

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (15MHz) 16 QAM	Lowest	75	0	H	V	24.81	33.00	Pass
					H	22.58		
				E1	V	24.71		
					H	22.47		
				E2	V	24.61		
					H	22.35		
	Middle	75	0	H	V	24.86	33.00	Pass
					H	22.64		
				E1	V	24.74		
					H	22.70		
				E2	V	24.79		
					H	22.41		
	Highest	75	0	H	V	24.85	33.00	Pass
					H	22.52		
				E1	V	24.63		
					H	22.57		
				E2	V	24.92		
					H	22.57		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (20MHz) 16 QAM	Lowest	100	0	H	V	24.75	33.00	Pass
					H	22.55		
				E1	V	24.83		
					H	22.49		
				E2	V	24.60		
					H	22.58		
	Middle	100	0	H	V	24.82	33.00	Pass
					H	22.47		
				E1	V	24.58		
					H	22.72		
				E2	V	24.81		
					H	22.50		
	Highest	100	0	H	V	24.86	33.00	Pass
					H	22.50		
				E1	V	24.76		
					H	22.54		
				E2	V	24.70		
					H	22.61		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (1.4MHz) QPSK	Lowest	6	0	H	V	24.73	33.00	Pass
					H	22.64		
				E1	V	24.87		
					H	22.68		
				E2	V	24.60		
					H	22.36		
	Middle	6	0	H	V	24.89	33.00	Pass
					H	22.48		
				E1	V	24.78		
					H	22.63		
				E2	V	24.85		
					H	22.55		
	Highest	6	0	H	V	24.77	33.00	Pass
					H	22.38		
				E1	V	24.67		
					H	22.52		
				E2	V	24.85		
					H	22.60		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (3MHz) QPSK	Lowest	15	0	H	V	24.67	33.00	Pass
					H	22.51		
				E1	V	24.67		
					H	22.52		
				E2	V	24.70		
					H	22.58		
	Middle	15	0	H	V	24.78	33.00	Pass
					H	22.68		
				E1	V	24.76		
					H	22.56		
				E2	V	24.84		
					H	22.62		
	Highest	15	0	H	V	24.78	33.00	Pass
					H	22.48		
				E1	V	24.78		
					H	22.53		
				E2	V	24.78		
					H	22.63		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (5MHz) QPSK	Lowest	25	0	H	V	24.64	33.00	Pass
					H	22.53		
				E1	V	24.65		
					H	22.68		
				E2	V	24.71		
					H	22.37		
	Middle	25	0	H	V	24.69	33.00	Pass
					H	22.49		
				E1	V	24.64		
					H	22.69		
				E2	V	24.73		
					H	22.51		
	Highest	25	0	H	V	24.69	33.00	Pass
					H	22.33		
				E1	V	24.79		
					H	22.50		
				E2	V	24.76		
					H	22.52		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (10MHz) QPSK	Lowest	50	0	H	V	24.74	33.00	Pass
					H	22.69		
				E1	V	24.64		
					H	22.52		
				E2	V	24.76		
					H	22.57		
	Middle	50	0	H	V	24.87	33.00	Pass
					H	22.62		
				E1	V	24.79		
					H	22.55		
				E2	V	24.75		
					H	22.42		
	Highest	50	0	H	V	24.89	33.00	Pass
					H	22.38		
				E1	V	24.85		
					H	22.44		
				E2	V	24.85		
					H	22.44		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (1.4MHz) 16QAM	Lowest	6	0	H	V	24.70	33.00	Pass
					H	22.64		
				E1	V	24.77		
					H	22.55		
				E2	V	24.53		
					H	22.53		
	Middle	6	0	H	V	24.71	33.00	Pass
					H	22.50		
				E1	V	24.82		
					H	22.58		
				E2	V	24.84		
					H	22.39		
	Highest	6	0	H	V	24.92	33.00	Pass
					H	22.39		
				E1	V	24.79		
					H	22.65		
				E2	V	24.69		
					H	22.49		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (3MHz) 16QAM	Lowest	15	0	H	V	24.65	33.00	Pass
					H	22.67		
				E1	V	24.81		
					H	22.69		
				E2	V	24.67		
					H	22.54		
	Middle	15	0	H	V	24.89	33.00	Pass
					H	22.68		
				E1	V	24.72		
					H	22.63		
				E2	V	24.69		
					H	22.39		
	Highest	15	0	H	V	24.74	33.00	Pass
					H	22.31		
				E1	V	24.67		
					H	22.47		
				E2	V	24.91		
					H	22.50		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (5MHz) 16QAM	Lowest	25	0	H	V	24.78	33.00	Pass
					H	22.63		
				E1	V	24.75		
					H	22.71		
				E2	V	24.74		
					H	22.52		
	Middle	25	0	H	V	24.79	33.00	Pass
					H	22.57		
				E1	V	24.70		
					H	22.49		
				E2	V	24.74		
					H	22.54		
	Highest	25	0	H	V	24.75	33.00	Pass
					H	22.32		
				E1	V	24.85		
					H	22.64		
				E2	V	24.76		
					H	22.50		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (10MHz) 16QAM	Lowest	50	0	H	V	24.60	33.00	Pass
					H	22.63		
				E1	V	24.88		
					H	22.68		
				E2	V	24.65		
					H	22.38		
	Middle	50	0	H	V	24.91	33.00	Pass
					H	22.62		
				E1	V	24.77		
					H	22.72		
				E2	V	24.75		
					H	22.42		
	Highest	50	0	H	V	24.78	33.00	Pass
					H	22.40		
				E1	V	24.75		
					H	22.65		
				E2	V	24.91		
