0062	2.5
				50	2310	14.51	0.0063	2.5
			VL	20	2310	17.36	0.0075	2.5
			VH	20	2310	17.35	0.0075	2.5
			VN	-20	2312.5	14.69	0.0064	2.5
				-10	2312.5	15.80	0.0068	2.5
				0	2312.5	14.94	0.0065	2.5
				10	2312.5	16.28	0.0070	2.5
				20	2312.5	17.18	0.0074	2.5
				30	2312.5	14.83	0.0064	2.5
				40	2312.5	16.27	0.0070	2.5
				50	2312.5	17.38	0.0075	2.5
			VL	20	2312.5	15.29	0.0066	2.5
			VH	20	2312.5	15.88	0.0069	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND30	QPSK/16-QAM	10MHz	VN	-20	2310	13.80	0.0060	2.5
				-10	2310	17.83	0.0077	2.5
				0	2310	17.07	0.0074	2.5
				10	2310	16.42	0.0071	2.5
				20	2310	15.57	0.0067	2.5
				30	2310	15.86	0.0069	2.5
				40	2310	16.45	0.0071	2.5
				50	2310	14.02	0.0061	2.5
			VL	20	2310	17.34	0.0075	2.5
			VH	20	2310	15.82	0.0068	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND41	QPSK/16-QAM	5MHz	VN	-20	2498.5	15.96	0.0064	2.5
				-10	2498.5	18.73	0.0075	2.5
				0	2498.5	15.83	0.0063	2.5
				10	2498.5	15.05	0.0060	2.5
				20	2498.5	17.11	0.0068	2.5
				30	2498.5	17.86	0.0071	2.5
				40	2498.5	16.72	0.0067	2.5
				50	2498.5	15.04	0.0060	2.5
			VL	20	2498.5	15.10	0.0060	2.5
			VH	20	2498.5	17.43	0.0070	2.5
			VN	-20	2593	16.97	0.0065	2.5
				-10	2593	16.27	0.0063	2.5
				0	2593	15.35	0.0059	2.5
				10	2593	14.46	0.0056	2.5
				20	2593	15.45	0.0060	2.5
				30	2593	15.07	0.0058	2.5
				40	2593	14.25	0.0055	2.5
				50	2593	16.71	0.0064	2.5
			VL	20	2593	16.74	0.0065	2.5
			VH	20	2593	16.39	0.0063	2.5
			VN	-20	2687.5	15.50	0.0058	2.5
				-10	2687.5	16.32	0.0061	2.5
				0	2687.5	13.81	0.0051	2.5
				10	2687.5	16.61	0.0062	2.5
				20	2687.5	15.38	0.0057	2.5
				30	2687.5	14.82	0.0055	2.5
				40	2687.5	15.68	0.0058	2.5
				50	2687.5	16.56	0.0062	2.5
			VL	20	2687.5	14.90	0.0055	2.5
			VH	20	2687.5	14.48	0.0054	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND41	QPSK/16-QAM	10MHz	VN	-20	2501	14.03	0.0056	2.5
				-10	2501	18.46	0.0074	2.5
				0	2501	16.10	0.0064	2.5
				10	2501	17.43	0.0070	2.5
				20	2501	14.86	0.0059	2.5
				30	2501	18.02	0.0072	2.5
				40	2501	15.65	0.0063	2.5
				50	2501	14.55	0.0058	2.5
			VL	20	2501	15.99	0.0064	2.5
			VH	20	2501	16.51	0.0066	2.5
			VN	-20	2593	17.17	0.0066	2.5
				-10	2593	16.41	0.0063	2.5
				0	2593	16.09	0.0062	2.5
				10	2593	16.10	0.0062	2.5
				20	2593	15.65	0.0060	2.5
				30	2593	16.16	0.0062	2.5
				40	2593	15.47	0.0060	2.5
				50	2593	16.88	0.0065	2.5
			VL	20	2593	17.51	0.0068	2.5
			VH	20	2593	17.69	0.0068	2.5
			VN	-20	2685	13.34	0.0050	2.5
				-10	2685	16.02	0.0060	2.5
				0	2685	13.58	0.0051	2.5
				10	2685	14.72	0.0055	2.5
				20	2685	15.77	0.0059	2.5
				30	2685	16.50	0.0061	2.5
				40	2685	16.73	0.0062	2.5
				50	2685	15.29	0.0057	2.5
			VL	20	2685	16.04	0.0060	2.5
			VH	20	2685	14.84	0.0055	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND41	QPSK/16-QAM	15MHz	VN	-20	2503.5	15.90	0.0064	2.5
				-10	2503.5	18.53	0.0074	2.5
				0	2503.5	16.41	0.0066	2.5
				10	2503.5	15.72	0.0063	2.5
				20	2503.5	16.17	0.0065	2.5
				30	2503.5	17.76	0.0071	2.5
				40	2503.5	17.74	0.0071	2.5
				50	2503.5	14.65	0.0059	2.5
			VL	20	2503.5	16.00	0.0064	2.5
			VH	20	2503.5	16.98	0.0068	2.5
			VN	-20	2593	16.61	0.0064	2.5
				-10	2593	17.26	0.0067	2.5
				0	2593	14.32	0.0055	2.5
				10	2593	15.72	0.0061	2.5
				20	2593	16.27	0.0063	2.5
				30	2593	15.50	0.0060	2.5
				40	2593	17.18	0.0066	2.5
				50	2593	16.98	0.0065	2.5
			VL	20	2593	16.68	0.0064	2.5
			VH	20	2593	17.52	0.0068	2.5
			VN	-20	2682.5	13.40	0.0050	2.5
				-10	2682.5	14.94	0.0056	2.5
				0	2682.5	13.79	0.0051	2.5
				10	2682.5	14.75	0.0055	2.5
				20	2682.5	14.92	0.0056	2.5
				30	2682.5	15.62	0.0058	2.5
				40	2682.5	14.42	0.0054	2.5
				50	2682.5	14.97	0.0056	2.5
			VL	20	2682.5	16.72	0.0062	2.5
			VH	20	2682.5	15.09	0.0056	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND41	QPSK/16-QAM	20MHz	VN	-20	2506	16.14	0.0064	2.5
				-10	2506	18.81	0.0075	2.5
				0	2506	14.10	0.0056	2.5
				10	2506	16.47	0.0066	2.5
				20	2506	16.35	0.0065	2.5
				30	2506	16.60	0.0066	2.5
