

## Appendix VI: FREQUENCY STABILITY OVER TEMPERATURE AND VOLTAGE VARIATIONS

### Part I: Test result

Mode	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
GSM 850	Middle CH	LV	25	49.05	0.058653	+/- 2.5	Pass
		NV		17.24	0.020614		Pass
		HV		21.44	0.025639		Pass
		NV	-30	36.35	0.043466		Pass
			-20	11.77	0.014069		Pass
			-10	40.45	0.04837		Pass
			0	39.83	0.047622		Pass
			10	33.19	0.03969		Pass
			20	20.56	0.024588		Pass
			30	12.44	0.014877		Pass
			40	37.55	0.044904		Pass
			50	10.81	0.012923		Pass
GSM 850 EGPRS	Middle CH	LV	25	18.24	0.02181	+/- 2.5	Pass
		NV		38.05	0.045501		Pass
		HV		12.56	0.015017		Pass
		NV	-30	24.79	0.029648		Pass
			-20	39.31	0.047009		Pass
			-10	37.76	0.045147		Pass
			0	26.10	0.031207		Pass
			10	17.41	0.020817		Pass
			20	20.34	0.024316		Pass
			30	14.78	0.017668		Pass
			40	25.36	0.030318		Pass
			50	23.19	0.027729		Pass
PCS 1900	Middle CH	LV	25	23.50	0.028102	+/- 2.5	Pass
		NV		30.70	0.036707		Pass
		HV		18.15	0.021707		Pass
		NV	-30	18.27	0.021845		Pass
			-20	41.19	0.049249		Pass
			-10	31.03	0.037102		Pass
			0	37.28	0.044581		Pass
			10	34.66	0.041443		Pass
			20	41.79	0.049968		Pass
			30	45.29	0.054152		Pass
			40	12.55	0.015009		Pass
			50	33.65	0.040238		Pass

NOTE: All conditions have been tested and we only record the worst results in each bands.

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
PCS 1900 EGPRS	Middle CH	LV	25	26.22	0.013946	+/- 2.5	Pass
		NV		49.51	0.026336		Pass
		HV		36.64	0.019491		Pass
		NV	-30	22.75	0.012099		Pass
			-20	36.71	0.019527		Pass
			-10	14.61	0.007773		Pass
			0	22.90	0.01218		Pass
			10	15.22	0.008094		Pass
			20	29.04	0.015449		Pass
			30	26.42	0.014051		Pass
			40	38.65	0.020558		Pass
			50	48.14	0.025609		Pass
UMTS 850 RMC	Middle CH	LV	25	1.93	0.001027	+/- 2.5	Pass
		NV		1.54	0.000818		Pass
		HV		-2.22	-0.00118		Pass
		NV	-30	0.80	0.000425		Pass
			-20	-0.33	-0.00018		Pass
			-10	-1.85	-0.00098		Pass
			0	-2.26	-0.0012		Pass
			10	-0.63	-0.00033		Pass
			20	-0.58	-0.00031		Pass
			30	0.16	8.52E-05		Pass
			40	1.59	0.000844		Pass
			50	2.78	0.001479		Pass
UMTS 850 HSDPA	Middle CH	LV	25	1.46	0.000779	+/- 2.5	Pass
		NV		2.14	0.001139		Pass
		HV		1.33	0.000708		Pass
		NV	-30	-2.89	-0.00154		Pass
			-20	1.15	0.000611		Pass
			-10	-1.85	-0.00098		Pass
			0	0.00	2.43E-06		Pass
			10	-1.75	-0.00093		Pass
			20	0.50	0.000267		Pass
			30	-0.27	-0.00015		Pass
			40	-2.38	-0.00126		Pass
			50	-1.93	-0.00103		Pass

NOTE: All conditions have been tested and we only record the worst results in each bands.

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
UMTS 850 HSUPA	Middle CH	LV	25	1.63	0.002177	+/- 2.5	Pass
		NV		0.22	0.000502		Pass
		HV		-1.66	-0.00177		Pass
		NV	-30	-3.19	-0.00356		Pass
			-20	1.28	0.001734		Pass
			-10	-2.20	-0.0024		Pass
			0	-2.92	-0.00324		Pass
			10	2.36	0.003038		Pass
			20	1.41	0.00195		Pass
			30	-2.14	-0.00233		Pass
			40	-1.95	-0.00211		Pass
			50	-2.74	-0.00304		Pass
UMTS 1900 RMC	Middle CH	LV	25	-2.64	-0.0014	+/- 2.5	Pass
		NV		0.27	0.000143		Pass
		HV		-1.55	-0.00083		Pass
		NV	-30	0.73	0.000387		Pass
			-20	-2.93	-0.00156		Pass
			-10	0.16	8.66E-05		Pass
			0	-2.15	-0.00114		Pass
			10	1.39	0.000741		Pass
			20	-2.62	-0.0014		Pass
			30	-1.14	-0.0006		Pass
			40	0.49	0.000262		Pass
			50	0.74	0.000395		Pass
UMTS 1900 HSDPA	Middle CH	LV	25	1.40	0.000747	+/- 2.5	Pass
		NV		1.37	0.000731		Pass
		HV		2.36	0.001257		Pass
		NV	-30	-1.19	-0.00063		Pass
			-20	2.32	0.001234		Pass
			-10	-2.57	-0.00137		Pass
			0	1.37	0.000731		Pass
			10	1.73	0.000922		Pass
			20	-1.03	-0.00055		Pass
			30	-2.75	-0.00146		Pass
			40	0.58	0.000309		Pass
			50	-2.47	-0.00131		Pass

NOTE: All conditions have been tested and we only record the worst results in each bands.

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
UMTS 1900 HSUPA	Middle CH	LV	25	2.54	0.00135	+/- 2.5	Pass
		NV		-2.94	-0.00156		Pass
		HV		1.04	0.000555		Pass
		NV	-30	2.21	0.001178		Pass
			-20	-2.17	-0.00116		Pass
			-10	-0.44	-0.00023		Pass
			0	-2.35	-0.00125		Pass
			10	-2.74	-0.00146		Pass
			20	1.73	0.000921		Pass
			30	1.04	0.000555		Pass
			40	2.73	0.001454		Pass
			50	-0.44	-0.00023		Pass

NOTE: All conditions have been tested and we only record the worst results in each bands.