					H	22.42		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (5MHz) QPSK	Lowest	25	0	H	V	24.76	33.00	Pass
					H	22.50		
				E1	V	24.78		
					H	22.61		
				E2	V	24.53		
					H	22.45		
	Middle	25	0	H	V	24.84	33.00	Pass
					H	22.66		
				E1	V	24.58		
					H	22.58		
				E2	V	24.72		
					H	22.45		
	Highest	25	0	H	V	24.89	33.00	Pass
					H	22.50		
				E1	V	24.67		
					H	22.46		
				E2	V	24.79		
					H	22.60		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (10MHz) QPSK	Lowest	50	0	H	V	24.73	33.00	Pass
					H	22.53		
				E1	V	24.74		
					H	22.63		
				E2	V	24.57		
					H	22.59		
	Middle	50	0	H	V	24.74	33.00	Pass
					H	22.61		
				E1	V	24.61		
					H	22.51		
				E2	V	24.70		
					H	22.51		
	Highest	50	0	H	V	24.84	33.00	Pass
					H	22.46		
				E1	V	24.68		
					H	22.58		
				E2	V	24.84		
					H	22.52		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (5MHz) 16QAM	Lowest	25	0	H	V	24.79	33.00	Pass
					H	22.60		
				E1	V	24.81		
					H	22.47		
				E2	V	24.63		
					H	22.43		
	Middle	25	0	H	V	24.68	33.00	Pass
					H	22.70		
				E1	V	24.64		
					H	22.59		
				E2	V	24.64		
					H	22.55		
	Highest	25	0	H	V	24.90	33.00	Pass
					H	22.50		
				E1	V	24.73		
					H	22.59		
				E2	V	24.92		
					H	22.51		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (10MHz) 16QAM	Lowest	50	0	H	V	24.62	33.00	Pass
					H	22.63		
				E1	V	24.65		
					H	22.54		
				E2	V	24.57		
					H	22.53		
	Middle	50	0	H	V	24.86	33.00	Pass
					H	22.70		
				E1	V	24.58		
					H	22.71		
				E2	V	24.73		
					H	22.44		
	Highest	50	0	H	V	24.79	33.00	Pass
					H	22.34		
				E1	V	24.73		
					H	22.47		
				E2	V	24.90		
					H	22.54		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (5MHz) QPSK	Lowest	75	0	H	V	24.74	33.00	Pass
					H	22.72		
				E1	V	24.80		
					H	22.60		
				E2	V	24.75		
					H	22.57		
	Middle	75	0	H	V	24.76	33.00	Pass
					H	22.53		
				E1	V	24.67		
					H	22.54		
				E2	V	24.73		
					H	22.39		
	Highest	75	0	H	V	24.89	33.00	Pass
					H	22.47		
				E1	V	24.80		
					H	22.58		
				E2	V	24.74		
					H	22.58		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (10MHz) QPSK	Lowest	75	0	H	V	24.81	33.00	Pass
					H	22.70		
				E1	V	24.80		
					H	22.60		
				E2	V	24.67		
					H	22.47		
	Middle	75	0	H	V	24.74	33.00	Pass
					H	22.50		
				E1	V	24.76		
					H	22.63		
				E2	V	24.81		
					H	22.58		
	Highest	75	0	H	V	24.77	33.00	Pass
					H	22.37		
				E1	V	24.85		
					H	22.56		
				E2	V	24.69		
					H	22.55		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (15MHz) QPSK	Lowest	75	0	H	V	24.76	33.00	Pass
					H	22.65		
				E1	V	24.75		
					H	22.48		
				E2	V	24.71		
					H	22.41		
	Middle	75	0	H	V	24.69	33.00	Pass
					H	22.67		
				E1	V	24.80		
					H	22.51		
				E2	V	24.63		
					H	22.58		
	Highest	75	0	H	V	24.91	33.00	Pass
					H	22.51		
				E1	V	24.75		
					H	22.57		
				E2	V	24.72		
					H	22.57		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (20MHz) QPSK	Lowest	75	0	H	V	24.64	33.00	Pass
					H	22.48		
				E1	V	24.71		
					H	22.61		
				E2	V	24.54		
					H	22.57		
	Middle	75	0	H	V	24.87	33.00	Pass
					H	22.59		
				E1	V	24.71		
					H	22.60		
				E2	V	24.75		
					H	22.46		
	Highest	75	0	H	V	24.75	33.00	Pass
					H	22.51		
				E1	V	24.78		
					H	22.55		
				E2	V	24.76		
					H	22.48		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (5MHz) 16 QAM	Lowest	75	0	H	V	24.82	33.00	Pass
					H	22.71		
				E1	V	24.88		
					H	22.53		
				E2	V	24.53		
					H	22.45		
	Middle	75	0	H	V	24.71	33.00	Pass
					H	22.57		
				E1	V	24.81		
					H	22.56		
				E2	V	24.64		
					H	22.52		
	Highest	75	0	H	V	24.93	33.00	Pass
					H	22.36		
				E1	V	24.78		
					H	22.66		
				E2	V	24.91		
					H	22.49		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (10MHz) 16 QAM	Lowest	75	0	H	V	24.82	33.00	Pass
					H	22.52		
				E1	V	24.85		
					H	22.66		
				E2	V	24.72		
					H	22.39		
	Middle	75	0	H	V	24.76	33.00	Pass
					H	22.54		
				E1	V	24.76		
					H	22.70		
				E2	V	24.74		
					H	22.45		
	Highest	75	0	H	V	24.71	33.00	Pass
					H	22.53		
				E1	V	24.63		
					H	22.47		
				E2	V	24.88		