				40	2506	16.09	0.0064	2.5
				50	2506	14.89	0.0059	2.5
			VL	20	2506	16.42	0.0066	2.5
			VH	20	2506	17.47	0.0070	2.5
			VN	-20	2593	16.97	0.0065	2.5
				-10	2593	16.91	0.0065	2.5
				0	2593	15.40	0.0059	2.5
				10	2593	15.09	0.0058	2.5
				20	2593	13.54	0.0052	2.5
				30	2593	15.81	0.0061	2.5
				40	2593	16.49	0.0064	2.5
				50	2593	16.00	0.0062	2.5
			VL	20	2593	17.94	0.0069	2.5
			VH	20	2593	15.55	0.0060	2.5
			VN	-20	2680	15.41	0.0058	2.5
				-10	2680	15.13	0.0056	2.5
				0	2680	14.84	0.0055	2.5
				10	2680	14.97	0.0056	2.5
				20	2680	16.08	0.0060	2.5
				30	2680	17.33	0.0065	2.5
				40	2680	16.67	0.0062	2.5
				50	2680	16.89	0.0063	2.5
			VL	20	2680	16.80	0.0063	2.5
			VH	20	2680	15.04	0.0056	2.5
VERDICT					PASS			

APPENDIX H: TEST DATA FOR PEAK TO AVERAGE RATIO

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd4	QPSK	1.4MHz	Low	RB1#0	4.71	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	4.60	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	4.96	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	5.52	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	5.40	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	6.13	<=13	Pass
LTE Babd4	QPSK	3MHz	Low	RB1#0	4.75	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	4.50	<=13	Pass
	QPSK	3MHz	High	RB1#0	4.77	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	5.60	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	5.46	<=13	Pass
	16-QAM	3MHz	High	RB1#0	6.13	<=13	Pass
LTE Babd4	QPSK	5MHz	Low	RB1#0	4.80	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.61	<=13	Pass
	QPSK	5MHz	High	RB1#0	5.02	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.53	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.35	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.28	<=13	Pass
LTE Babd4	QPSK	10MHz	Low	RB1#0	4.60	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	4.75	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.03	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.69	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.38	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.00	<=13	Pass
TE Babd4	QPSK	15MHz	Low	RB1#0	4.83	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	4.09	<=13	Pass
	QPSK	15MHz	High	RB1#0	4.41	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	5.49	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	5.16	<=13	Pass
	16-QAM	15MHz	High	RB1#0	5.17	<=13	Pass
TE Babd4	QPSK	20MHz	Low	RB1#0	4.63	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	4.47	<=13	Pass
	QPSK	20MHz	High	RB1#0	4.08	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	6.28	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	5.42	<=13	Pass
	16-QAM	20MHz	High	RB1#0	5.02	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd7	QPSK	5MHz	Low	RB1#0	4.58	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.55	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.86	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.68	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.41	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.07	<=13	Pass
LTE Babd7	QPSK	10MHz	Low	RB1#0	4.70	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	4.69	<=13	Pass
	QPSK	10MHz	High	RB1#0	4.89	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.64	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.21	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.10	<=13	Pass
TE Babd7	QPSK	15MHz	Low	RB1#0	4.66	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	4.71	<=13	Pass
	QPSK	15MHz	High	RB1#0	4.93	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	5.51	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	5.38	<=13	Pass
	16-QAM	15MHz	High	RB1#0	6.15	<=13	Pass
TE Babd7	QPSK	20MHz	Low	RB1#0	4.71	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	4.57	<=13	Pass
	QPSK	20MHz	High	RB1#0	4.97	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	5.63	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	5.28	<=13	Pass