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (QPSK)	1.4	Low CH	LV	25	0.05	0.000028	+/- 2.5	Pass
			NV		-25.65	-0.013643		Pass
			HV		0.09	0.000050		Pass
			NV	-30	-0.25	-0.000135		Pass
				-20	0.36	0.000193		Pass
				-10	-0.92	-0.000490		Pass
				0	-0.70	-0.000371		Pass
				10	-0.82	-0.000437		Pass
				20	3.37	0.001793		Pass
				30	-1.52	-0.000807		Pass
				40	-0.58	-0.000309		Pass
				50	0.69	0.000365		Pass
		Middle CH	LV	25	-1.24	-0.000662	+/- 2.5	Pass
			NV		0.69	0.000367		Pass
			HV		4.06	0.002159		Pass
			NV	-30	0.09	0.000047		Pass
				-20	0.75	0.000397		Pass
				-10	-0.19	-0.000103		Pass
				0	-0.56	-0.000297		Pass
				10	0.09	0.000047		Pass
				20	0.81	0.000433		Pass
				30	-0.40	-0.000210		Pass
				40	-0.36	-0.000191		Pass
				50	-0.13	-0.000068		Pass
		High CH	LV	25	-0.96	-0.000512	+/- 2.5	Pass
			NV		0.15	0.000078		Pass
			HV		2.72	0.001445		Pass
			NV	-30	-2.20	-0.001169		Pass
				-20	-0.08	-0.000044		Pass
				-10	-0.07	-0.000037		Pass
				0	0.79	0.000422		Pass
				10	-0.02	-0.000011		Pass
				20	-0.34	-0.000182		Pass
				30	1.77	0.000939		Pass
				40	2.27	0.001207		Pass
				50	-1.50	-0.000795		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (QPSK)	3.0	Low CH	LV	25	-2.49	-0.001325	+/- 2.5	Pass
			NV		2.93	0.001559		Pass
			HV		-0.11	-0.000060		Pass
			NV	-30	0.52	0.000274		Pass
				-20	-1.37	-0.000730		Pass
				-10	-0.59	-0.000312		Pass
				0	-0.45	-0.000241		Pass
				10	0.09	0.000049		Pass
				20	-0.11	-0.000057		Pass
				30	-4.14	-0.002200		Pass
				40	-1.91	-0.001017		Pass
				50	1.15	0.000610		Pass
		Middle CH	LV	25	0.50	0.000268	+/- 2.5	Pass
			NV		0.57	0.000303		Pass
			HV		-1.71	-0.000912		Pass
			NV	-30	-0.21	-0.000114		Pass
				-20	1.56	0.000829		Pass
				-10	0.62	0.000332		Pass
				0	2.73	0.001454		Pass
				10	3.39	0.001802		Pass
				20	-1.18	-0.000627		Pass
				30	3.93	0.002092		Pass
				40	-0.47	-0.000252		Pass
				50	-0.24	-0.000127		Pass
		High CH	LV	25	0.51	0.000271	+/- 2.5	Pass
			NV		2.45	0.001301		Pass
			HV		-1.81	-0.000963		Pass
			NV	-30	-0.05	-0.000028		Pass
				-20	-0.61	-0.000324		Pass
				-10	-1.19	-0.000632		Pass
				0	0.24	0.000127		Pass
				10	0.71	0.000378		Pass
				20	1.48	0.000789		Pass
				30	1.29	0.000684		Pass
				40	1.00	0.000533		Pass
				50	0.36	0.000189		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (QPSK)	5.0	Low CH	LV	25	4.72	0.002509	+/- 2.5	Pass
			NV		-2.66	-0.001416		Pass
			HV		3.04	0.001619		Pass
			NV	-30	-2.08	-0.001107		Pass
				-20	2.79	0.001483		Pass
				-10	-1.12	-0.000597		Pass
				0	-2.67	-0.001421		Pass
				10	-3.30	-0.001755		Pass
				20	-1.27	-0.000678		Pass
				30	1.45	0.000773		Pass
				40	1.99	0.001058		Pass
				50	1.60	0.000854		Pass
		Middle CH	LV	25	0.79	0.000420	+/- 2.5	Pass
			NV		-0.42	-0.000222		Pass
			HV		0.08	0.000044		Pass
			NV	-30	0.74	0.000394		Pass
				-20	-0.79	-0.000422		Pass
				-10	-2.54	-0.001350		Pass
				0	-0.58	-0.000308		Pass
				10	0.27	0.000142		Pass
				20	0.96	0.000513		Pass
				30	0.44	0.000235		Pass
				40	-0.48	-0.000256		Pass
				50	-0.12	-0.000065		Pass
		High CH	LV	25	2.00	0.001065	+/- 2.5	Pass
			NV		3.28	0.001744		Pass
			HV		-0.31	-0.000164		Pass
			NV	-30	-0.08	-0.000041		Pass
				-20	1.14	0.000609		Pass
				-10	0.73	0.000386		Pass
				0	-0.35	-0.000184		Pass
				10	1.28	0.000682		Pass
				20	2.13	0.001134		Pass
				30	-1.53	-0.000814		Pass
				40	-2.90	-0.001545		Pass
				50	-2.04	-0.001087		Pass