					H	22.56		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (15MHz) 16 QAM	Lowest	75	0	H	V	24.73	33.00	Pass
					H	22.70		
				E1	V	24.85		
					H	22.64		
				E2	V	24.70		
					H	22.38		
	Middle	75	0	H	V	24.79	33.00	Pass
					H	22.57		
				E1	V	24.61		
					H	22.73		
				E2	V	24.85		
					H	22.46		
	Highest	75	0	H	V	24.78	33.00	Pass
					H	22.46		
				E1	V	24.76		
					H	22.52		
				E2	V	24.86		
					H	22.41		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 38 (20MHz) 16 QAM	Lowest	75	0	H	V	24.82	33.00	Pass
					H	22.66		
				E1	V	24.72		
					H	22.53		
				E2	V	24.74		
					H	22.57		
	Middle	75	0	H	V	24.76	33.00	Pass
					H	22.51		
				E1	V	24.76		
					H	22.60		
				E2	V	24.68		
					H	22.45		
	Highest	75	0	H	V	24.75	33.00	Pass
					H	22.30		
				E1	V	24.84		
					H	22.65		
				E2	V	24.70		
					H	22.48		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (5MHz) QPSK	Lowest	25	0	H	V	24.83	33.00	Pass
					H	22.62		
				E1	V	24.78		
					H	22.60		
				E2	V	24.59		
					H	22.49		
	Middle	25	0	H	V	24.84	33.00	Pass
					H	22.70		
				E1	V	24.78		
					H	22.50		
				E2	V	24.65		
					H	22.46		
	Highest	25	0	H	V	24.85	33.00	Pass
					H	22.47		
				E1	V	24.73		
					H	22.51		
				E2	V	24.91		
					H	22.37		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (10MHz) QPSK	Lowest	50	0	H	V	24.62	33.00	Pass
					H	22.70		
				E1	V	24.73		
					H	22.66		
				E2	V	24.67		
					H	22.41		
	Middle	50	0	H	V	24.83	33.00	Pass
					H	22.60		
				E1	V	24.81		
					H	22.67		
				E2	V	24.65		
					H	22.48		
	Highest	50	0	H	V	24.83	33.00	Pass
					H	22.46		
				E1	V	24.83		
					H	22.62		
				E2	V	24.71		
					H	22.49		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (15MHz) QPSK	Lowest	75	0	H	V	24.80	33.00	Pass
					H	22.71		
				E1	V	24.66		
					H	22.63		
				E2	V	24.70		
					H	22.54		
	Middle	75	0	H	V	24.91	33.00	Pass
					H	22.54		
				E1	V	24.75		
					H	22.52		
				E2	V	24.82		
					H	22.48		
	Highest	75	0	H	V	24.89	33.00	Pass
					H	22.30		
				E1	V	24.71		
					H	22.63		
				E2	V	24.75		
					H	22.41		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (20MHz) QPSK	Lowest	100	0	H	V	24.63	33.00	Pass
					H	22.65		
				E1	V	24.82		
					H	22.61		
				E2	V	24.72		
					H	22.55		
	Middle	100	0	H	V	24.77	33.00	Pass
					H	22.65		
				E1	V	24.69		
					H	22.51		
				E2	V	24.63		
					H	22.54		
	Highest	100	0	H	V	24.79	33.00	Pass
					H	22.45		
				E1	V	24.67		
					H	22.49		
				E2	V	24.92		
					H	22.49		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (5MHz) 16 QAM	Lowest	25	0	H	V	24.80	33.00	Pass
					H	22.70		
				E1	V	24.67		
					H	22.48		
				E2	V	24.72		
					H	22.48		
	Middle	25	0	H	V	24.87	33.00	Pass
					H	22.67		
				E1	V	24.68		
					H	22.63		
				E2	V	24.85		
					H	22.56		
	Highest	25	0	H	V	24.77	33.00	Pass
					H	22.41		
				E1	V	24.73		
					H	22.49		
				E2	V	24.86		
					H	22.54		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (10MHz) 16 QAM	Lowest	50	0	H	V	24.76	33.00	Pass
					H	22.65		
				E1	V	24.85		
					H	22.54		
				E2	V	24.72		
					H	22.42		
	Middle	50	0	H	V	24.88	33.00	Pass
					H	22.65		
				E1	V	24.65		
					H	22.63		
				E2	V	24.83		
					H	22.51		
	Highest	50	0	H	V	24.76	33.00	Pass
					H	22.34		
				E1	V	24.81		
					H	22.56		
				E2	V	24.89		
					H	22.43		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (15MHz) 16 QAM	Lowest	75	0	H	V	24.60	33.00	Pass
					H	22.59		
				E1	V	24.74		
					H	22.56		
				E2	V	24.77		
					H	22.56		
	Middle	75	0	H	V	24.73	33.00	Pass
					H	22.71		
				E1	V	24.72		
					H	22.66		
				E2	V	24.63		
					H	22.59		
	Highest	75	0	H	V	24.92	33.00	Pass
					H	22.43		
				E1	V	24.82		
					H	22.51		
				E2	V	24.81		
					H	22.53		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (20MHz) 16 QAM	Lowest	100	0	H	V	24.72	33.00	Pass
					H	22.51		
				E1	V	24.71		
					H	22.55		
				E2	V	24.54		
					H	22.48		
	Middle	100	0	H	V	24.79	33.00	Pass
					H	22.52		
				E1	V	24.67		
					H	22.55		
				E2	V	24.62		
					H	22.51		
	Highest	100	0	H	V	24.89	33.00	Pass
					H	22.30		
				E1	V	24.71		
					H	22.66		
				E2	V	24.79		
					H	22.45		

