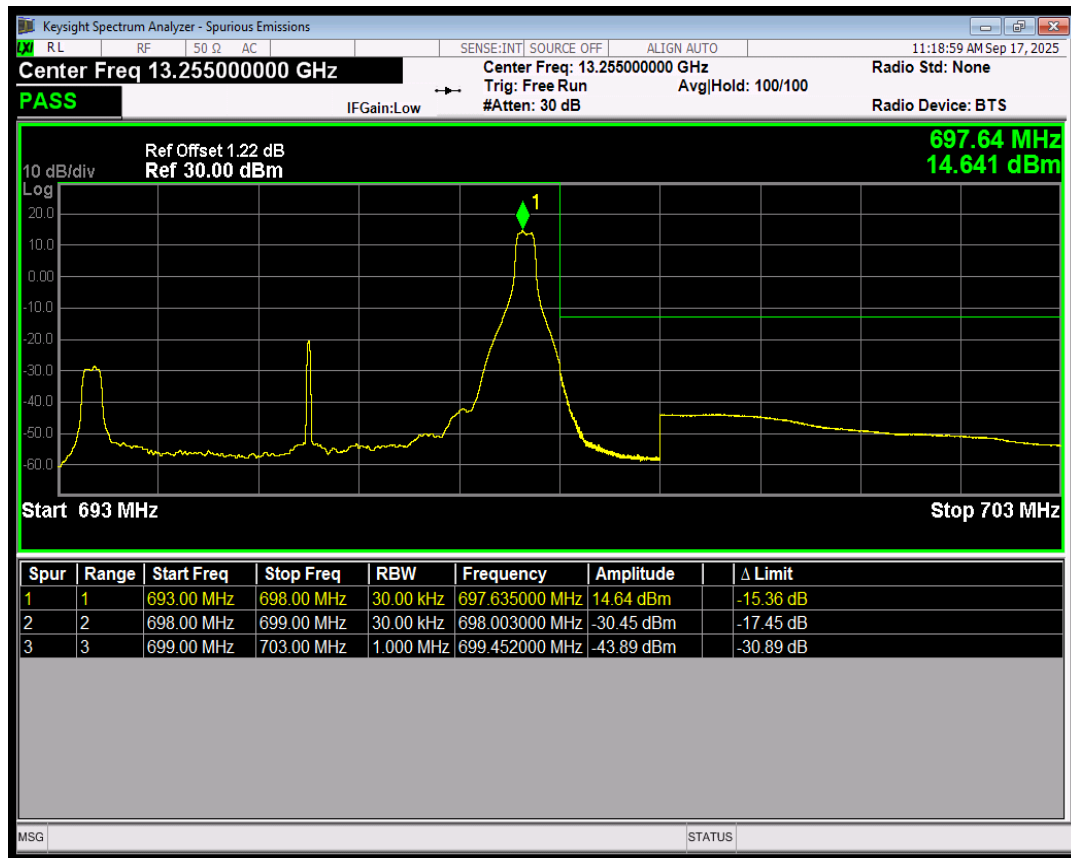
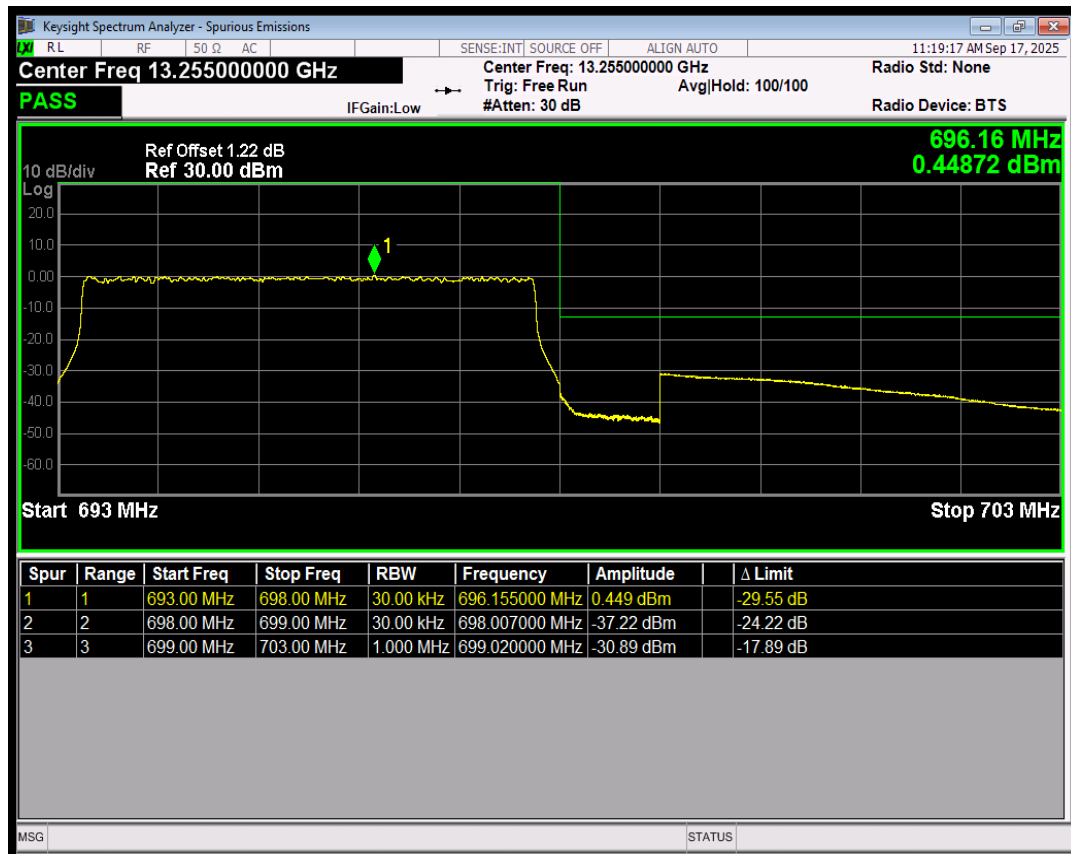


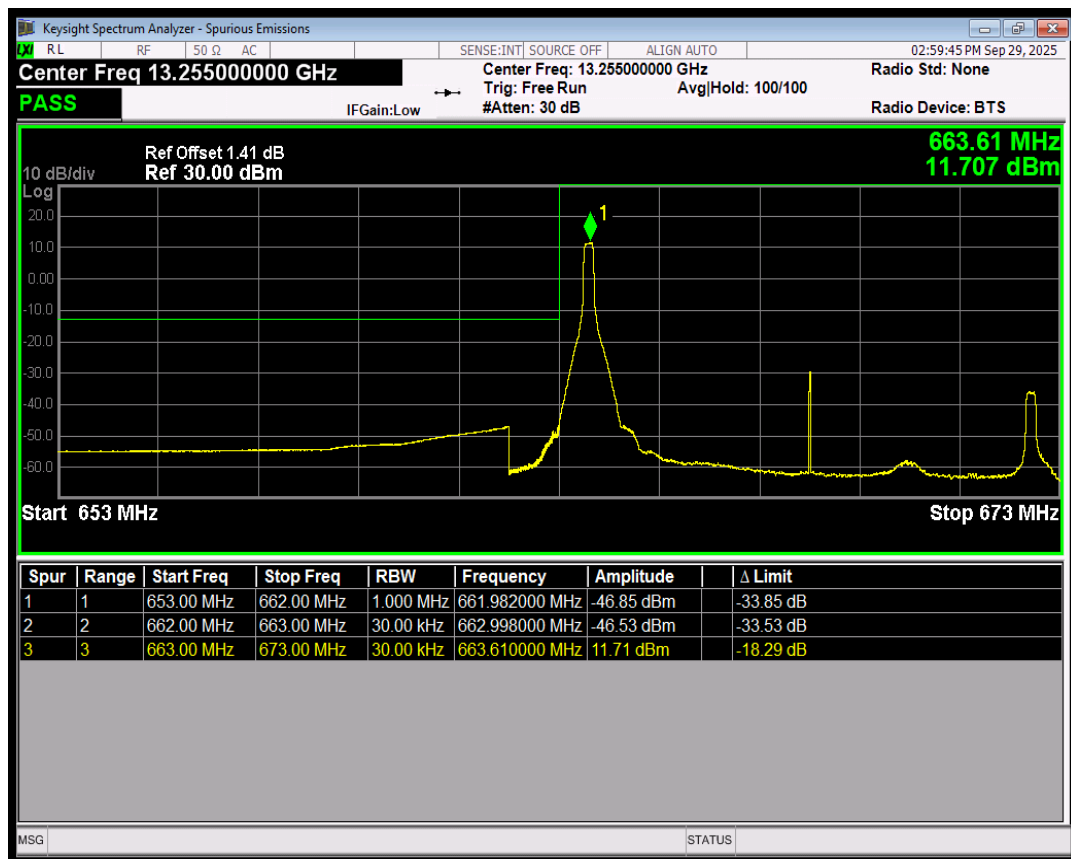
Band71 16QAM BW=5MHz HighChannel=133447 RB Size=1 Position=#Max



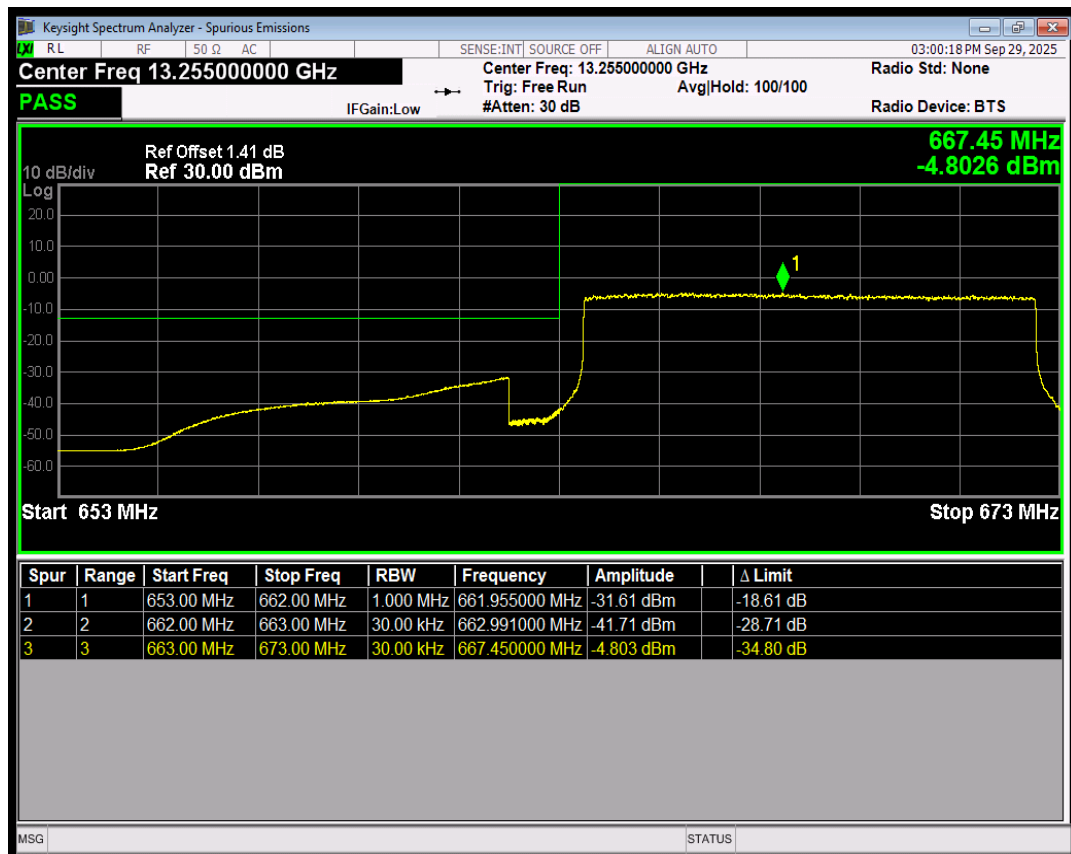
Band71 16QAM BW=5MHz HighChannel=133447 RB Size=25 Position=#0