	16-QAM	20MHz	High	RB1#0	5.97	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd25	QPSK	1.4MHz	Low	RB1#0	4.79	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	4.63	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	4.88	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	5.56	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	5.41	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	6.10	<=13	Pass
LTE Babd25	QPSK	3MHz	Low	RB1#0	4.68	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	4.68	<=13	Pass
	QPSK	3MHz	High	RB1#0	4.92	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	5.55	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	5.25	<=13	Pass
	16-QAM	3MHz	High	RB1#0	6.04	<=13	Pass
LTE Babd25	QPSK	5MHz	Low	RB1#0	4.67	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.78	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.92	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.75	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.34	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.07	<=13	Pass
LTE Babd25	QPSK	10MHz	Low	RB1#0	4.65	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	4.75	<=13	Pass
	QPSK	10MHz	High	RB1#0	4.99	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.60	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.38	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.09	<=13	Pass
TE Babd25	QPSK	15MHz	Low	RB1#0	4.86	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	4.30	<=13	Pass
	QPSK	15MHz	High	RB1#0	4.18	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	5.66	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	5.15	<=13	Pass
	16-QAM	15MHz	High	RB1#0	4.86	<=13	Pass
TE Babd25	QPSK	20MHz	Low	RB1#0	4.73	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	4.41	<=13	Pass
	QPSK	20MHz	High	RB1#0	4.02	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	6.01	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	5.56	<=13	Pass
	16-QAM	20MHz	High	RB1#0	5.05	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd30	QPSK	5MHz	Low	RB1#0	4.59	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.75	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.96	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.50	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.36	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.13	<=13	Pass
LTE Babd30	QPSK	10MHz	Low	RB1#0	4.66	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	4.53	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.03	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.78	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.43	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.08	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd41	QPSK	5MHz	Low	RB1#0	4.80	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.72	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.88	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.53	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.47	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.03	<=13	Pass
LTE Babd41	QPSK	10MHz	Low	RB1#0	4.65	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	4.67	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.08	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.56	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.39	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.14	<=13	Pass
TE Babd41	QPSK	15MHz	Low	RB1#0	4.65	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	4.45	<=13	Pass
	QPSK	15MHz	High	RB1#0	4.98	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	5.75	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	5.49	<=13	Pass
	16-QAM	15MHz	High	RB1#0	6.02	<=13	Pass
TE Babd41	QPSK	20MHz	Low	RB1#0	4.72	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	4.70	<=13	Pass
	QPSK	20MHz	High	RB1#0	4.93	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	5.59	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	5.43	<=13	Pass
	16-QAM	20MHz	High	RB1#0	6.21	<=13	Pass

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

END OF REPORT