Appendix A.7: Field Strength Of Spurious Radiation Measurement

Measurement Data:

QPSK Mode:

Test mode:	LTE Band 2(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.93	-13.00	Pass
5552.10	V	-39.06		
7402.80	V	-38.38		
9253.50	V	-43.67		
11104.20	V	---		
3701.40	Horizontal	-38.88	-13.00	Pass
5552.10	H	-42.96		
7402.80	H	-45.05		
9253.50	H	-46.32		
11104.20	H	---		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.67	-13.00	Pass
5640.00	V	-39.24		
7520.00	V	-38.23		
9400.00	V	-43.52		
11280.00	V	---		
3760.00	Horizontal	-39.35	-13.00	Pass
5640.00	H	-42.68		
7520.00	H	-44.56		
9400.00	H	-46.11		
11280.00	H	---		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.08	-13.00	Pass
5727.90	V	-39.50		
7637.20	V	-37.56		
9546.50	V	-43.32		
11455.80	V	---		
3818.60	Horizontal	-39.08	-13.00	Pass
5727.90	H	-42.24		
7637.20	H	-44.68		
9546.50	H	-46.24		
11455.80	H	---		

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3421.40	Vertical	-36.40	-13.00	Pass
5132.10	V	-39.90		
6842.80	V	-38.38		
8553.50	V	-43.48		
10264.20	V	---		
3421.40	Horizontal	-38.91	-13.00	Pass
5132.10	H	-42.32		
6842.80	H	-44.53		
8553.50	H	-45.89		
10264.20	H	---		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3465.00	Vertical	-36.35	-13.00	Pass
5197.50	V	-39.64		
6930.00	V	-37.53		
8662.50	V	-43.36		
10395.00	V	---		
3465.00	Horizontal	-38.60	-13.00	Pass
5197.50	H	-42.76		
6930.00	H	-45.32		
8662.50	H	-45.50		
10395.00	H	---		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3508.60	Vertical	-36.90	-13.00	Pass
5262.90	V	-39.11		
7017.20	V	-37.99		
8771.50	V	-43.79		
10525.80	V	---		
3508.60	Horizontal	-38.99	-13.00	Pass
5262.90	H	-42.37		
7017.20	H	-44.52		
8771.50	H	-46.30		
10525.80	H	---		