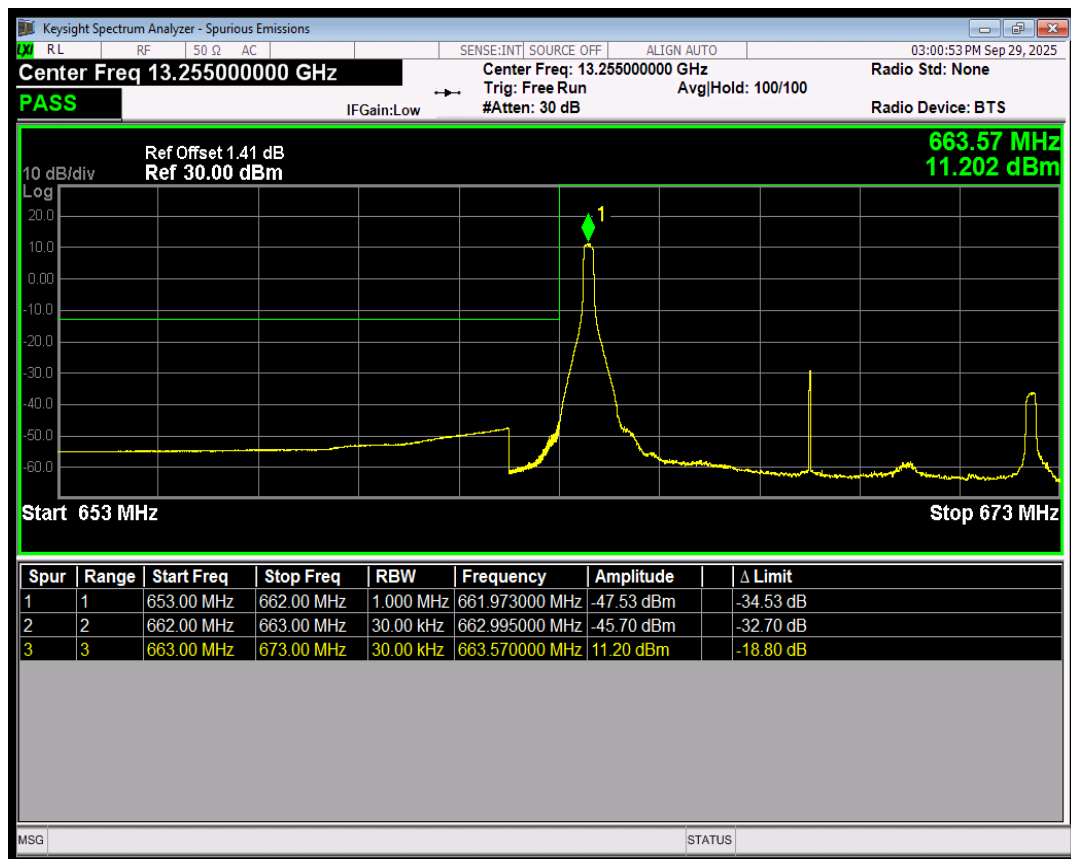
Band71 QPSK BW=10MHz LowChannel=133172 RB Size=1 Position=#0



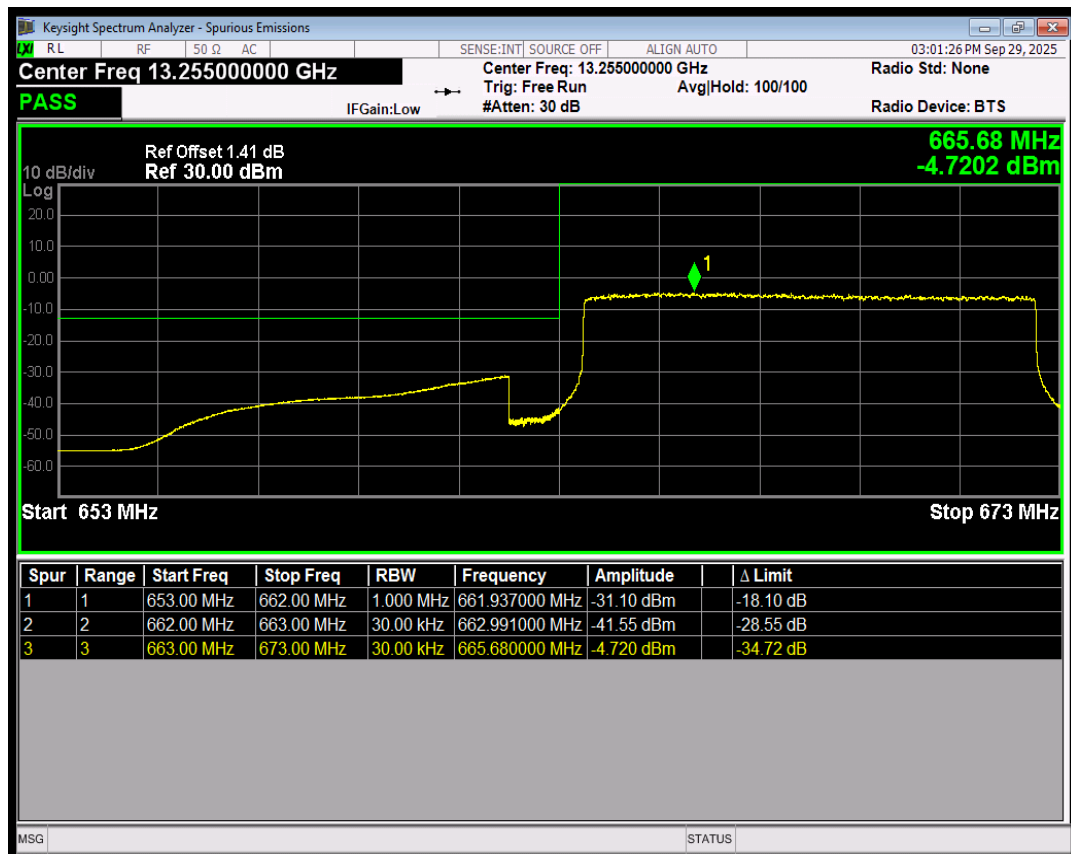
Band71 QPSK BW=10MHz LowChannel=133172 RB Size=50 Position=#0



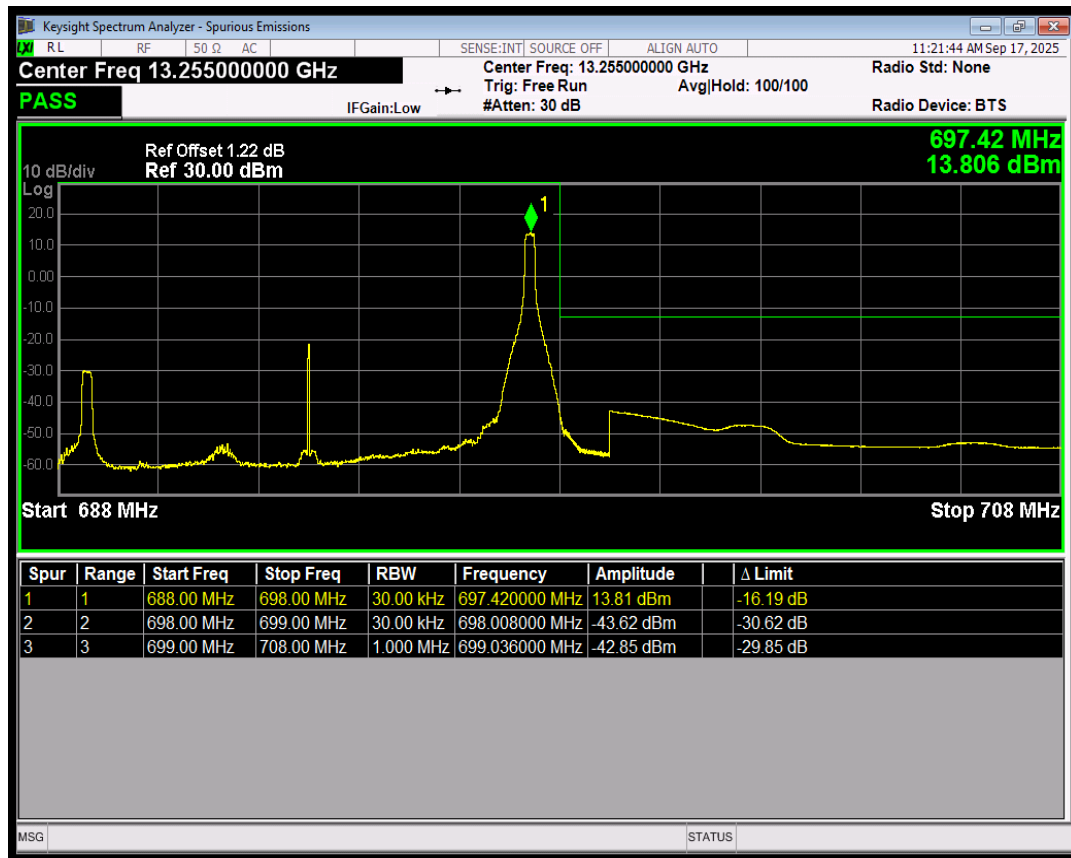
Band71 16QAM BW=10MHz LowChannel=133172 RB Size=1 Position=#0



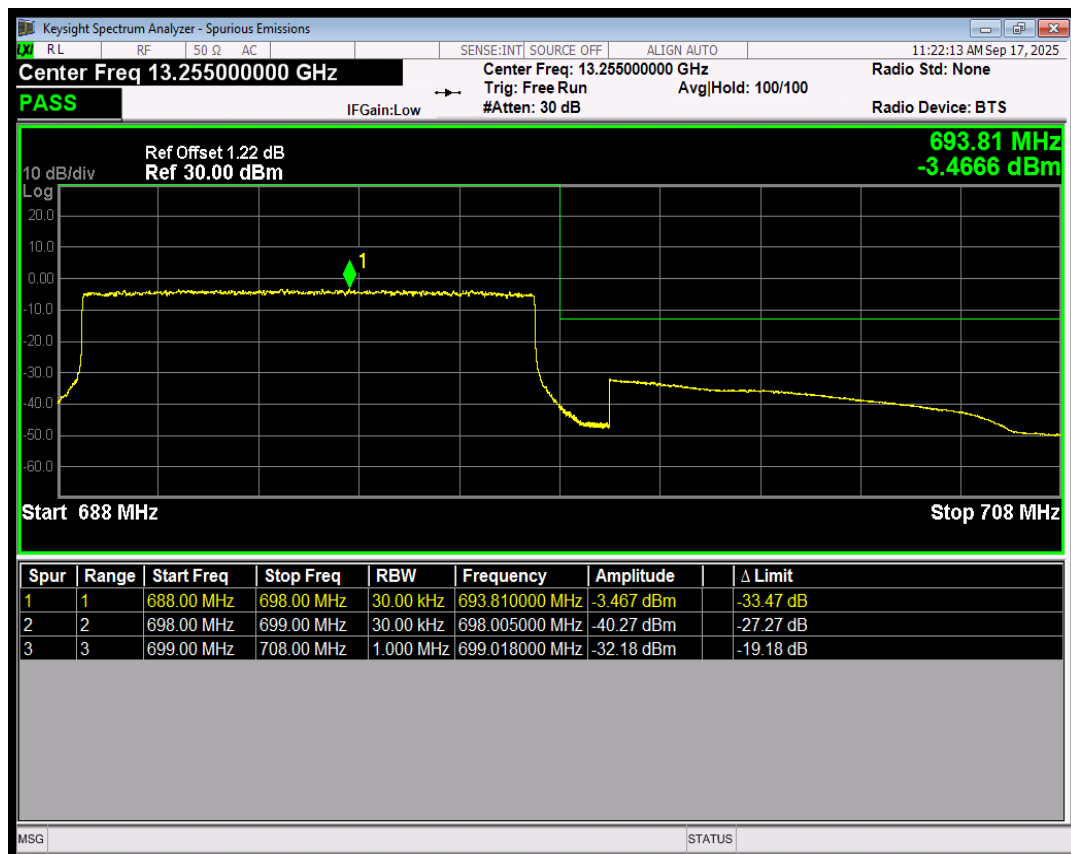
Band71 16QAM BW=10MHz LowChannel=133172 RB Size=50 Position=#0