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (QPSK)	10.0	Low CH	LV	25	-0.72	-0.000382	+/- 2.5	Pass
			NV		-0.23	-0.000123		Pass
			HV		0.67	0.000356		Pass
			NV	-30	0.77	0.000409		Pass
				-20	-0.18	-0.000095		Pass
				-10	0.38	0.000200		Pass
				0	-0.32	-0.000170		Pass
				10	-1.12	-0.000596		Pass
				20	-0.31	-0.000167		Pass
				30	0.65	0.000348		Pass
				40	-0.70	-0.000372		Pass
				50	-0.40	-0.000212		Pass
		Middle CH	LV	25	0.63	0.000336	+/- 2.5	Pass
			NV		-0.45	-0.000241		Pass
			HV		-1.04	-0.000555		Pass
			NV	-30	-0.44	-0.000234		Pass
				-20	-0.42	-0.000222		Pass
				-10	-0.47	-0.000247		Pass
				0	0.32	0.000169		Pass
				10	-0.48	-0.000257		Pass
				20	0.17	0.000092		Pass
				30	0.09	0.000046		Pass
				40	0.35	0.000188		Pass
				50	-0.25	-0.000132		Pass
		High CH	LV	25	-0.59	-0.000315	+/- 2.5	Pass
			NV		-1.19	-0.000634		Pass
			HV		-0.82	-0.000436		Pass
			NV	-30	0.51	0.000269		Pass
				-20	0.81	0.000432		Pass
				-10	0.11	0.000060		Pass
				0	0.80	0.000423		Pass
				10	-1.27	-0.000677		Pass
				20	-1.62	-0.000862		Pass
				30	0.03	0.000015		Pass
				40	-0.31	-0.000163		Pass
				50	0.10	0.000053		Pass