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1649.40	Vertical	-36.80	-13.00	Pass
2474.10	V	-39.45		
3298.80	V	-37.94		
4123.50	V	-43.41		
4948.20	V	---		
1649.40	Horizontal	-38.74	-13.00	Pass
2474.10	H	-42.62		
3298.80	H	-44.92		
4123.50	H	-46.17		
4948.20	H	---		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.00	Vertical	-36.91	-13.00	Pass
2509.50	V	-39.34		
3346.00	V	-38.42		
4182.50	V	-43.33		
5019.00	V	---		
1673.00	Horizontal	-38.90	-13.00	Pass
2509.50	H	-42.10		
3346.00	H	-45.13		
4182.50	H	-46.48		
5019.00	H	---		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1696.60	Vertical	-36.46	-13.00	Pass
2544.90	V	-39.55		
3393.20	V	-37.96		
4241.50	V	-43.48		
5089.80	V	---		
1696.60	Horizontal	-39.01	-13.00	Pass
2544.90	H	-42.87		
3393.20	H	-45.18		
4241.50	H	-45.53		
5089.80	H	---		

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-36.56	-25.00	Pass
7507.50	V	-39.60		
10010.00	V	-38.26		
12512.50	V	-43.64		
15015.00	V	---		
5005.00	Horizontal	-39.27	-25.00	Pass
7507.50	H	-42.83		
10010.00	H	-44.72		
12512.50	H	-45.54		
15015.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-37.07	-25.00	Pass
7605.00	V	-39.31		
10140.00	V	-37.53		
12675.00	V	-43.12		
15210.00	V	---		
5070.00	Horizontal	-39.22	-25.00	Pass
7605.00	H	-42.87		
10140.00	H	-44.42		
12675.00	H	-46.11		
15210.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.91	-25.00	Pass
7702.50	V	-39.68		
10270.00	V	-37.97		
12837.50	V	-43.66		
15405.00	V	---		
5135.00	Horizontal	-39.53	-25.00	Pass
7702.50	H	-42.56		
10270.00	H	-44.83		
12837.50	H	-46.30		
15405.00	H	---		

Test mode:	LTE Band 12(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-37.29	-25.00	Pass
7507.50	V	-39.09		
10010.00	V	-37.82		
12512.50	V	-43.17		
15015.00	V	---		
5005.00	Horizontal	-38.96	-25.00	Pass
7507.50	H	-42.10		
10010.00	H	-44.80		
12512.50	H	-45.98		
15015.00	H	---		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-37.02	-25.00	Pass
7605.00	V	-39.24		
10140.00	V	-38.17		
12675.00	V	-43.33		
15210.00	V	---		
5070.00	Horizontal	-38.69	-25.00	Pass
7605.00	H	-42.79		
10140.00	H	-44.44		
12675.00	H	-45.64		
15210.00	H	---		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.50	-25.00	Pass
7702.50	V	-38.96		
10270.00	V	-38.27		
12837.50	V	-43.77		
15405.00	V	---		
5135.00	Horizontal	-39.08	-25.00	Pass
7702.50	H	-42.99		
10270.00	H	-44.94		
12837.50	H	-45.98		
15405.00	H	---		

Test mode:	LTE Band 17(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-36.50	-25.00	Pass
7507.50	V	-39.53		
10010.00	V	-37.70		
12512.50	V	-43.74		
15015.00	V	---		
5005.00	Horizontal	-39.12	-25.00	Pass
7507.50	H	-42.59		
10010.00	H	-45.05		
12512.50	H	-45.66		
15015.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-37.21	-25.00	Pass
7605.00	V	-39.30		
10140.00	V	-37.79		
12675.00	V	-42.86		
15210.00	V	---		
5070.00	Horizontal	-39.46	-25.00	Pass
7605.00	H	-43.02		
10140.00	H	-44.59		
12675.00	H	-46.48		
15210.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.69	-25.00	Pass
7702.50	V	-39.66		
10270.00	V	-37.70		
12837.50	V	-43.61		
15405.00	V	---		
5135.00	Horizontal	-38.62	-25.00	Pass
7702.50	H	-42.77		
10270.00	H	-44.53		
12837.50	H	-45.93		
15405.00	H	---		