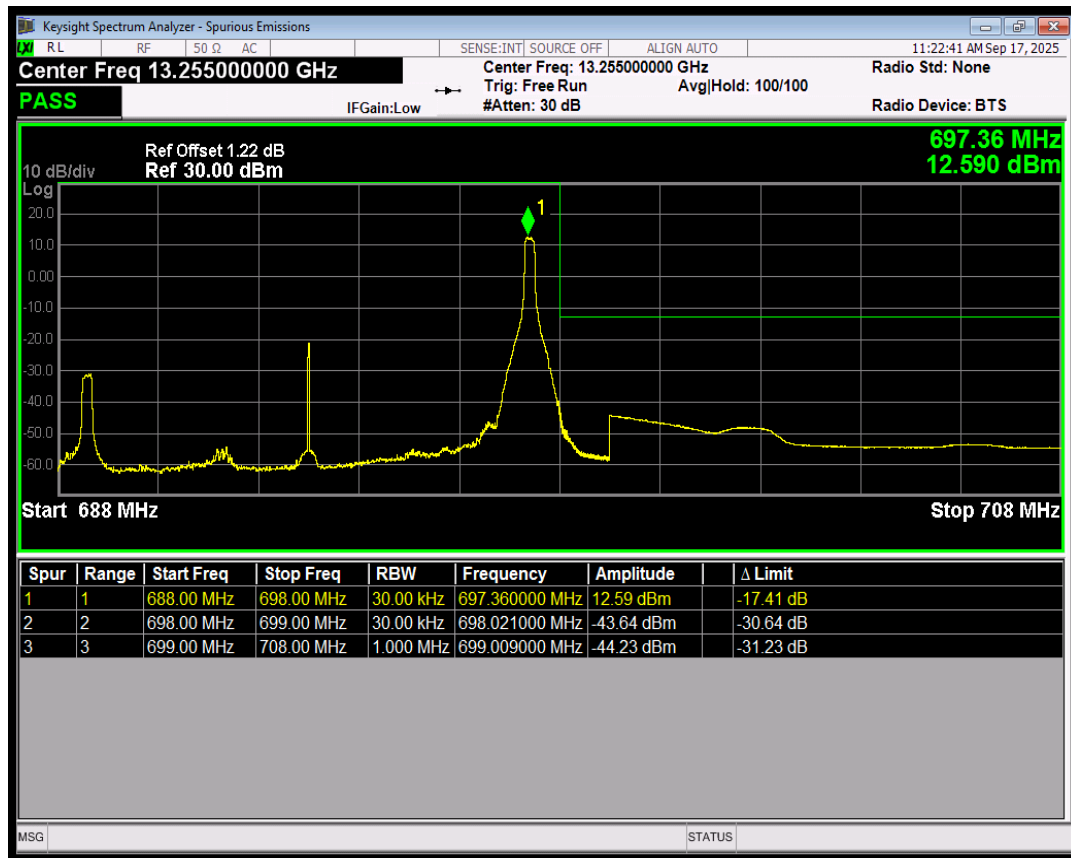
Band71 QPSK BW=10MHz HighChannel=133422 RB Size=1 Position=#Max



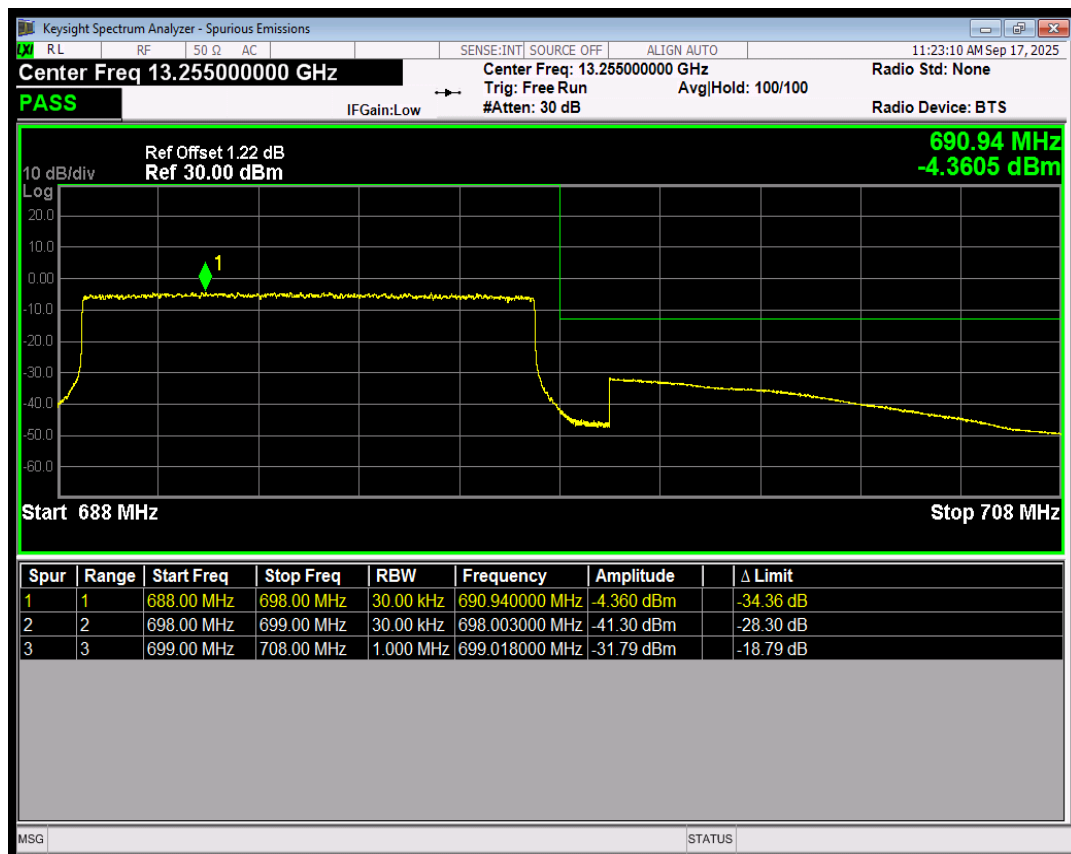
Band71 QPSK BW=10MHz HighChannel=133422 RB Size=50 Position=#0



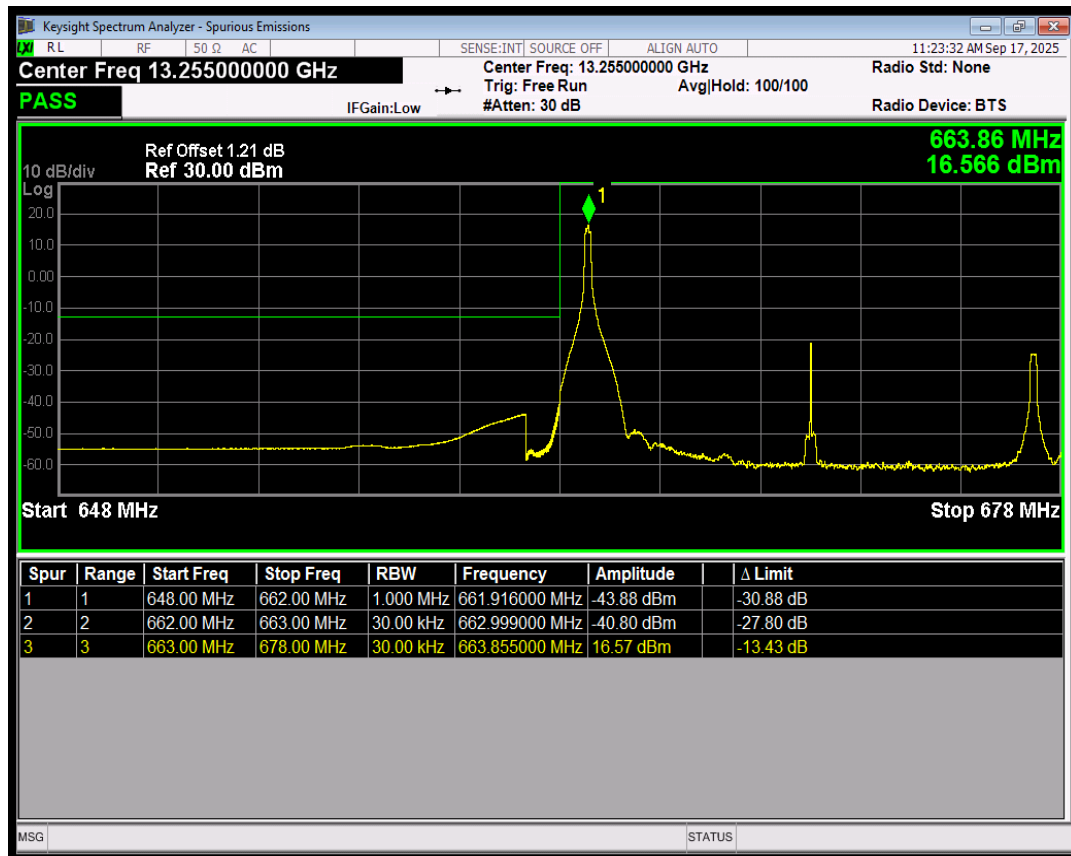
Band71 16QAM BW=10MHz HighChannel=133422 RB Size=1 Position=#Max



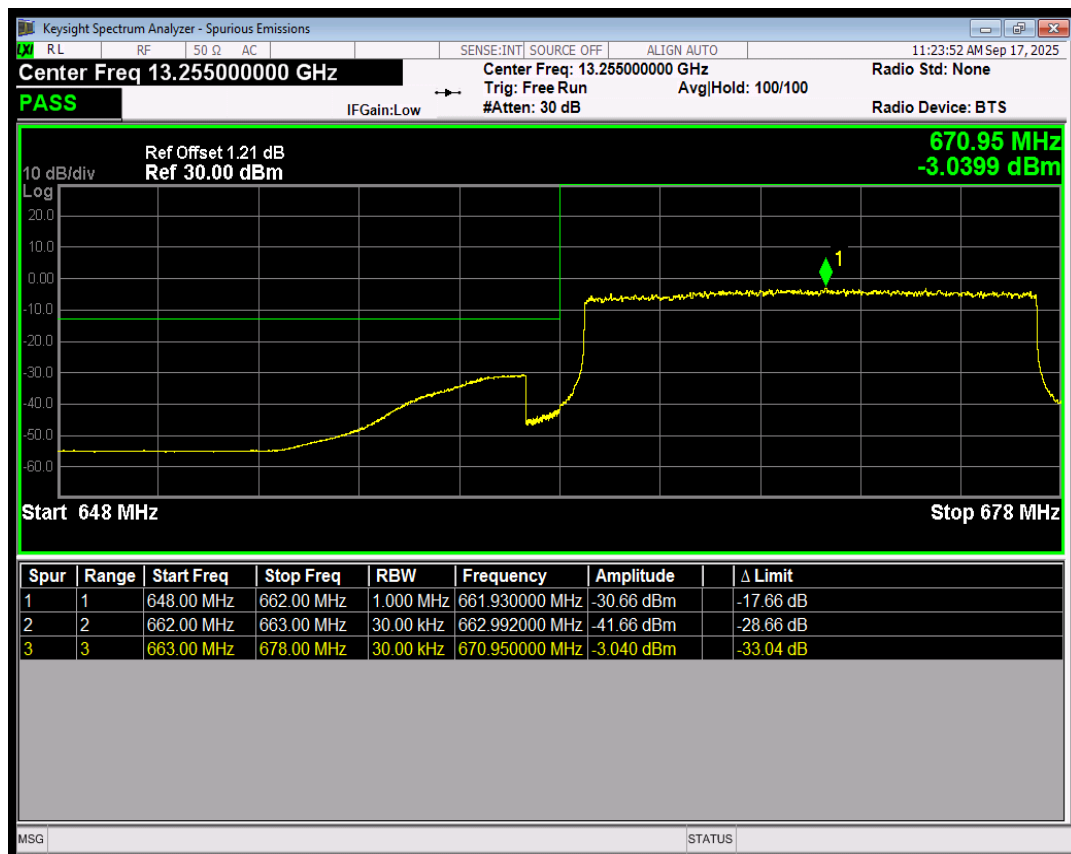
Band71 16QAM BW=10MHz HighChannel=133422 RB Size=50 Position=#0



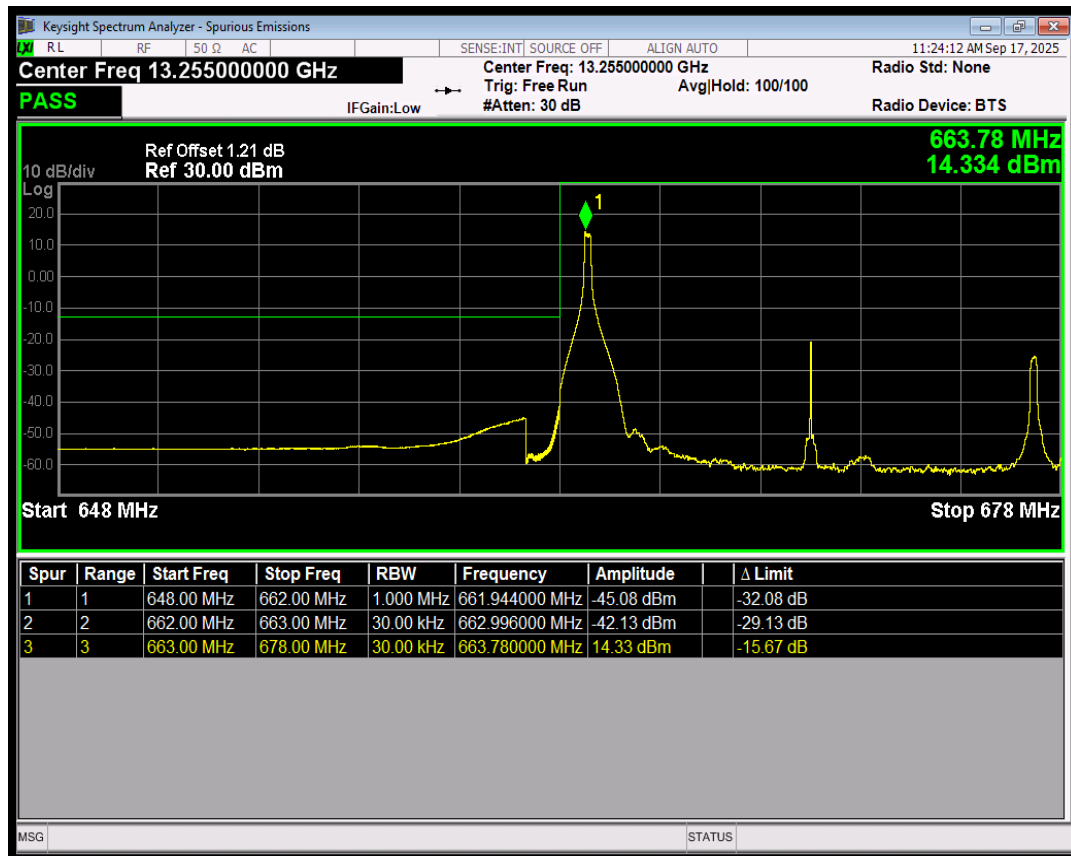
Band71 QPSK BW=15MHz LowChannel=133197 RB Size=1 Position=#0