LV=3.25V, NV=3.80V, HV=4.35V



Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (QPSK)	15.0	Low CH	LV	25	2.94	0.001562	+/- 2.5	Pass
			NV		2.83	0.001505		Pass
			HV		3.49	0.001856		Pass
			NV	-30	2.70	0.001438		Pass
				-20	2.30	0.001225		Pass
				-10	3.44	0.001828		Pass
				0	1.61	0.000856		Pass
				10	3.93	0.002088		Pass
				20	3.04	0.001617		Pass
				30	2.55	0.001354		Pass
				40	2.44	0.001295		Pass
				50	3.42	0.001820		Pass
		Middle CH	LV	25	-0.03	-0.000016	+/- 2.5	Pass
			NV		0.81	0.000429		Pass
			HV		-0.15	-0.000078		Pass
			NV	-30	-0.28	-0.000150		Pass
				-20	0.60	0.000317		Pass
				-10	0.32	0.000171		Pass
				0	0.88	0.000468		Pass
				10	-0.49	-0.000259		Pass
				20	-0.91	-0.000483		Pass
				30	0.38	0.000204		Pass
				40	-0.82	-0.000438		Pass
				50	-0.47	-0.000249		Pass
		High CH	LV	25	0.11	0.000059	+/- 2.5	Pass
			NV		-0.47	-0.000247		Pass
			HV		-0.63	-0.000335		Pass
			NV	-30	-1.32	-0.000700		Pass
				-20	-0.65	-0.000346		Pass
				-10	-0.47	-0.000252		Pass
				0	0.30	0.000161		Pass
				10	-0.10	-0.000052		Pass
				20	0.14	0.000077		Pass
				30	-0.55	-0.000292		Pass
				40	0.13	0.000070		Pass
				50	-0.61	-0.000325		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (QPSK)	20.0	Low CH	LV	25	-0.24	-0.000128	+/- 2.5	Pass
			NV		-0.47	-0.000250		Pass
			HV		0.20	0.000106		Pass
			NV	-30	-1.25	-0.000663		Pass
				-20	-1.06	-0.000566		Pass
				-10	-0.89	-0.000471		Pass
				0	-1.06	-0.000565		Pass
				10	-0.82	-0.000435		Pass
				20	-0.27	-0.000143		Pass
				30	-0.71	-0.000379		Pass
				40	-0.50	-0.000266		Pass
				50	-0.29	-0.000156		Pass
		Middle CH	LV	25	0.58	0.000307	+/- 2.5	Pass
			NV		-0.70	-0.000371		Pass
			HV		-0.47	-0.000248		Pass
			NV	-30	-0.17	-0.000090		Pass
				-20	-0.01	-0.000006		Pass
				-10	-0.64	-0.000343		Pass
				0	0.57	0.000302		Pass
				10	-0.49	-0.000261		Pass
				20	0.08	0.000042		Pass
				30	0.67	0.000354		Pass
				40	0.25	0.000133		Pass
				50	0.26	0.000140		Pass
		High CH	LV	25	-0.41	-0.000218	+/- 2.5	Pass
			NV		0.12	0.000061		Pass
			HV		-0.65	-0.000348		Pass
			NV	-30	-1.38	-0.000733		Pass
				-20	0.24	0.000126		Pass
				-10	0.32	0.000170		Pass
				0	-0.32	-0.000169		Pass
				10	0.09	0.000047		Pass
				20	-1.61	-0.000859		Pass
				30	0.62	0.000331		Pass
				40	-0.43	-0.000229		Pass
				50	-0.07	-0.000039		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (16QAM)	1.4	Low CH	LV	25	-0.23	-0.000122	+/- 2.5	Pass
			NV		1.15	0.000612		Pass
			HV		-0.22	-0.000118		Pass
			NV	-30	-1.14	-0.000607		Pass
				-20	-1.89	-0.001008		Pass
				-10	-1.35	-0.000720		Pass
				0	-0.56	-0.000300		Pass
				10	-0.16	-0.000085		Pass
				20	-0.99	-0.000524		Pass
				30	-0.24	-0.000129		Pass
				40	-1.07	-0.000567		Pass
				50	-0.63	-0.000334		Pass
		Middle CH	LV	25	-0.73	-0.000386	+/- 2.5	Pass
			NV		1.29	0.000686		Pass
			HV		-0.06	-0.000030		Pass
			NV	-30	0.27	0.000141		Pass
				-20	0.01	0.000003		Pass
				-10	-0.98	-0.000523		Pass
				0	0.01	0.000004		Pass
				10	-1.32	-0.000702		Pass
				20	-1.59	-0.000848		Pass
				30	0.02	0.000009		Pass
				40	0.04	0.000020		Pass
				50	-0.09	-0.000050		Pass
		High CH	LV	25	-2.25	-0.001199	+/- 2.5	Pass
			NV		-3.03	-0.001611		Pass
			HV		0.47	0.000251		Pass
			NV	-30	1.43	0.000759		Pass
				-20	-2.27	-0.001209		Pass
				-10	-3.10	-0.001647		Pass
				0	-2.79	-0.001484		Pass
				10	-4.40	-0.002342		Pass
				20	-4.08	-0.002169		Pass
				30	-4.30	-0.002290		Pass
				40	-5.08	-0.002702		Pass
				50	-3.43	-0.001826		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (16QAM)	3.0	Low CH	LV	25	-0.93	-0.000496	+/- 2.5	Pass
			NV		1.05	0.000558		Pass
			HV		2.47	0.001314		Pass
			NV	-30	3.41	0.001813		Pass
				-20	3.69	0.001962		Pass
				-10	2.53	0.001344		Pass
				0	2.59	0.001380		Pass
				10	2.22	0.001178		Pass
				20	-1.40	-0.000746		Pass
				30	-1.41	-0.000753		Pass
				40	0.94	0.000502		Pass
				50	0.64	0.000340		Pass
		Middle CH	LV	25	-2.41	-0.001282	+/- 2.5	Pass
			NV		-2.84	-0.001512		Pass
			HV		2.25	0.001195		Pass
			NV	-30	1.32	0.000700		Pass
				-20	-3.15	-0.001673		Pass
				-10	-2.93	-0.001560		Pass
				0	-1.81	-0.000961		Pass
				10	-1.95	-0.001038		Pass
				20	-2.43	-0.001294		Pass
				30	-2.90	-0.001541		Pass
				40	-4.23	-0.002249		Pass
				50	-2.93	-0.001560		Pass
		High CH	LV	25	-0.69	-0.000366	+/- 2.5	Pass
			NV		-1.81	-0.000961		Pass
			HV		-1.40	-0.000743		Pass
			NV	-30	-2.16	-0.001148		Pass
				-20	-1.76	-0.000936		Pass
				-10	-2.24	-0.001190		Pass
				0	-2.59	-0.001378		Pass
				10	1.84	0.000981		Pass
				20	3.08	0.001639		Pass
				30	2.77	0.001473		Pass
				40	1.76	0.000937		Pass
				50	2.65	0.001409		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (16QAM)	5.0	Low CH	LV	25	1.97	0.001050	+/- 2.5	Pass
			NV		-4.51	-0.002399		Pass
			HV		-0.37	-0.000197		Pass
			NV	-30	-0.32	-0.000172		Pass
				-20	-1.87	-0.000994		Pass
				-10	0.60	0.000317		Pass
				0	-1.13	-0.000602		Pass
				10	-0.05	-0.000026		Pass
				20	-1.37	-0.000729		Pass
				30	-1.72	-0.000913		Pass
				40	1.75	0.000931		Pass
				50	-1.96	-0.001041		Pass
		Middle CH	LV	25	-1.24	-0.000662	+/- 2.5	Pass
			NV		-2.10	-0.001116		Pass
			HV		0.75	0.000399		Pass
			NV	-30	-1.43	-0.000763		Pass
				-20	2.08	0.001108		Pass
				-10	-1.95	-0.001037		Pass
				0	-0.01	-0.000006		Pass
				10	1.65	0.000876		Pass
				20	2.65	0.001409		Pass
				30	1.81	0.000965		Pass
				40	2.03	0.001080		Pass
				50	0.74	0.000393		Pass
		High CH	LV	25	-0.20	-0.000105	+/- 2.5	Pass
			NV		-1.09	-0.000578		Pass
			HV		-2.19	-0.001164		Pass
			NV	-30	-0.71	-0.000378		Pass
				-20	2.71	0.001443		Pass
				-10	2.92	0.001554		Pass
				0	-1.05	-0.000561		Pass
				10	-2.62	-0.001391		Pass
				20	-2.10	-0.001118		Pass
				30	0.92	0.000487		Pass
				40	3.28	0.001745		Pass
				50	2.97	0.001581		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (16QAM)	10.0	Low CH	LV	25	-2.30	-0.001222	+/- 2.5	Pass
			NV		-1.33	-0.000710		Pass
			HV		-1.15	-0.000613		Pass
			NV	-30	0.14	0.000073		Pass
				-20	-1.22	-0.000647		Pass
				-10	-1.05	-0.000556		Pass
				0	0.17	0.000088		Pass
				10	-1.09	-0.000579		Pass
				20	-1.32	-0.000700		Pass
				30	-0.62	-0.000327		Pass
				40	-0.61	-0.000323		Pass
				50	-1.29	-0.000687		Pass
		Middle CH	LV	25	-0.77	-0.000411	+/- 2.5	Pass
			NV		-1.29	-0.000688		Pass
			HV		-0.53	-0.000282		Pass
			NV	-30	-0.26	-0.000138		Pass
				-20	-0.74	-0.000394		Pass
				-10	-1.06	-0.000562		Pass
				0	-0.71	-0.000376		Pass
				10	1.38	0.000735		Pass
				20	0.74	0.000396		Pass
				30	0.56	0.000296		Pass
				40	0.02	0.000009		Pass
				50	-1.18	-0.000628		Pass
		High CH	LV	25	-1.04	-0.000553	+/- 2.5	Pass
			NV		-0.12	-0.000064		Pass
			HV		-0.57	-0.000301		Pass
			NV	-30	-0.09	-0.000046		Pass
				-20	-1.06	-0.000563		Pass
				-10	-1.24	-0.000659		Pass
				0	-0.40	-0.000211		Pass
				10	-0.33	-0.000177		Pass
				20	-0.68	-0.000363		Pass
				30	-1.48	-0.000787		Pass
				40	0.24	0.000130		Pass
				50	-0.96	-0.000512		Pass