Test mode:	LTE Band 38 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.66	-13.00	Pass
5552.10	V	-39.89		
7402.80	V	-38.14		
9253.50	V	-42.96		
11104.20	V	---		
3701.40	Horizontal	-39.04	-13.00	Pass
5552.10	H	-42.44		
7402.80	H	-45.12		
9253.50	H	-46.31		
11104.20	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-37.03	-13.00	Pass
5640.00	V	-39.34		
7520.00	V	-37.50		
9400.00	V	-42.98		
11280.00	V	---		
3760.00	Horizontal	-39.52	-13.00	Pass
5640.00	H	-42.73		
7520.00	H	-44.71		
9400.00	H	-46.37		
11280.00	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.60	-13.00	Pass
5727.90	V	-39.15		
7637.20	V	-38.12		
9546.50	V	-43.45		
11455.80	V	---		
3818.60	Horizontal	-39.22	-13.00	Pass
5727.90	H	-42.09		
7637.20	H	-44.45		
9546.50	H	-46.24		
11455.80	H	---		

Test mode:	LTE Band 41 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.54	-13.00	Pass
5552.10	V	-39.20		
7402.80	V	-38.10		
9253.50	V	-43.00		
11104.20	V	---		
3701.40	Horizontal	-39.44	-13.00	Pass
5552.10	H	-42.85		
7402.80	H	-45.22		
9253.50	H	-45.77		
11104.20	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.74	-13.00	Pass
5640.00	V	-39.72		
7520.00	V	-37.76		
9400.00	V	-43.00		
11280.00	V	---		
3760.00	Horizontal	-39.33	-13.00	Pass
5640.00	H	-42.98		
7520.00	H	-44.72		
9400.00	H	-46.38		
11280.00	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.74	-13.00	Pass
5727.90	V	-39.51		
7637.20	V	-37.68		
9546.50	V	-42.91		
11455.80	V	---		
3818.60	Horizontal	-39.12	-13.00	Pass
5727.90	H	-42.80		
7637.20	H	-44.65		
9546.50	H	-46.01		
11455.80	H	---		

Remark:

1.The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.

2.Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3.The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst

16 QAM Mode:

Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-37.30	-13.00	Pass
5552.10	V	-39.35		
7402.80	V	-38.01		
9253.50	V	-43.77		
11104.20	V	---		
3701.40	Horizontal	-39.47	-13.00	Pass
5552.10	H	-42.15		
7402.80	H	-45.27		
9253.50	H	-46.40		
11104.20	H	---		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.83	-13.00	Pass
5640.00	V	-39.69		
7520.00	V	-38.12		
9400.00	V	-42.97		
11280.00	V	---		
3760.00	Horizontal	-39.11	-13.00	Pass
5640.00	H	-42.23		
7520.00	H	-44.48		
9400.00	H	-46.44		
11280.00	H	---		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.51	-13.00	Pass
5727.90	V	-39.35		
7637.20	V	-37.83		
9546.50	V	-43.21		
11455.80	V	---		
3818.60	Horizontal	-39.09	-13.00	Pass
5727.90	H	-42.27		
7637.20	H	-45.21		
9546.50	H	-46.15		
11455.80	H	---		

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3421.40	Vertical	-36.33	-13.00	Pass
5132.10	V	-39.59		
6842.80	V	-37.77		
8553.50	V	-43.70		
10264.20	V	---		
3421.40	Horizontal	-39.00	-13.00	Pass
5132.10	H	-42.97		
6842.80	H	-44.87		
8553.50	H	-46.02		
10264.20	H	---		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3465.00	Vertical	-36.92	-13.00	Pass
5197.50	V	-39.48		
6930.00	V	-38.19		
8662.50	V	-42.93		
10395.00	V	---		
3465.00	Horizontal	-38.58	-13.00	Pass
5197.50	H	-42.65		
6930.00	H	-44.67		
8662.50	H	-45.71		
10395.00	H	---		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3508.60	Vertical	-36.37	-13.00	Pass
5262.90	V	-39.10		
7017.20	V	-37.58		
8771.50	V	-42.94		
10525.80	V	---		
3508.60	Horizontal	-38.66	-13.00	Pass
5262.90	H	-42.28		
7017.20	H	-44.59		
8771.50	H	-46.19		
10525.80	H	---		

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1649.40	Vertical	-36.52	-13.00	Pass
2474.10	V	-39.64		
3298.80	V	-37.56		
4123.50	V	-43.03		
4948.20	V	---		
1649.40	Horizontal	-39.40	-13.00	Pass
2474.10	H	-42.86		
3298.80	H	-45.31		
4123.50	H	-45.82		
4948.20	H	---		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.00	Vertical	-36.99	-13.00	Pass
2509.50	V	-39.39		
3346.00	V	-37.82		
4182.50	V	-43.10		
5019.00	V	---		
1673.00	Horizontal	-39.41	-13.00	Pass
2509.50	H	-42.42		
3346.00	H	-45.08		
4182.50	H	-45.52		
5019.00	H	---		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1696.60	Vertical	-37.23	-13.00	Pass
2544.90	V	-39.25		
3393.20	V	-37.73		
4241.50	V	-43.25		
5089.80	V	---		
1696.60	Horizontal	-38.68	-13.00	Pass
2544.90	H	-42.15		
3393.20	H	-44.40		
4241.50	H	-46.36		
5089.80	H	---		