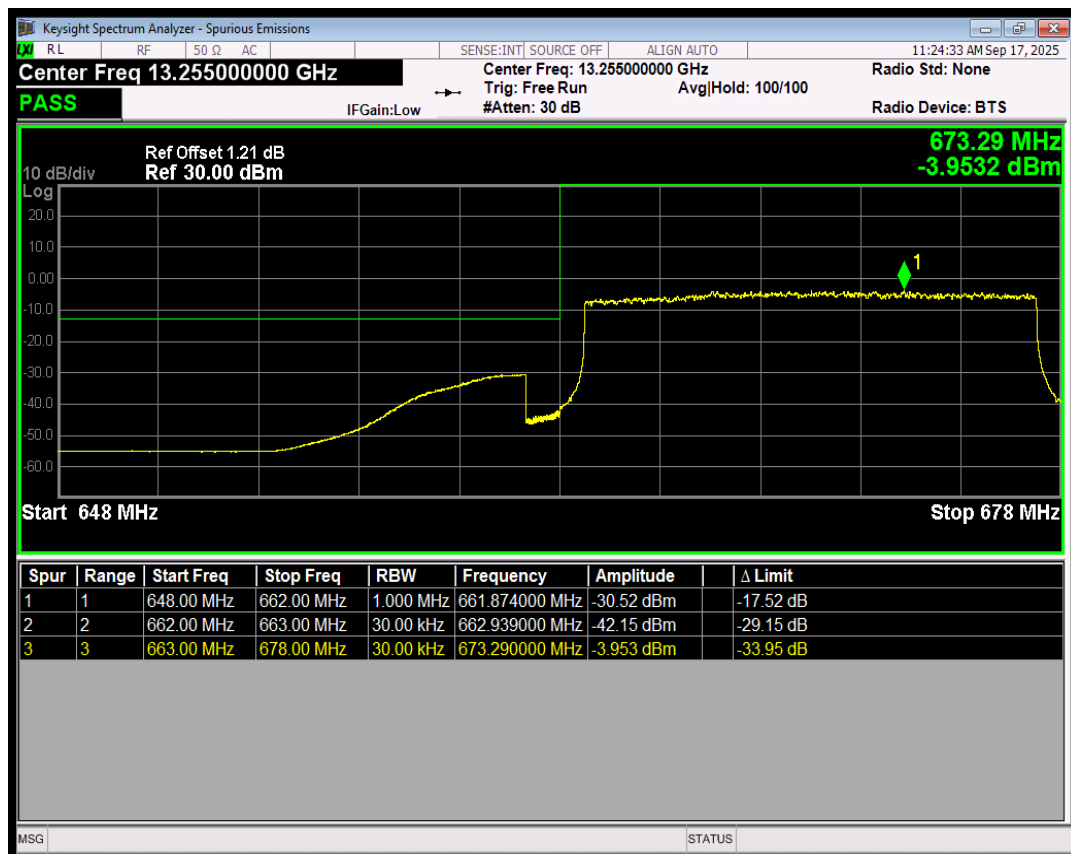
Band71 QPSK BW=15MHz LowChannel=133197 RB Size=75 Position=#0



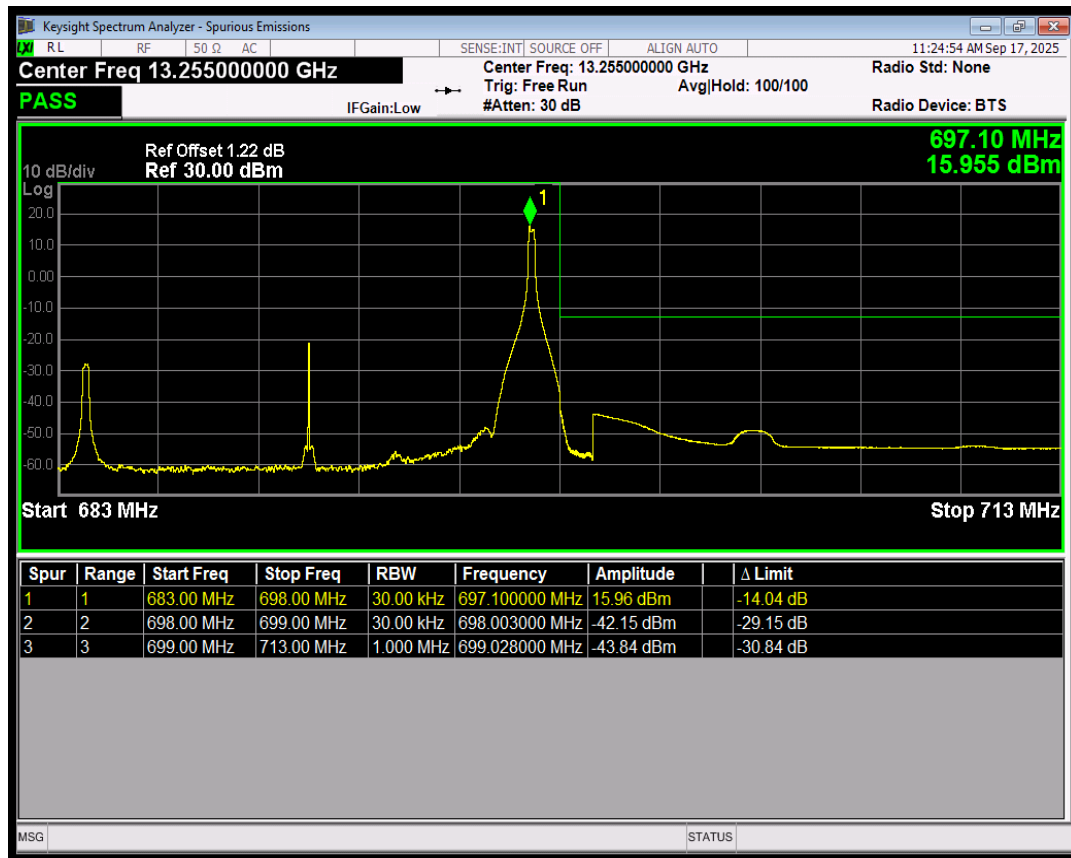
Band71 16QAM BW=15MHz LowChannel=133197 RB Size=1 Position=#0



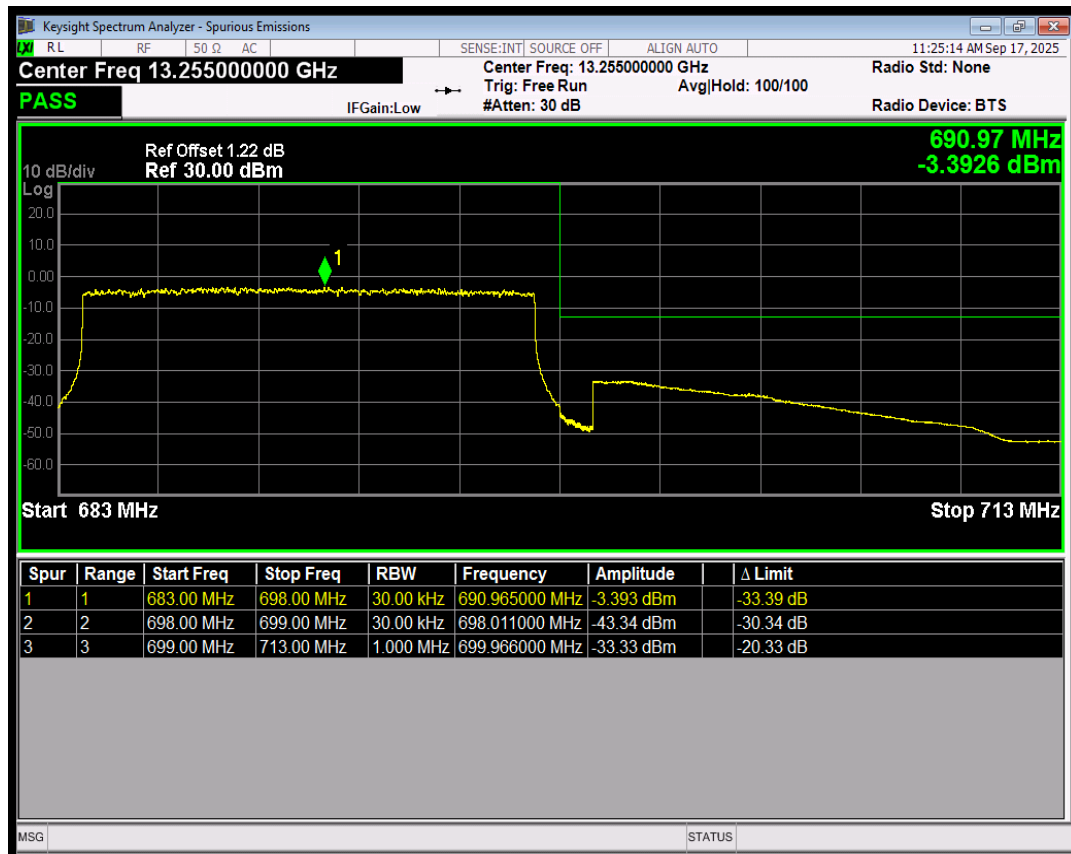
Band71 16QAM BW=15MHz LowChannel=133197 RB Size=75 Position=#0



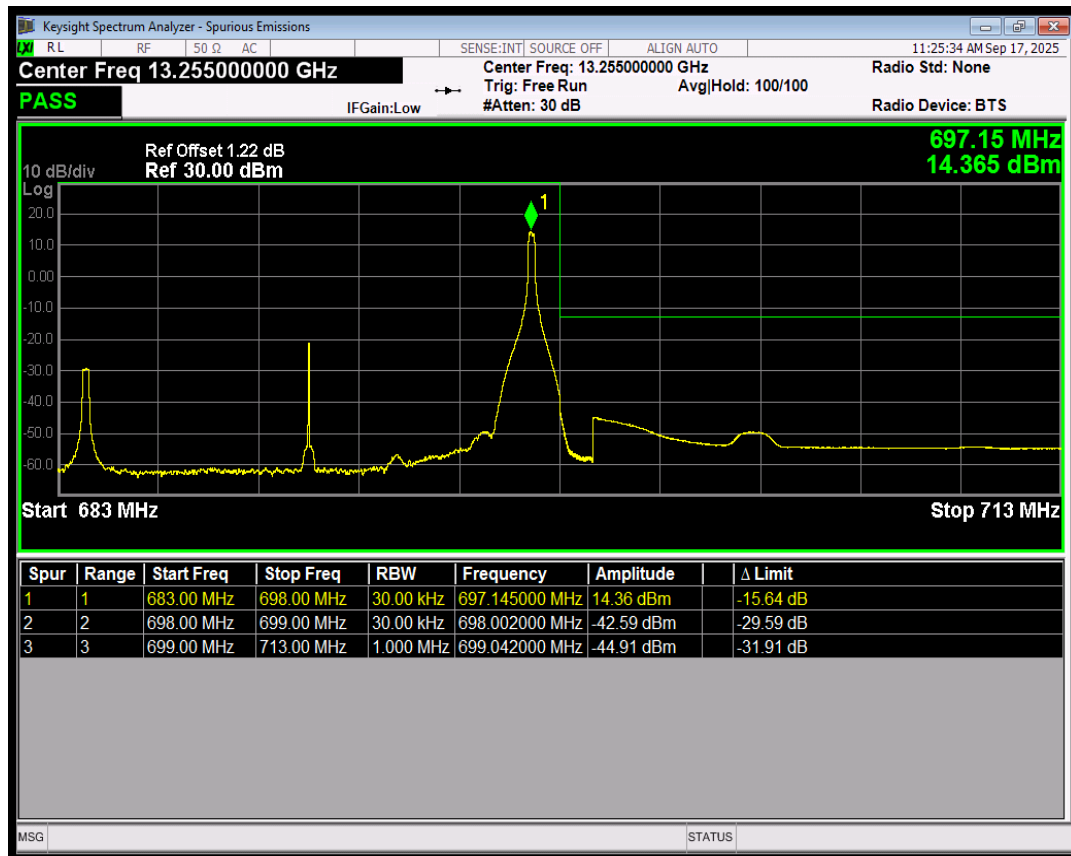
Band71 QPSK BW=15MHz HighChannel=133397 RB Size=1 Position=#Max