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (16QAM)	15.0	Low CH	LV	25	2.95	0.001570	+/- 2.5	Pass
			NV		2.69	0.001431		Pass
			HV		3.24	0.001726		Pass
			NV	-30	2.51	0.001335		Pass
				-20	1.63	0.000869		Pass
				-10	2.07	0.001101		Pass
				0	2.69	0.001429		Pass
				10	3.03	0.001613		Pass
				20	2.13	0.001134		Pass
				30	1.60	0.000849		Pass
				40	1.67	0.000887		Pass
				50	1.72	0.000917		Pass
		Middle CH	LV	25	0.33	0.000176	+/- 2.5	Pass
			NV		-1.57	-0.000833		Pass
			HV		-0.53	-0.000284		Pass
			NV	-30	-1.73	-0.000922		Pass
				-20	-0.73	-0.000389		Pass
				-10	-0.48	-0.000257		Pass
				0	-1.29	-0.000686		Pass
				10	1.04	0.000551		Pass
				20	-1.05	-0.000560		Pass
				30	-0.23	-0.000122		Pass
				40	-0.30	-0.000157		Pass
				50	0.54	0.000285		Pass
		High CH	LV	25	-1.53	-0.000812	+/- 2.5	Pass
			NV		0.32	0.000171		Pass
			HV		-0.31	-0.000167		Pass
			NV	-30	-1.74	-0.000925		Pass
				-20	-0.64	-0.000341		Pass
				-10	-1.18	-0.000628		Pass
				0	-0.85	-0.000454		Pass
				10	-0.99	-0.000527		Pass
				20	-1.45	-0.000772		Pass
				30	-1.13	-0.000603		Pass
				40	-1.22	-0.000648		Pass
				50	-0.03	-0.000018		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND II (16QAM)	20.0	Low CH	LV	25	-0.54	-0.000285	+/- 2.5	Pass
			NV		0.01	0.000005		Pass
			HV		0.25	0.000135		Pass
			NV	-30	-0.15	-0.000078		Pass
				-20	-1.58	-0.000841		Pass
				-10	-0.64	-0.000342		Pass
				0	-1.47	-0.000782		Pass
				10	-0.17	-0.000090		Pass
				20	0.32	0.000171		Pass
				30	-0.72	-0.000381		Pass
				40	-0.62	-0.000332		Pass
				50	0.64	0.000341		Pass
		Middle CH	LV	25	0.01	0.000008	+/- 2.5	Pass
			NV		-1.25	-0.000663		Pass
			HV		-0.96	-0.000509		Pass
			NV	-30	-0.15	-0.000081		Pass
				-20	-0.21	-0.000113		Pass
				-10	1.10	0.000586		Pass
				0	-0.37	-0.000194		Pass
				10	0.12	0.000066		Pass
				20	-1.17	-0.000622		Pass
				30	-0.52	-0.000277		Pass
				40	-0.14	-0.000072		Pass
				50	-0.80	-0.000428		Pass
		High CH	LV	25	-0.01	-0.000008	+/- 2.5	Pass
			NV		0.30	0.000160		Pass
			HV		-0.67	-0.000357		Pass
			NV	-30	-0.56	-0.000299		Pass
				-20	0.84	0.000445		Pass
				-10	-0.85	-0.000451		Pass
				0	0.74	0.000392		Pass
				10	-0.15	-0.000082		Pass
				20	0.07	0.000035		Pass
				30	-0.91	-0.000486		Pass
				40	-0.13	-0.000071		Pass
				50	-1.08	-0.000573		Pass
LV=3.25V, NV=3.80V, HV=4.35V								



Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (QPSK)	1.4	Low CH	LV	25	1.31	0.000759	+/- 2.5	Pass
			NV		1.19	0.000686		Pass
			HV		2.36	0.001362		Pass
			NV	-30	1.54	0.000887		Pass
				-20	1.04	0.000601		Pass
				-10	-1.76	-0.001016		Pass
				0	-1.47	-0.000849		Pass
				10	1.52	0.000878		Pass
				20	2.96	0.001710		Pass
				30	2.92	0.001687		Pass
				40	-1.39	-0.000804		Pass
				50	-0.84	-0.000484		Pass
		Middle CH	LV	25	-0.41	-0.000238	+/- 2.5	Pass
			NV		-3.43	-0.001978		Pass
			HV		-3.05	-0.001761		Pass
			NV	-30	-1.83	-0.001056		Pass
				-20	-1.35	-0.000777		Pass
				-10	2.42	0.001397		Pass
				0	-1.08	-0.000621		Pass
				10	-0.40	-0.000233		Pass
				20	0.01	0.000003		Pass
				30	-1.31	-0.000759		Pass
				40	-0.45	-0.000259		Pass
				50	-0.62	-0.000358		Pass
		High CH	LV	25	0.88	0.000508	+/- 2.5	Pass
			NV		0.06	0.000033		Pass
			HV		1.95	0.001127		Pass
			NV	-30	0.63	0.000363		Pass
				-20	2.17	0.001254		Pass
				-10	0.83	0.000478		Pass
				0	0.57	0.000331		Pass
				10	1.19	0.000687		Pass
				20	0.66	0.000384		Pass
				30	0.82	0.000474		Pass
				40	-3.06	-0.001766		Pass
				50	-2.04	-0.001180		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (QPSK)	3.0	Low CH	LV	25	0.97	0.000558	+/- 2.5	Pass
			NV		-0.08	-0.000044		Pass
			HV		2.94	0.001696		Pass
			NV	-30	-2.11	-0.001217		Pass
				-20	-1.47	-0.000846		Pass
				-10	-1.93	-0.001116		Pass
				0	-2.06	-0.001186		Pass
				10	2.48	0.001430		Pass
				20	3.35	0.001933		Pass
				30	-0.82	-0.000474		Pass
				40	3.20	0.001849		Pass
				50	2.41	0.001392		Pass
		Middle CH	LV	25	-2.23	-0.001286	+/- 2.5	Pass
			NV		-0.19	-0.000108		Pass
			HV		1.64	0.000949		Pass
			NV	-30	-2.88	-0.001661		Pass
				-20	-3.74	-0.002159		Pass
				-10	0.95	0.000548		Pass
				0	0.06	0.000032		Pass
				10	-1.21	-0.000700		Pass
				20	2.40	0.001387		Pass
				30	-2.36	-0.001362		Pass
				40	-2.33	-0.001345		Pass
				50	2.48	0.001430		Pass
		High CH	LV	25	-0.51	-0.000295	+/- 2.5	Pass
			NV		2.19	0.001263		Pass
			HV		0.78	0.000448		Pass
			NV	-30	-0.06	-0.000032		Pass
				-20	-0.35	-0.000204		Pass
				-10	-0.79	-0.000459		Pass
				0	-0.25	-0.000144		Pass
				10	1.53	0.000881		Pass
				20	1.45	0.000837		Pass
				30	2.52	0.001456		Pass
				40	-2.40	-0.001383		Pass
				50	-1.98	-0.001144		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (QPSK)	5.0	Low CH	LV	25	2.25	0.001298	+/- 2.5	Pass
			NV		-0.85	-0.000491		Pass
			HV		-2.11	-0.001219		Pass
			NV	-30	0.18	0.000104		Pass
				-20	0.76	0.000436		Pass
				-10	-0.21	-0.000122		Pass
				0	-0.35	-0.000200		Pass
				10	-0.28	-0.000162		Pass
				20	-1.42	-0.000821		Pass
				30	0.50	0.000288		Pass
				40	0.60	0.000343		Pass
				50	2.34	0.001352		Pass
		Middle CH	LV	25	-1.26	-0.000726	+/- 2.5	Pass
			NV		-1.94	-0.001118		Pass
			HV		-0.35	-0.000203		Pass
			NV	-30	-0.68	-0.000395		Pass
				-20	-1.26	-0.000727		Pass
				-10	1.75	0.001011		Pass
				0	-1.88	-0.001085		Pass
				10	-1.81	-0.001046		Pass
				20	-2.20	-0.001271		Pass
				30	0.91	0.000523		Pass
				40	-0.44	-0.000255		Pass
				50	1.01	0.000581		Pass
		High CH	LV	25	0.58	0.000333	+/- 2.5	Pass
			NV		0.58	0.000333		Pass
			HV		-1.08	-0.000624		Pass
			NV	-30	-1.19	-0.000688		Pass
				-20	-1.50	-0.000868		Pass
				-10	3.90	0.002250		Pass
				0	-0.93	-0.000534		Pass
				10	2.25	0.001297		Pass
				20	-1.33	-0.000766		Pass
				30	-1.45	-0.000837		Pass
				40	-0.92	-0.000529		Pass
				50	4.48	0.002587		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (QPSK)	10.0	Low CH	LV	25	0.23	0.000130	+/- 2.5	Pass
			NV		0.14	0.000080		Pass
			HV		0.31	0.000180		Pass
			NV	-30	-0.53	-0.000304		Pass
				-20	0.47	0.000269		Pass
				-10	-1.16	-0.000669		Pass
				0	1.41	0.000814		Pass
				10	0.72	0.000417		Pass
				20	-0.46	-0.000266		Pass
				30	-0.77	-0.000442		Pass
				40	0.20	0.000114		Pass
				50	-0.81	-0.000468		Pass
		Middle CH	LV	25	-1.07	-0.000619	+/- 2.5	Pass
			NV		-0.78	-0.000448		Pass
			HV		0.85	0.000493		Pass
			NV	-30	0.16	0.000092		Pass
				-20	0.37	0.000214		Pass
				-10	-0.57	-0.000330		Pass
				0	-0.12	-0.000071		Pass
				10	-0.04	-0.000020		Pass
				20	-0.01	-0.000005		Pass
				30	-0.49	-0.000283		Pass
				40	1.01	0.000582		Pass
				50	0.01	0.000006		Pass
		High CH	LV	25	0.04	0.000024	+/- 2.5	Pass
			NV		0.04	0.000023		Pass
			HV		0.63	0.000364		Pass
			NV	-30	-0.07	-0.000041		Pass
				-20	-0.29	-0.000166		Pass
				-10	-0.26	-0.000151		Pass
				0	0.09	0.000051		Pass
				10	-0.74	-0.000427		Pass
				20	-0.31	-0.000182		Pass
				30	-0.24	-0.000140		Pass
				40	0.12	0.000068		Pass
				50	0.09	0.000052		Pass