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-37.24	-25.00	Pass
7507.50	V	-39.71		
10010.00	V	-38.41		
12512.50	V	-43.34		
15015.00	V	---		
5005.00	Horizontal	-39.03	-25.00	Pass
7507.50	H	-42.27		
10010.00	H	-44.55		
12512.50	H	-45.89		
15015.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-36.68	-25.00	Pass
7605.00	V	-39.42		
10140.00	V	-37.62		
12675.00	V	-43.55		
15210.00	V	---		
5070.00	Horizontal	-39.35	-25.00	Pass
7605.00	H	-42.36		
10140.00	H	-44.60		
12675.00	H	-46.04		
15210.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.84	-25.00	Pass
7702.50	V	-38.98		
10270.00	V	-37.65		
12837.50	V	-43.44		
15405.00	V	---		
5135.00	Horizontal	-39.10	-25.00	Pass
7702.50	H	-42.93		
10270.00	H	-44.83		
12837.50	H	-46.15		
15405.00	H	---		

Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.88	-13.00	Pass
5552.10	V	-39.55		
7402.80	V	-38.00		
9253.50	V	-43.04		
11104.20	V	---		
3701.40	Horizontal	-39.23	-13.00	Pass
5552.10	H	-42.55		
7402.80	H	-45.14		
9253.50	H	-46.12		
11104.20	H	---		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.57	-13.00	Pass
5640.00	V	-39.47		
7520.00	V	-38.17		
9400.00	V	-43.23		
11280.00	V	---		
3760.00	Horizontal	-39.09	-13.00	Pass
5640.00	H	-42.37		
7520.00	H	-44.60		
9400.00	H	-46.06		
11280.00	H	---		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.30	-13.00	Pass
5727.90	V	-39.74		
7637.20	V	-38.37		
9546.50	V	-43.73		
11455.80	V	---		
3818.60	Horizontal	-39.18	-13.00	Pass
5727.90	H	-42.22		
7637.20	H	-44.64		
9546.50	H	-46.18		
11455.80	H	---		

Test mode:	LTE Band 17(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-36.75	-25.00	Pass
7507.50	V	-39.91		
10010.00	V	-37.55		
12512.50	V	-42.85		
15015.00	V	---		
5005.00	Horizontal	-39.26	-25.00	Pass
7507.50	H	-42.29		
10010.00	H	-45.22		
12512.50	H	-46.07		
15015.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-37.09	-25.00	Pass
7605.00	V	-39.30		
10140.00	V	-37.97		
12675.00	V	-43.77		
15210.00	V	---		
5070.00	Horizontal	-39.29	-25.00	Pass
7605.00	H	-42.89		
10140.00	H	-44.38		
12675.00	H	-46.02		
15210.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.71	-25.00	Pass
7702.50	V	-39.30		
10270.00	V	-38.47		
12837.50	V	-43.75		
15405.00	V	---		
5135.00	Horizontal	-39.14	-25.00	Pass
7702.50	H	-43.00		
10270.00	H	-44.63		
12837.50	H	-46.01		
15405.00	H	---		

Test mode:	LTE Band 38 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.94	-13.00	Pass
5552.10	V	-38.98		
7402.80	V	-37.99		
9253.50	V	-43.35		
11104.20	V	---		
3701.40	Horizontal	-39.23	-13.00	Pass
5552.10	H	-42.25		
7402.80	H	-44.51		
9253.50	H	-45.92		
11104.20	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.95	-13.00	Pass
5640.00	V	-39.36		
7520.00	V	-37.79		
9400.00	V	-43.66		
11280.00	V	---		
3760.00	Horizontal	-39.17	-13.00	Pass
5640.00	H	-43.07		
7520.00	H	-45.34		
9400.00	H	-45.77		
11280.00	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.55	-13.00	Pass
5727.90	V	-39.41		
7637.20	V	-37.69		
9546.50	V	-43.80		
11455.80	V	---		
3818.60	Horizontal	-39.11	-13.00	Pass
5727.90	H	-42.56		
7637.20	H	-45.30		
9546.50	H	-46.08		
11455.80	H	---		