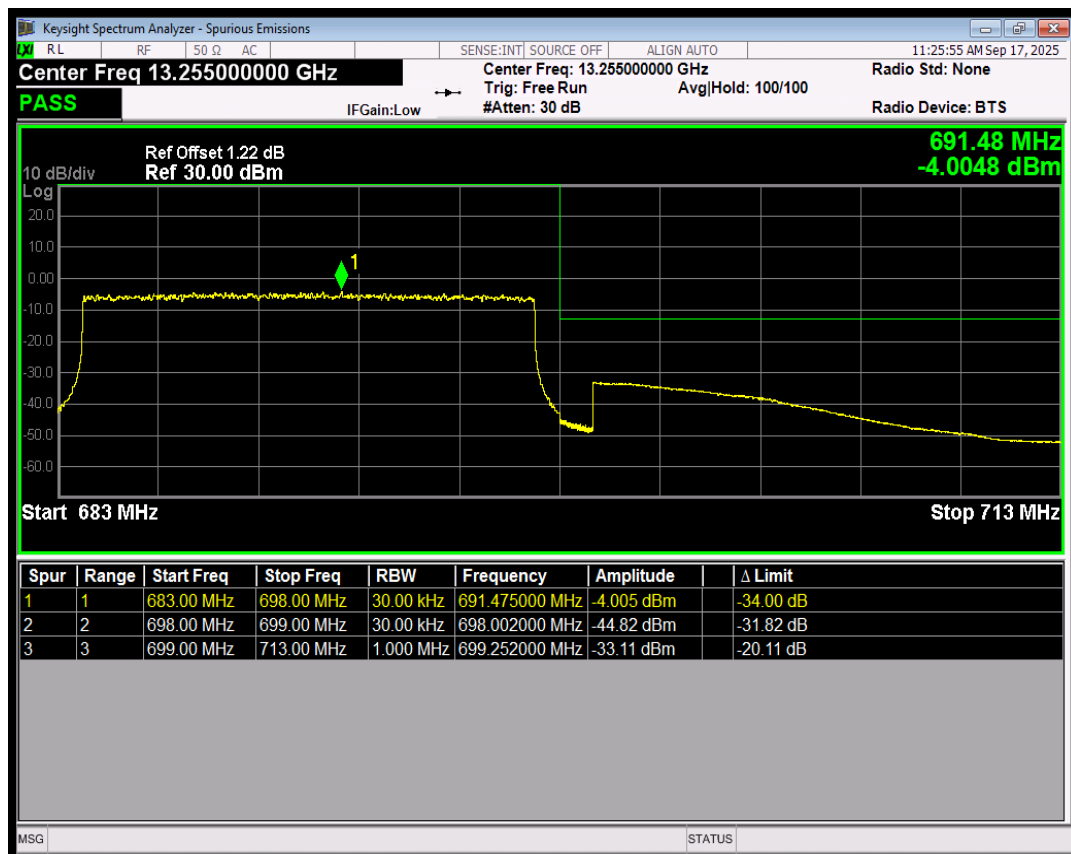
Band71 QPSK BW=15MHz HighChannel=133397 RB Size=75 Position=#0



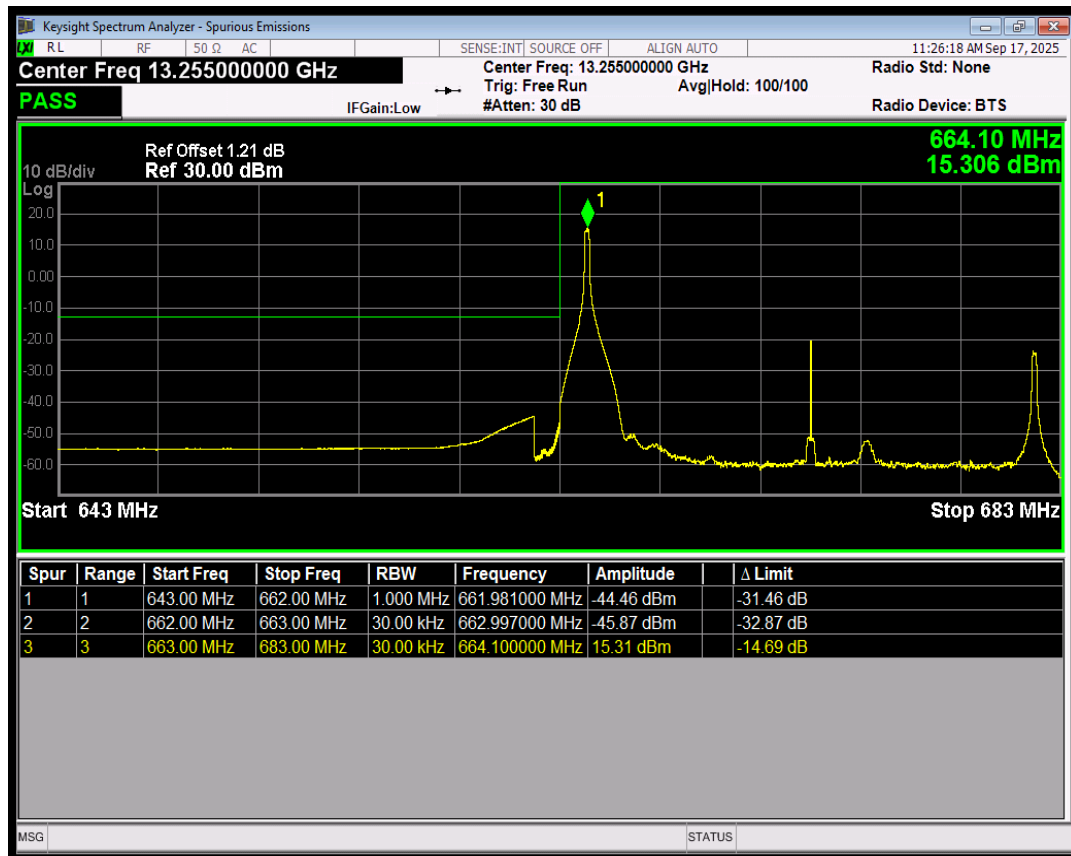
Band71 16QAM BW=15MHz HighChannel=133397 RB Size=1 Position=#Max



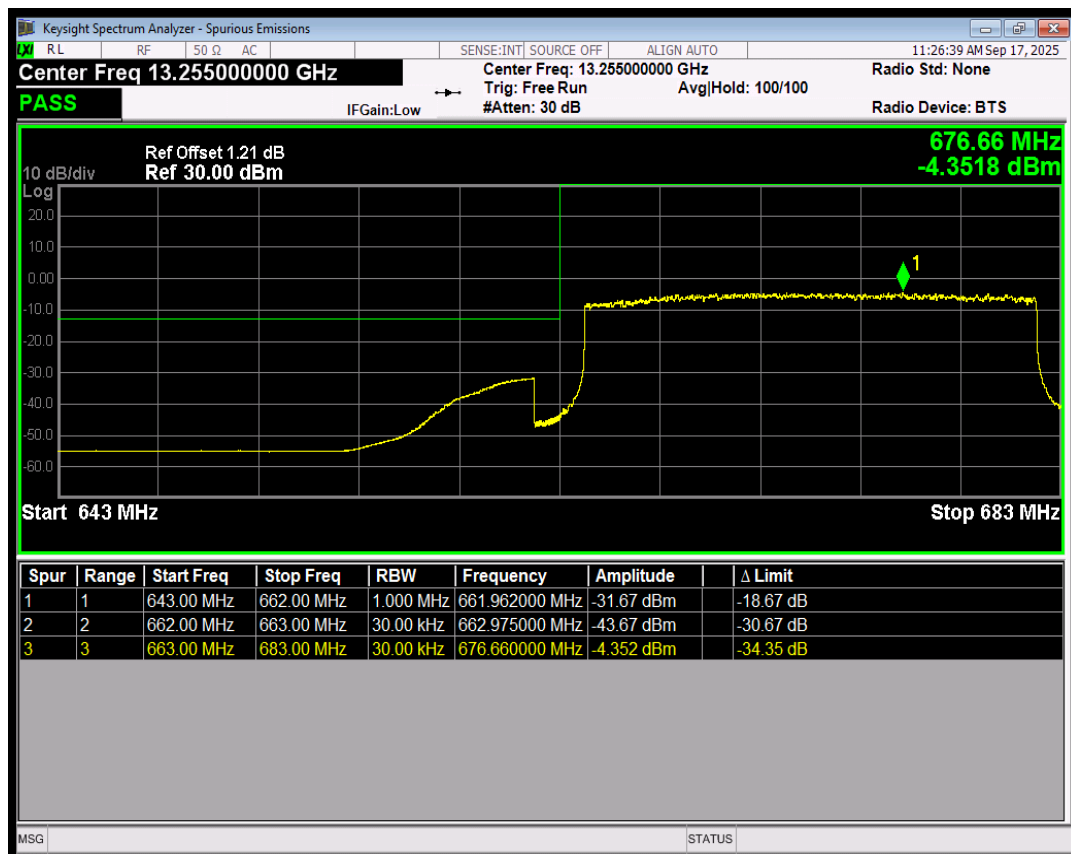
Band71 16QAM BW=15MHz HighChannel=133397 RB Size=75 Position=#0



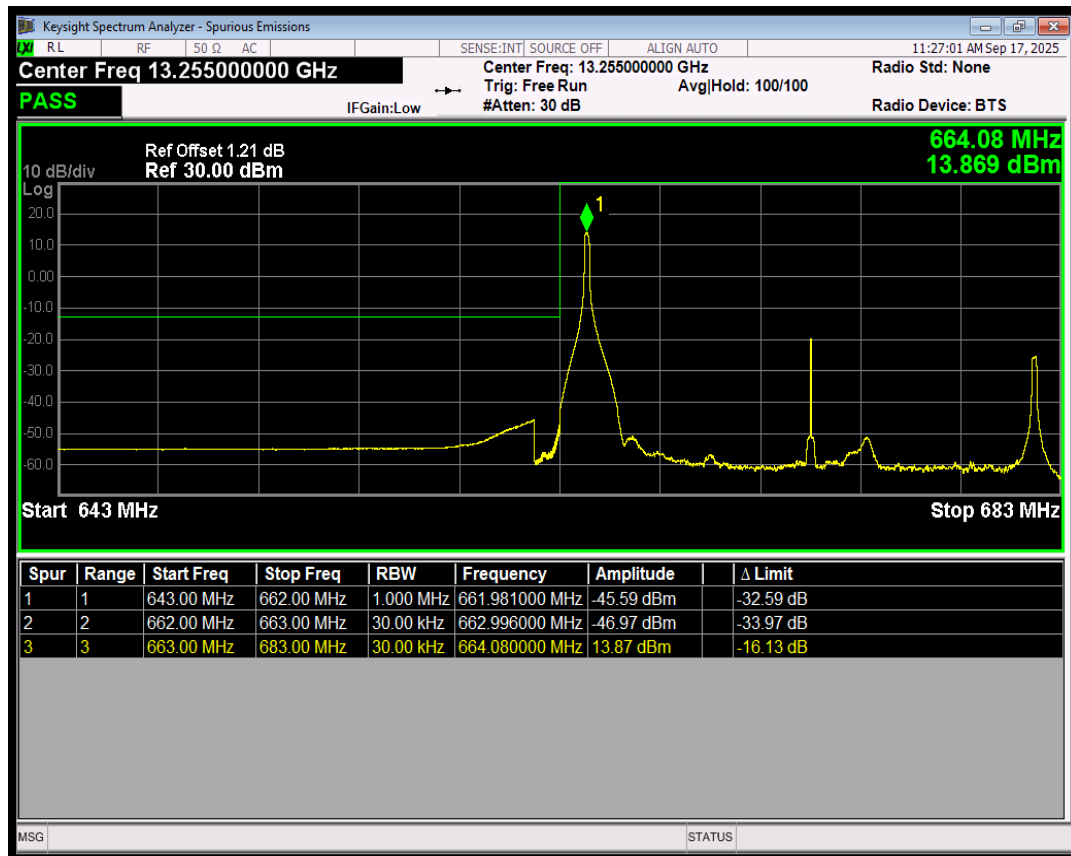
Band71 QPSK BW=20MHz LowChannel=133222 RB Size=1 Position=#0