LV=3.25V, NV=3.80V, HV=4.35V

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (QPSK)	15.0	Low CH	LV	25	1.61	0.000931	+/- 2.5	Pass
			NV		-0.52	-0.000299		Pass
			HV		-0.56	-0.000321		Pass
			NV	-30	-0.09	-0.000049		Pass
				-20	0.17	0.000101		Pass
				-10	0.24	0.000139		Pass
				0	-0.02	-0.000014		Pass
				10	-0.20	-0.000114		Pass
				20	0.59	0.000341		Pass
				30	0.21	0.000122		Pass
				40	-0.50	-0.000287		Pass
				50	0.36	0.000207		Pass
		Middle CH	LV	25	-0.10	-0.000055	+/- 2.5	Pass
			NV		0.13	0.000075		Pass
			HV		-0.31	-0.000181		Pass
			NV	-30	-0.11	-0.000062		Pass
				-20	0.55	0.000317		Pass
				-10	-0.90	-0.000521		Pass
				0	-0.91	-0.000528		Pass
				10	-0.73	-0.000419		Pass
				20	0.05	0.000027		Pass
				30	0.10	0.000060		Pass
				40	0.27	0.000158		Pass
				50	0.20	0.000113		Pass
		High CH	LV	25	0.42	0.000242	+/- 2.5	Pass
			NV		0.72	0.000417		Pass
			HV		-0.05	-0.000029		Pass
			NV	-30	0.39	0.000227		Pass
				-20	-0.98	-0.000567		Pass
				-10	0.87	0.000503		Pass
				0	0.47	0.000271		Pass
				10	-0.12	-0.000068		Pass
				20	0.80	0.000462		Pass
				30	0.93	0.000537		Pass
				40	-0.63	-0.000361		Pass
				50	0.49	0.000285		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (QPSK)	20.0	Low CH	LV	25	0.95	0.000551	+/- 2.5	Pass
			NV		0.12	0.000069		Pass
			HV		1.24	0.000717		Pass
			NV	-30	0.17	0.000097		Pass
				-20	-0.21	-0.000119		Pass
				-10	0.66	0.000381		Pass
				0	0.54	0.000309		Pass
				10	-0.39	-0.000222		Pass
				20	0.12	0.000068		Pass
				30	1.14	0.000658		Pass
				40	0.29	0.000168		Pass
				50	0.19	0.000108		Pass
		Middle CH	LV	25	-0.43	-0.000246	+/- 2.5	Pass
			NV		0.92	0.000533		Pass
			HV		-0.68	-0.000391		Pass
			NV	-30	-0.05	-0.000031		Pass
				-20	0.47	0.000269		Pass
				-10	0.80	0.000464		Pass
				0	1.46	0.000844		Pass
				10	0.08	0.000047		Pass
				20	0.73	0.000423		Pass
				30	-0.03	-0.000018		Pass
				40	-0.29	-0.000169		Pass
				50	-0.02	-0.000009		Pass
		High CH	LV	25	-0.50	-0.000287	+/- 2.5	Pass
			NV		1.57	0.000906		Pass
			HV		0.94	0.000542		Pass
			NV	-30	0.59	0.000343		Pass
				-20	0.64	0.000371		Pass
				-10	-0.05	-0.000031		Pass
				0	0.02	0.000010		Pass
				10	-0.87	-0.000503		Pass
				20	-0.66	-0.000381		Pass
				30	-0.32	-0.000185		Pass
				40	-0.61	-0.000355		Pass
				50	-0.32	-0.000186		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (16QAM)	1.4	Low CH	LV	25	1.65	0.000952	+/- 2.5	Pass
			NV		0.39	0.000226		Pass
			HV		-0.06	-0.000035		Pass
			NV	-30	-2.36	-0.001363		Pass
				-20	-1.97	-0.001136		Pass
				-10	-1.55	-0.000896		Pass
				0	-0.25	-0.000142		Pass
				10	-0.15	-0.000086		Pass
				20	0.82	0.000471		Pass
				30	1.45	0.000837		Pass
				40	1.45	0.000839		Pass
				50	-0.58	-0.000335		Pass
		Middle CH	LV	25	-1.78	-0.001029	+/- 2.5	Pass
			NV		-1.27	-0.000734		Pass
			HV		-1.92	-0.001107		Pass
			NV	-30	1.20	0.000693		Pass
				-20	2.68	0.001548		Pass
				-10	-1.01	-0.000582		Pass
				0	-2.80	-0.001615		Pass
				10	2.98	0.001721		Pass
				20	2.82	0.001625		Pass
				30	2.37	0.001371		Pass
				40	1.62	0.000934		Pass
				50	1.92	0.001106		Pass
		High CH	LV	25	-0.99	-0.000571	+/- 2.5	Pass
			NV		-2.08	-0.001203		Pass
			HV		-0.09	-0.000050		Pass
			NV	-30	-0.36	-0.000205		Pass
				-20	0.60	0.000347		Pass
				-10	1.26	0.000727		Pass
				0	1.57	0.000904		Pass
				10	1.39	0.000800		Pass
				20	3.11	0.001793		Pass
				30	0.89	0.000512		Pass
				40	1.87	0.001081		Pass
				50	1.29	0.000746		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (16QAM)	3.0	Low CH	LV	25	0.96	0.000555	+/- 2.5	Pass
			NV		-0.10	-0.000056		Pass
			HV		2.95	0.001702		Pass
			NV	-30	-0.61	-0.000353		Pass
				-20	0.66	0.000383		Pass
				-10	0.97	0.000560		Pass
				0	-2.91	-0.001680		Pass
				10	0.60	0.000348		Pass
				20	1.52	0.000877		Pass
				30	-2.50	-0.001446		Pass
				40	-1.55	-0.000893		Pass
				50	-0.30	-0.000175		Pass
		Middle CH	LV	25	-2.20	-0.001268	+/- 2.5	Pass
			NV		-0.21	-0.000122		Pass
			HV		1.65	0.000954		Pass
			NV	-30	-2.06	-0.001189		Pass
				-20	-2.12	-0.001222		Pass
				-10	1.75	0.001012		Pass
				0	2.31	0.001336		Pass
				10	1.98	0.001141		Pass
				20	1.02	0.000589		Pass
				30	1.55	0.000897		Pass
				40	1.51	0.000874		Pass
				50	1.07	0.000619		Pass
		High CH	LV	25	-0.47	-0.000272	+/- 2.5	Pass
			NV		2.20	0.001271		Pass
			HV		0.79	0.000453		Pass
			NV	-30	1.38	0.000796		Pass
				-20	-2.76	-0.001592		Pass
				-10	2.93	0.001691		Pass
				0	3.56	0.002053		Pass
				10	-0.54	-0.000310		Pass
				20	-2.32	-0.001341		Pass
				30	-2.31	-0.001336		Pass
				40	2.42	0.001396		Pass
				50	2.70	0.001556		Pass
LV=3.25V, NV=3.80V, HV=4.35V								



Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (16QAM)	5.0	Low CH	LV	25	0.31	0.000182	+/- 2.5	Pass
			NV		-2.21	-0.001273		Pass
			HV		-1.58	-0.000914		Pass
			NV	-30	-1.23	-0.000709		Pass
				-20	1.04	0.000603		Pass
				-10	0.74	0.000427		Pass
				0	0.36	0.000207		Pass
				10	2.11	0.001220		Pass
				20	0.18	0.000105		Pass
				30	-1.05	-0.000607		Pass
				40	0.38	0.000217		Pass
				50	-0.27	-0.000153		Pass
		Middle CH	LV	25	-2.44	-0.001410	+/- 2.5	Pass
			NV		2.52	0.001454		Pass
			HV		0.17	0.000098		Pass
			NV	-30	-2.70	-0.001560		Pass
				-20	-1.52	-0.000877		Pass
				-10	0.81	0.000466		Pass
				0	-2.09	-0.001204		Pass
				10	-1.58	-0.000914		Pass
				20	-1.76	-0.001016		Pass
				30	-1.70	-0.000979		Pass
				40	-2.88	-0.001663		Pass
				50	2.16	0.001244		Pass
		High CH	LV	25	1.74	0.001005	+/- 2.5	Pass
			NV		-1.11	-0.000642		Pass
			HV		0.43	0.000251		Pass
			NV	-30	0.39	0.000225		Pass
				-20	1.81	0.001046		Pass
				-10	-2.33	-0.001343		Pass
				0	0.46	0.000266		Pass
				10	2.46	0.001419		Pass
				20	3.81	0.002201		Pass
				30	3.98	0.002300		Pass
				40	-0.01	-0.000007		Pass
				50	0.48	0.000279		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (16QAM)	10.0	Low CH	LV	25	-0.23	-0.000132	+/- 2.5	Pass
			NV		0.19	0.000111		Pass
			HV		0.01	0.000009		Pass
			NV	-30	-0.21	-0.000121		Pass
				-20	-0.10	-0.000060		Pass
				-10	0.47	0.000273		Pass
				0	0.02	0.000012		Pass
				10	0.28	0.000162		Pass
				20	0.53	0.000306		Pass
				30	-0.18	-0.000104		Pass
				40	-0.08	-0.000044		Pass
				50	-0.27	-0.000156		Pass
		Middle CH	LV	25	-0.48	-0.000276	+/- 2.5	Pass
			NV		-1.06	-0.000613		Pass
			HV		-0.50	-0.000289		Pass
			NV	-30	-0.95	-0.000549		Pass
				-20	-1.00	-0.000580		Pass
				-10	-1.10	-0.000632		Pass
				0	0.11	0.000062		Pass
				10	0.17	0.000096		Pass
				20	-1.64	-0.000944		Pass
				30	-0.50	-0.000288		Pass
				40	-0.01	-0.000003		Pass
				50	-0.09	-0.000053		Pass
		High CH	LV	25	1.39	0.000805	+/- 2.5	Pass
			NV		-0.62	-0.000355		Pass
			HV		0.68	0.000390		Pass
			NV	-30	-0.26	-0.000152		Pass
				-20	0.42	0.000241		Pass
				-10	-0.18	-0.000101		Pass
				0	-0.41	-0.000237		Pass
				10	0.89	0.000516		Pass
				20	0.22	0.000126		Pass
				30	0.48	0.000276		Pass
				40	-0.58	-0.000335		Pass
				50	0.42	0.000240		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (16QAM)	15.0	Low CH	LV	25	0.92	0.000533	+/- 2.5	Pass
			NV		0.63	0.000364		Pass
			HV		0.19	0.000112		Pass
			NV	-30	0.73	0.000424		Pass
				-20	0.17	0.000101		Pass
				-10	0.13	0.000073		Pass
				0	0.11	0.000062		Pass
				10	0.50	0.000287		Pass
				20	0.30	0.000174		Pass
				30	-0.53	-0.000305		Pass
				40	0.24	0.000140		Pass
				50	0.50	0.000289		Pass
		Middle CH	LV	25	0.74	0.000427	+/- 2.5	Pass
			NV		1.08	0.000622		Pass
			HV		0.38	0.000219		Pass
			NV	-30	-0.02	-0.000010		Pass
				-20	0.39	0.000227		Pass
				-10	0.11	0.000063		Pass
				0	-0.48	-0.000280		Pass
				10	0.42	0.000242		Pass
				20	-0.19	-0.000112		Pass
				30	-0.14	-0.000081		Pass
				40	0.49	0.000282		Pass
				50	0.15	0.000084		Pass
		High CH	LV	25	-0.13	-0.000072	+/- 2.5	Pass
			NV		-0.91	-0.000523		Pass
			HV		0.12	0.000068		Pass
			NV	-30	0.80	0.000465		Pass
				-20	0.45	0.000259		Pass
				-10	-0.82	-0.000475		Pass
				0	-0.37	-0.000213		Pass
				10	0.00	0.000002		Pass
				20	-0.26	-0.000152		Pass
				30	0.38	0.000220		Pass
				40	-1.52	-0.000880		Pass
				50	-0.14	-0.000082		Pass
LV=3.25V, NV=3.80V, HV=4.35V								

Mode	Test Bandwidth	Test Channel	Test Volt.	Test Temp.	Frequency error (Hz)	Result (ppm)	Limit (ppm)	Verdict
LTE BAND IV (16QAM)	20.0	Low CH	LV	25	1.15	0.000661	+/- 2.5	Pass
			NV		0.48	0.000277		Pass
			HV		-0.39	-0.000225		Pass
			NV	-30	0.69	0.000397		Pass
				-20	1.56	0.000901		Pass
				-10	0.37	0.000215		Pass
				0	0.18	0.000102		Pass
				10	0.43	0.000247		Pass
				20	0.63	0.000361		Pass
				30	-0.22	-0.000125		Pass
				40	-0.36	-0.000206		Pass
				50	0.34	0.000199		Pass
		Middle CH	LV	25	0.11	0.000066	+/- 2.5	Pass
			NV		-0.41	-0.000235		Pass
			HV		-0.28	-0.000161		Pass
			NV	-30	-0.77	-0.000447		Pass
				-20	-0.20	-0.000115		Pass
				-10	-0.37	-0.000212		Pass
				0	0.29	0.000167		Pass
				10	-0.30	-0.000171		Pass
				20	-0.38	-0.000221		Pass
				30	-0.49	-0.000281		Pass
				40	-0.11	-0.000063		Pass
				50	1.18	0.000682		Pass
		High CH	LV	25	0.02	0.000014	+/- 2.5	Pass
			NV		0.18	0.000101		Pass
			HV		-0.52	-0.000301		Pass
			NV	-30	0.88	0.000507		Pass
				-20	0.41	0.000239		Pass
				-10	0.76	0.000437		Pass
				0	0.00	-0.000003		Pass
				10	-0.03	-0.000017		Pass
				20	-0.43	-0.000249		Pass
				30	0.52	0.000297		Pass
				40	-0.83	-0.000478		Pass
				50	-0.38	-0.000222		Pass
LV=3.25V, NV=3.80V, HV=4.35V								