Test mode:	LTE Band 41 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.97	-13.00	Pass
5552.10	V	-39.73		
7402.80	V	-38.09		
9253.50	V	-43.44		
11104.20	V	---		
3701.40	Horizontal	-38.79	-13.00	Pass
5552.10	H	-42.53		
7402.80	H	-44.99		
9253.50	H	-46.09		
11104.20	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.89	-13.00	Pass
5640.00	V	-39.53		
7520.00	V	-37.64		
9400.00	V	-43.54		
11280.00	V	---		
3760.00	Horizontal	-39.13	-13.00	Pass
5640.00	H	-42.68		
7520.00	H	-44.84		
9400.00	H	-46.36		
11280.00	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.04	-13.00	Pass
5727.90	V	-39.53		
7637.20	V	-37.56		
9546.50	V	-43.08		
11455.80	V	---		
3818.60	Horizontal	-39.51	-13.00	Pass
5727.90	H	-42.87		
7637.20	H	-45.27		
9546.50	H	-45.90		
11455.80	H	---		

Remark:

1.The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.

2.Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3.The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst

Appendix A.8: Frequency Stability V.S. Temperature Measurement

Measurement Data

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	4	0.0022	Within the authorized bands	Pass
	-10	4	0.0019		
	0	2	0.0011		
	10	7	0.0036		
	20	7	0.0037		
	30	5	0.0026		
	40	8	0.0041		
	50	3	0.0014		
	55	8	0.0040		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	3	0.0018	2.5	Pass
	-10	2	0.0012		
	0	5	0.0029		
	10	7	0.0042		
	20	6	0.0032		
	30	3	0.0015		
	40	7	0.0043		
	50	4	0.0021		
	55	6	0.0033		
Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	5	0.0059	2.5	Pass
	-10	6	0.0072		
	0	5	0.0053		
	10	2	0.0023		
	20	4	0.0051		
	30	8	0.0087		
	40	3	0.0034		
	50	4	0.0045		
	55	4	0.0043		

Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	5	0.0019	Within the authorized bands	Pass
	-10	7	0.0027		
	0	8	0.0031		
	10	3	0.0011		
	20	8	0.0030		
	30	6	0.0025		
	40	3	0.0013		
	50	8	0.0031		
	55	5	0.0021		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	7	0.0100	2.5	Pass
	-10	7	0.0100		
	0	4	0.0055		
	10	5	0.0071		
	20	7	0.0106		
	30	2	0.0030		
	40	4	0.0062		
	50	6	0.0081		
	55	6	0.0085		
Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	3	0.0041	Within the authorized bands	Pass
	-10	7	0.0100		
	0	6	0.0078		
	10	2	0.0032		
	20	6	0.0079		
	30	2	0.0033		
	40	2	0.0034		
	50	4	0.0058		
	55	2	0.0031		

Reference Frequency: LTE Band 38 Middle channel=37750 channel=2595MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20	6	0.0023	2.5	Pass
	-10	3	0.0011		
	0	5	0.0021		
	10	8	0.0030		
	20	6	0.0025		
	30	4	0.0017		
	40	8	0.0031		
	50	2	0.0009		
	55	2	0.0009		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.3	-20°C	5	0.0018	Within the authorized bands	Pass
	-10°C	3	0.0011		
	-5°C	6	0.0025		
	0°C	7	0.0028		
	+10°C	7	0.0028		
	+20°C	4	0.0016		
	+30°C	6	0.0024		
	+40°C	3	0.0012		
	+50°C	7	0.0025		

Appendix A.9: Frequency Stability V.S. Voltage Measurement

Measurement Data

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	7	0.0038	within authorized band	Pass
	DC 3.3V	4	0.0023		
	DC 4.5V	3	0.0014		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	3	0.0020	2.5	Pass
	DC 3.3V	6	0.0032		
	DC 4.5V	3	0.0018		
Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	6	0.0071	2.5	Pass
	DC 3.3V	3	0.0030		
	DC 4.5V	8	0.0089		
Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	4	0.0015	within authorized band	Pass
	DC 3.3V	8	0.0031		
	DC 4.5V	6	0.0024		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	6	0.0091	within authorized band	Pass
	DC 3.3V	5	0.0075		
	DC 4.5V	5	0.0074		
Reference Frequency: LTE Band 17 Middle channel=20175 channel=710.0MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	4	0.0060	2.5	Pass
	DC 3.3V	4	0.0057		
	DC 4.5V	4	0.0051		

Reference Frequency: LTE Band 38 Middle channel=38000 channel=2595MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	3	0.0013	within authorized band	Pass
	DC 3.3V	7	0.0026		
	DC 4.5V	8	0.0031		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	DC 3.0V	5	0.0018	2.5	Pass
	DC 3.3V	7	0.0027		
	DC 4.5V	3	0.0010		

-----End of Report-----