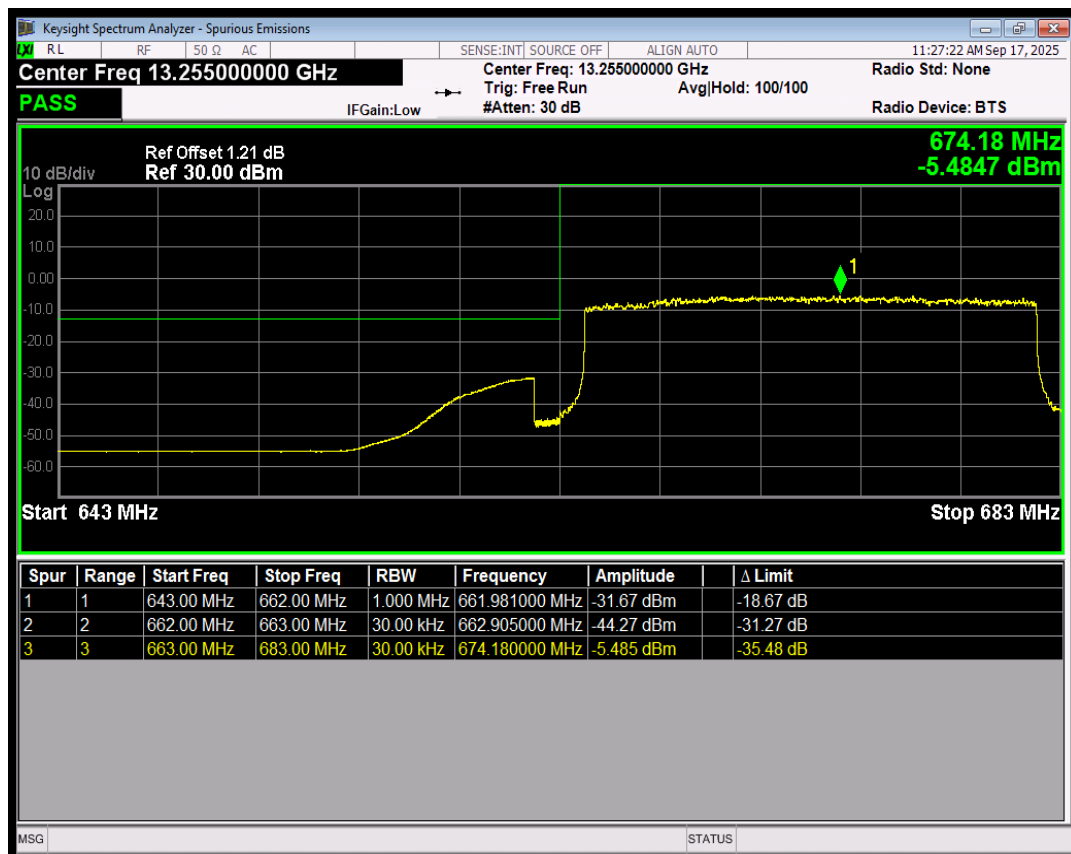
Band71 QPSK BW=20MHz LowChannel=133222 RB Size=100 Position=#0



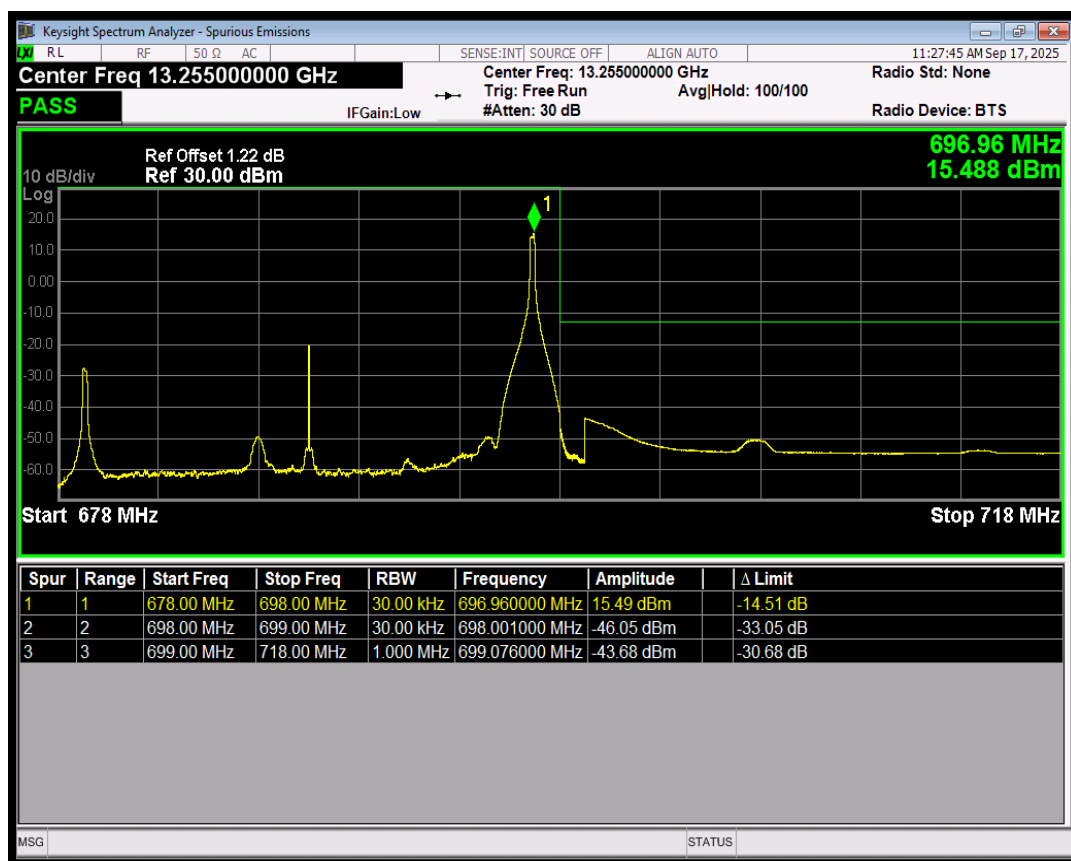
Band71 16QAM BW=20MHz LowChannel=133222 RB Size=1 Position=#0



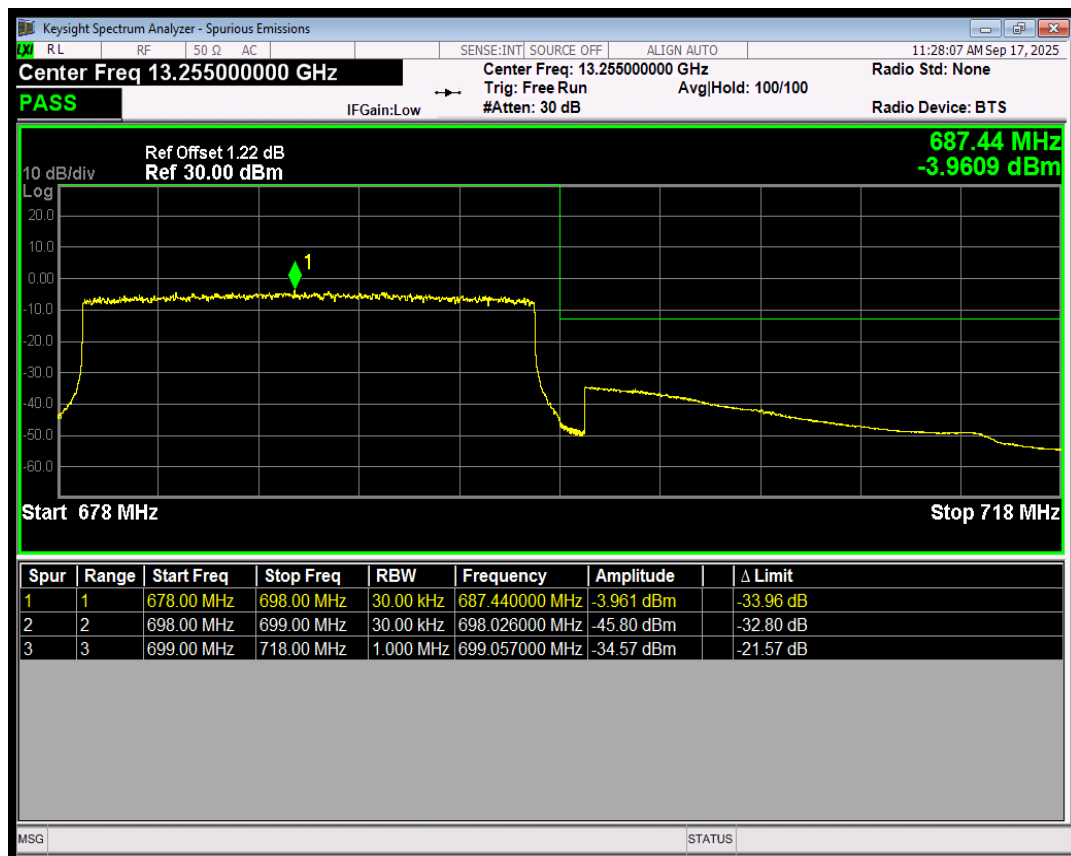
Band71 16QAM BW=20MHz LowChannel=133222 RB Size=100 Position=#0



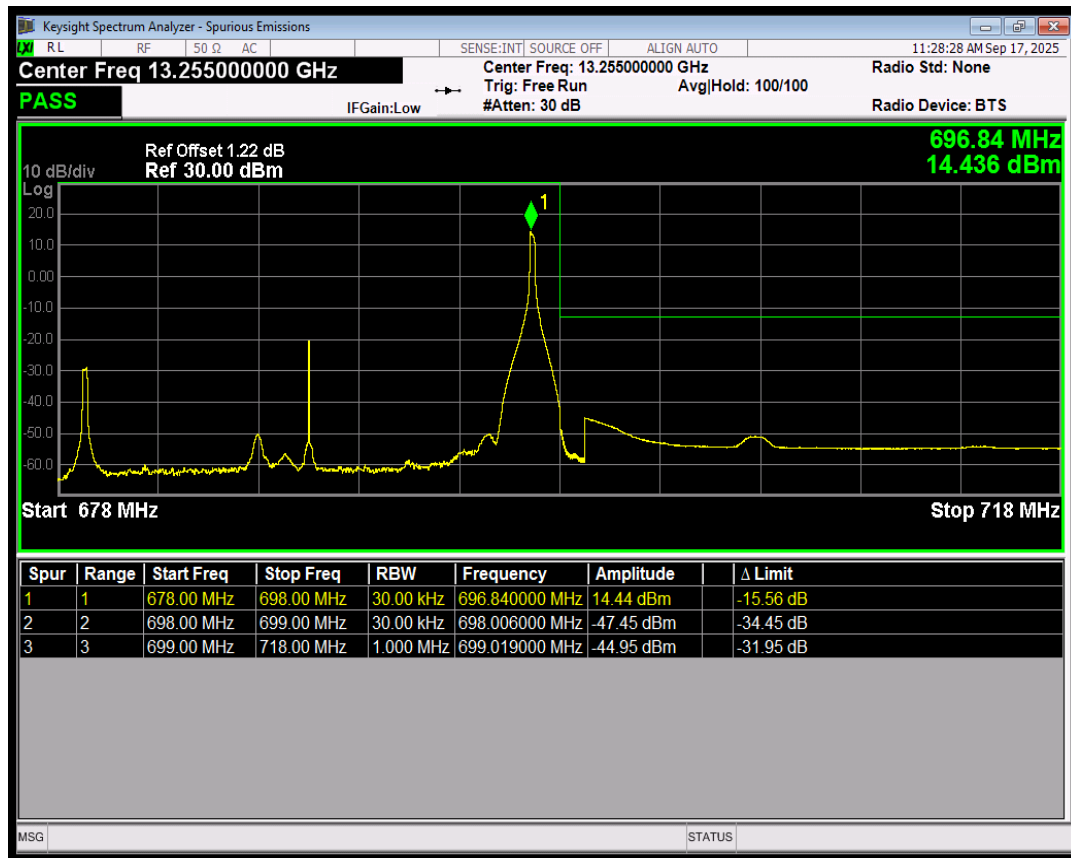
Band71 QPSK BW=20MHz HighChannel=133372 RB Size=1 Position=#Max



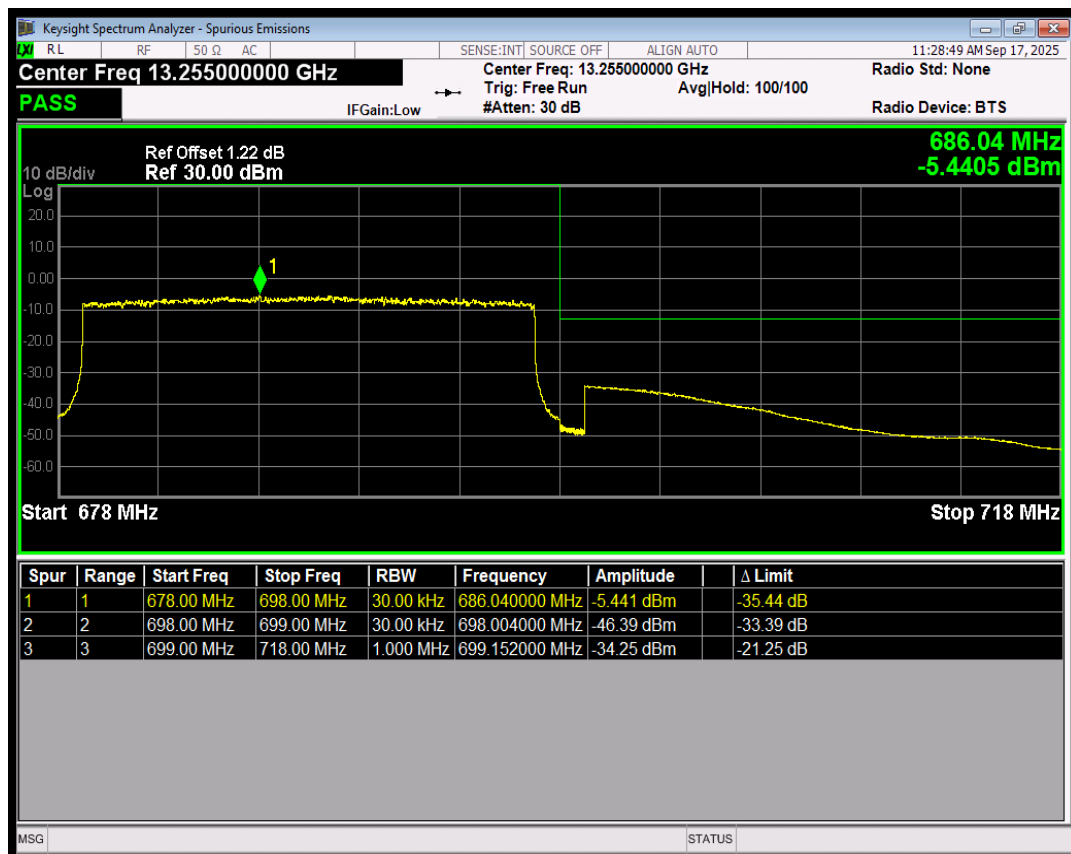
Band71 QPSK BW=20MHz HighChannel=133372 RB Size=100 Position=#0



Band71 16QAM BW=20MHz HighChannel=133372 RB Size=1 Position=#Max



Band71 16QAM BW=20MHz HighChannel=133372 RB Size=100 Position=#0



6.4 Peak-to-Average Power Ratio (PAPR)

WCDMA Band IV	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
RMC	1312	1712.4	26.51	23.46	3.05	≤13	PASS
	1413	1732.6	26.30	23.35	2.95	≤13	PASS
	1513	1752.6	26.19	23.37	2.82	≤13	PASS

LTE Band 4								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	1.4	19957	1710.7	27.15	22.30	4.85	≤13	PASS
		20175	1732.5	27.21	22.40	4.81	≤13	PASS
		20393	1754.3	27.12	22.64	4.48	≤13	PASS
	3	19965	1711.5	27.30	22.33	4.97	≤13	PASS
		20175	1732.5	27.37	22.44	4.93	≤13	PASS
		20385	1753.5	27.37	22.67	4.70	≤13	PASS
	5	19975	1712.5	27.31	22.31	5.00	≤13	PASS
		20175	1732.5	27.33	22.43	4.90	≤13	PASS
		20375	1752.5	27.29	22.65	4.64	≤13	PASS
	10	20000	1715	27.34	22.39	4.95	≤13	PASS
		20175	1732.5	27.28	22.45	4.83	≤13	PASS
		20350	1750	27.31	22.69	4.62	≤13	PASS
	15	20025	1717.5	27.40	22.37	5.03	≤13	PASS
		20175	1732.5	27.27	22.41	4.86	≤13	PASS
		20325	1747.5	27.20	22.64	4.56	≤13	PASS
	20	20050	1720	27.26	22.34	4.92	≤13	PASS
		20175	1732.5	27.14	22.36	4.78	≤13	PASS
		20300	1745	27.23	22.60	4.63	≤13	PASS
16QAM	1.4	19957	1710.7	27.03	21.34	5.69	≤13	PASS
		20175	1732.5	27.07	21.48	5.59	≤13	PASS
		20393	1754.3	26.99	21.68	5.31	≤13	PASS
	3	19965	1711.5	27.15	21.37	5.78	≤13	PASS
		20175	1732.5	27.21	21.52	5.69	≤13	PASS
		20385	1753.5	27.21	21.71	5.50	≤13	PASS
	5	19975	1712.5	27.11	21.35	5.76	≤13	PASS
		20175	1732.5	27.16	21.48	5.68	≤13	PASS
		20375	1752.5	27.05	21.66	5.39	≤13	PASS
	10	20000	1715	27.14	21.38	5.76	≤13	PASS
		20175	1732.5	27.18	21.53	5.65	≤13	PASS

	15	20350	1750	27.14	21.70	5.44	≤13	PASS
		20025	1717.5	27.12	21.35	5.77	≤13	PASS
		20175	1732.5	27.08	21.48	5.60	≤13	PASS
		20325	1747.5	26.95	21.66	5.29	≤13	PASS
	20	20050	1720	27.04	21.33	5.71	≤13	PASS
		20175	1732.5	27.03	21.44	5.59	≤13	PASS
		20300	1745	27.03	21.63	5.40	≤13	PASS

LTE Band 12								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	1.4	23017	699.7	27.71	22.61	5.10	≤13	PASS
		23095	707.5	27.72	22.57	5.15	≤13	PASS
		23173	715.3	27.70	22.65	5.05	≤13	PASS
	3	23025	700.5	27.83	22.64	5.19	≤13	PASS
		23095	707.5	27.82	22.61	5.21	≤13	PASS
		23165	714.5	27.87	22.68	5.19	≤13	PASS
	5	23035	701.5	27.87	22.68	5.19	≤13	PASS
		23095	707.5	27.75	22.58	5.17	≤13	PASS
		23155	713.5	27.86	22.65	5.21	≤13	PASS
	10	23060	704	27.83	22.65	5.18	≤13	PASS
		23095	707.5	27.60	22.53	5.07	≤13	PASS
		23130	711	27.76	22.61	5.15	≤13	PASS
16QAM	1.4	23017	699.7	27.73	21.71	6.02	≤13	PASS
		23095	707.5	27.57	21.63	5.94	≤13	PASS
		23173	715.3	27.73	21.84	5.89	≤13	PASS
	3	23025	700.5	27.78	21.74	6.04	≤13	PASS
		23095	707.5	27.71	21.67	6.04	≤13	PASS
		23165	714.5	27.89	21.87	6.02	≤13	PASS
	5	23035	701.5	27.70	21.72	5.98	≤13	PASS
		23095	707.5	27.59	21.63	5.96	≤13	PASS
		23155	713.5	27.81	21.82	5.99	≤13	PASS
	10	23060	704	27.68	21.70	5.98	≤13	PASS
		23095	707.5	27.50	21.59	5.91	≤13	PASS
		23130	711	27.76	21.79	5.97	≤13	PASS

LTE Band 13								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	23205	779.5	27.81	22.81	5.00	≤13	PASS
		23230	782	27.79	22.74	5.05	≤13	PASS

16QAM	10	23255	784.5	27.89	22.80	5.09	≤13	PASS
		23230	782	27.75	22.74	5.01	≤13	PASS
	5	23205	779.5	27.57	21.74	5.83	≤13	PASS
		23230	782	27.81	21.96	5.85	≤13	PASS
		23255	784.5	27.47	21.62	5.85	≤13	PASS
	10	23230	782	27.65	21.82	5.83	≤13	PASS

LTE Band 66								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	1.4	131979	1710.7	27.40	22.51	4.89	≤13	PASS
		132322	1745	27.22	22.73	4.49	≤13	PASS
		132665	1779.3	27.31	22.34	4.97	≤13	PASS
	3	131987	1711.5	27.51	22.54	4.97	≤13	PASS
		132322	1745	27.47	22.77	4.70	≤13	PASS
		132657	1778.5	27.48	22.37	5.11	≤13	PASS
	5	131997	1712.5	27.52	22.52	5.00	≤13	PASS
		132322	1745	27.40	22.76	4.64	≤13	PASS
		132647	1777.5	27.38	22.35	5.03	≤13	PASS
	10	132022	1715	27.54	22.60	4.94	≤13	PASS
		132322	1745	27.34	22.78	4.56	≤13	PASS
		132622	1775	27.37	22.39	4.98	≤13	PASS
	15	132047	1717.5	27.57	22.58	4.99	≤13	PASS
		132322	1745	27.25	22.74	4.51	≤13	PASS
		132597	1772.5	27.36	22.34	5.02	≤13	PASS
	20	132072	1720	27.46	22.55	4.91	≤13	PASS
		132322	1745	27.25	22.69	4.56	≤13	PASS
		132572	1770	27.21	22.30	4.91	≤13	PASS
16QAM	1.4	131979	1710.7	27.34	21.65	5.69	≤13	PASS
		132322	1745	27.08	21.84	5.24	≤13	PASS
		132665	1779.3	27.26	21.45	5.81	≤13	PASS
	3	131987	1711.5	27.44	21.68	5.76	≤13	PASS
		132322	1745	27.35	21.88	5.47	≤13	PASS
		132657	1778.5	27.37	21.48	5.89	≤13	PASS
	5	131997	1712.5	27.41	21.66	5.75	≤13	PASS
		132322	1745	27.20	21.84	5.36	≤13	PASS
		132647	1777.5	27.23	21.43	5.80	≤13	PASS
	10	132022	1715	27.48	21.69	5.79	≤13	PASS
		132322	1745	27.25	21.89	5.36	≤13	PASS
		132622	1775	27.28	21.47	5.81	≤13	PASS

	15	132047	1717.5	27.39	21.66	5.73	≤13	PASS
		132322	1745	27.08	21.84	5.24	≤13	PASS
		132597	1772.5	27.17	21.43	5.74	≤13	PASS
	20	132072	1720	27.33	21.64	5.69	≤13	PASS
		132322	1745	27.16	21.80	5.36	≤13	PASS
		132572	1770	27.10	21.40	5.70	≤13	PASS

LTE Band 71								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
	5	133147	665.5	27.25	22.17	5.08	≤13	PASS
		133297	680.5	27.48	22.40	5.08	≤13	PASS
		133447	695.5	27.35	22.20	5.15	≤13	PASS
	10	133172	668	27.33	22.25	5.08	≤13	PASS
		133297	680.5	27.47	22.42	5.05	≤13	PASS
		133422	693	27.31	22.24	5.07	≤13	PASS
	15	133197	670.5	27.45	22.23	5.22	≤13	PASS
		133297	680.5	27.28	22.11	5.17	≤13	PASS
		133397	690.5	27.40	22.19	5.21	≤13	PASS
	20	133222	673	27.24	22.20	5.04	≤13	PASS
		133322	683	27.36	22.33	5.03	≤13	PASS
		133372	688	27.23	22.15	5.08	≤13	PASS
	5	133147	665.5	27.14	21.32	5.82	≤13	PASS
		133297	680.5	27.36	21.50	5.86	≤13	PASS
		133447	695.5	27.22	21.31	5.91	≤13	PASS
	10	133172	668	27.22	21.35	5.87	≤13	PASS
		133297	680.5	27.37	21.55	5.82	≤13	PASS
		133422	693	27.24	21.35	5.89	≤13	PASS
	15	133197	670.5	27.25	21.32	5.93	≤13	PASS
		133297	680.5	26.98	21.11	5.87	≤13	PASS
		133397	690.5	27.25	21.31	5.94	≤13	PASS
	20	133222	673	27.16	21.30	5.86	≤13	PASS
		133322	683	27.29	21.46	5.83	≤13	PASS
		133372	688	27.16	21.28	5.88	≤13	PASS

6.5 Frequency Stability

WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.4	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.321	1714.479	1710-1755	PASS
	Extreme (40℃)		1710.330	1714.470	1710-1755	PASS
	Extreme (30℃)		1710.330	1714.470	1710-1755	PASS
	Extreme (20℃)		1710.328	1714.472	1710-1755	PASS
	Extreme (10℃)		1710.325	1714.475	1710-1755	PASS
	Extreme (0℃)		1710.324	1714.476	1710-1755	PASS
	Extreme (-10℃)		1710.329	1714.471	1710-1755	PASS
	Extreme (-20℃)		1710.323	1714.477	1710-1755	PASS
	Extreme (-30℃)		1710.320	1714.480	1710-1755	PASS
	25℃	LV	1710.321	1714.479	1710-1755	PASS
		HV	1710.323	1714.477	1710-1755	PASS
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.6	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1750.521	1754.679	1710-1755	PASS
	Extreme (40℃)		1750.521	1754.679	1710-1755	PASS
	Extreme (30℃)		1750.520	1754.680	1710-1755	PASS
	Extreme (20℃)		1750.528	1754.672	1710-1755	PASS
	Extreme (10℃)		1750.517	1754.683	1710-1755	PASS
	Extreme (0℃)		1750.517	1754.683	1710-1755	PASS
	Extreme (-10℃)		1750.518	1754.682	1710-1755	PASS
	Extreme (-20℃)		1750.516	1754.684	1710-1755	PASS
	Extreme (-30℃)		1750.520	1754.680	1710-1755	PASS
	25℃	LV	1750.525	1754.675	1710-1755	PASS
		HV	1750.517	1754.683	1710-1755	PASS

LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme（50℃）	NV	1710.145	1711.255	1710-1755	PASS
	Extreme（40℃）		1710.149	1711.251	1710-1755	PASS
	Extreme（30℃）		1710.146	1711.254	1710-1755	PASS

	Extreme (20℃)		1710.149	1711.251	1710-1755	PASS
	Extreme (10℃)		1710.147	1711.253	1710-1755	PASS
	Extreme (0℃)		1710.148	1711.252	1710-1755	PASS
	Extreme (-10℃)		1710.147	1711.253	1710-1755	PASS
	Extreme (-20℃)		1710.146	1711.254	1710-1755	PASS
	Extreme (-30℃)		1710.145	1711.255	1710-1755	PASS
	25℃	LV	1710.147	1711.253	1710-1755	PASS
		HV	1710.147	1711.253	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1711.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.147	1712.853	1710-1755	PASS
	Extreme (40℃)		1710.149	1712.851	1710-1755	PASS
	Extreme (30℃)		1710.148	1712.852	1710-1755	PASS
	Extreme (20℃)		1710.148	1712.852	1710-1755	PASS
	Extreme (10℃)		1710.149	1712.851	1710-1755	PASS
	Extreme (0℃)		1710.146	1712.854	1710-1755	PASS
	Extreme (-10℃)		1710.149	1712.851	1710-1755	PASS
	Extreme (-20℃)		1710.148	1712.852	1710-1755	PASS
	Extreme (-30℃)		1710.150	1712.850	1710-1755	PASS
	25℃	LV	1710.148	1712.852	1710-1755	PASS
		HV	1710.148	1712.852	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.250	1714.750	1710-1755	PASS
	Extreme (40℃)		1710.272	1714.728	1710-1755	PASS
	Extreme (30℃)		1710.287	1714.713	1710-1755	PASS
	Extreme (20℃)		1710.264	1714.736	1710-1755	PASS
	Extreme (10℃)		1710.210	1714.790	1710-1755	PASS
	Extreme (0℃)		1710.259	1714.741	1710-1755	PASS
	Extreme (-10℃)		1710.288	1714.712	1710-1755	PASS
	Extreme (-20℃)		1710.281	1714.719	1710-1755	PASS
	Extreme (-30℃)		1710.208	1714.792	1710-1755	PASS
	25℃	LV	1710.208	1714.792	1710-1755	PASS
		HV	1710.299	1714.701	1710-1755	PASS
LTE B4	Condition		F Low (MHz)	F High	Limit (MHz)	Verdict

Fc(MHz)				(MHz)		
1715	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.530	1719.470	1710-1755	PASS
	Extreme (40℃)		1710.553	1719.447	1710-1755	PASS
	Extreme (30℃)		1710.618	1719.382	1710-1755	PASS
	Extreme (20℃)		1710.533	1719.467	1710-1755	PASS
	Extreme (10℃)		1710.545	1719.455	1710-1755	PASS
	Extreme (0℃)		1710.519	1719.481	1710-1755	PASS
	Extreme (-10℃)		1710.619	1719.381	1710-1755	PASS
	Extreme (-20℃)		1710.538	1719.462	1710-1755	PASS
	Extreme (-30℃)		1710.546	1719.454	1710-1755	PASS
	25℃	LV	1710.563	1719.437	1710-1755	PASS
		HV	1710.563	1719.437	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.779	1724.221	1710-1755	PASS
	Extreme (40℃)		1710.725	1724.275	1710-1755	PASS
	Extreme (30℃)		1710.742	1724.258	1710-1755	PASS
	Extreme (20℃)		1710.768	1724.232	1710-1755	PASS
	Extreme (10℃)		1710.795	1724.205	1710-1755	PASS
	Extreme (0℃)		1710.764	1724.236	1710-1755	PASS
	Extreme (-10℃)		1710.720	1724.280	1710-1755	PASS
	Extreme (-20℃)		1710.720	1724.280	1710-1755	PASS
	Extreme (-30℃)		1710.716	1724.284	1710-1755	PASS
	25℃	LV	1710.718	1724.282	1710-1755	PASS
HV		1710.733	1724.267	1710-1755	PASS	
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1711.010	1728.990	1710-1755	PASS
	Extreme (40℃)		1711.043	1728.957	1710-1755	PASS
	Extreme (30℃)		1711.038	1728.962	1710-1755	PASS
	Extreme (20℃)		1711.025	1728.975	1710-1755	PASS
	Extreme (10℃)		1711.005	1728.995	1710-1755	PASS
	Extreme (0℃)		1711.022	1728.978	1710-1755	PASS

	Extreme (-10℃)		1711.004	1728.996	1710-1755	PASS
	Extreme (-20℃)		1711.012	1728.988	1710-1755	PASS
	Extreme (-30℃)		1711.002	1728.998	1710-1755	PASS
	25℃	LV	1711.016	1728.984	1710-1755	PASS
		HV	1711.040	1728.960	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1754.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1753.747	1754.853	1710-1755	PASS
	Extreme (40℃)		1753.749	1754.851	1710-1755	PASS
	Extreme (30℃)		1753.746	1754.854	1710-1755	PASS
	Extreme (20℃)		1753.747	1754.853	1710-1755	PASS
	Extreme (10℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (0℃)		1753.746	1754.854	1710-1755	PASS
	Extreme (-10℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (-20℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (-30℃)		1753.750	1754.850	1710-1755	PASS
	25℃	LV	1753.749	1754.851	1710-1755	PASS
		HV	1753.745	1754.855	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1753.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1752.148	1754.852	1710-1755	PASS
	Extreme (40℃)		1752.147	1754.853	1710-1755	PASS
	Extreme (30℃)		1752.146	1754.854	1710-1755	PASS
	Extreme (20℃)		1752.149	1754.851	1710-1755	PASS
	Extreme (10℃)		1752.145	1754.855	1710-1755	PASS
	Extreme (0℃)		1752.148	1754.852	1710-1755	PASS
	Extreme (-10℃)		1752.145	1754.855	1710-1755	PASS
	Extreme (-20℃)		1752.146	1754.854	1710-1755	PASS
	Extreme (-30℃)		1752.146	1754.854	1710-1755	PASS
	25℃	LV	1752.148	1754.852	1710-1755	PASS
		HV	1752.146	1754.854	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.5	BANDWIDTH	5MHz				

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	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1750.288	1754.712	1710-1755	PASS
	Extreme (40℃)		1750.227	1754.773	1710-1755	PASS
	Extreme (30℃)		1750.223	1754.777	1710-1755	PASS
	Extreme (20℃)		1750.230	1754.770	1710-1755	PASS
	Extreme (10℃)		1750.275	1754.725	1710-1755	PASS
	Extreme (0℃)		1750.200	1754.800	1710-1755	PASS
	Extreme (-10℃)		1750.248	1754.752	1710-1755	PASS
	Extreme (-20℃)		1750.261	1754.739	1710-1755	PASS
	Extreme (-30℃)		1750.285	1754.715	1710-1755	PASS
	25℃	LV	1750.255	1754.745	1710-1755	PASS
		HV	1750.286	1754.714	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1750	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1745.638	1754.362	1710-1755	PASS
	Extreme (40℃)		1745.615	1754.385	1710-1755	PASS
	Extreme (30℃)		1745.553	1754.447	1710-1755	PASS
	Extreme (20℃)		1745.575	1754.425	1710-1755	PASS
	Extreme (10℃)		1745.506	1754.494	1710-1755	PASS
	Extreme (0℃)		1745.528	1754.472	1710-1755	PASS
	Extreme (-10℃)		1745.572	1754.428	1710-1755	PASS
	Extreme (-20℃)		1745.545	1754.455	1710-1755	PASS
	Extreme (-30℃)		1745.634	1754.366	1710-1755	PASS
	25℃	LV	1745.609	1754.391	1710-1755	PASS
HV		1745.604	1754.396	1710-1755	PASS	
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1747.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1740.709	1754.291	1710-1755	PASS
	Extreme (40℃)		1740.739	1754.261	1710-1755	PASS
	Extreme (30℃)		1740.797	1754.203	1710-1755	PASS
	Extreme (20℃)		1740.717	1754.283	1710-1755	PASS
	Extreme (10℃)		1740.785	1754.215	1710-1755	PASS
	Extreme (0℃)		1740.707	1754.293	1710-1755	PASS
	Extreme (-10℃)		1740.772	1754.228	1710-1755	PASS
	Extreme (-20℃)		1740.733	1754.267	1710-1755	PASS
	Extreme (-30℃)		1740.737	1754.263	1710-1755	PASS

	25℃	LV	1740.727	1754.273	1710-1755	PASS
		HV	1740.724	1754.276	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1745	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1735.986	1754.014	1710-1755	PASS
	Extreme (40℃)		1735.925	1754.075	1710-1755	PASS
	Extreme (30℃)		1735.920	1754.080	1710-1755	PASS
	Extreme (20℃)		1735.972	1754.028	1710-1755	PASS
	Extreme (10℃)		1735.914	1754.086	1710-1755	PASS
	Extreme (0℃)		1735.933	1754.067	1710-1755	PASS
	Extreme (-10℃)		1735.963	1754.037	1710-1755	PASS
	Extreme (-20℃)		1735.989	1754.011	1710-1755	PASS
	Extreme (-30℃)		1735.990	1754.010	1710-1755	PASS
	25℃	LV	1735.949	1754.051	1710-1755	PASS
		HV	1735.963	1754.037	1710-1755	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
699.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	699.148	700.252	699-716	PASS
	Extreme (40℃)		699.148	700.252	699-716	PASS
	Extreme (30℃)		699.146	700.254	699-716	PASS
	Extreme (20℃)		699.149	700.251	699-716	PASS
	Extreme (10℃)		699.147	700.253	699-716	PASS
	Extreme (0℃)		699.149	700.251	699-716	PASS
	Extreme (-10℃)		699.146	700.254	699-716	PASS
	Extreme (-20℃)		699.148	700.252	699-716	PASS
	Extreme (-30℃)		699.148	700.252	699-716	PASS
	25℃	LV	699.149	700.251	699-716	PASS
		HV	699.147	700.253	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
700.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	699.148	701.852	699-716	PASS
	Extreme (40℃)		699.149	701.851	699-716	PASS

	Extreme (30℃)		699.147	701.853	699-716	PASS
	Extreme (20℃)		699.150	701.850	699-716	PASS
	Extreme (10℃)		699.146	701.854	699-716	PASS
	Extreme (0℃)		699.145	701.855	699-716	PASS
	Extreme (-10℃)		699.147	701.853	699-716	PASS
	Extreme (-20℃)		699.148	701.852	699-716	PASS
	Extreme (-30℃)		699.147	701.853	699-716	PASS
	25℃	LV	699.149	701.851	699-716	PASS
HV		699.147	701.853	699-716	PASS	
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
701.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	699.208	703.792	699-716	PASS
	Extreme (40℃)		699.214	703.786	699-716	PASS
	Extreme (30℃)		699.287	703.713	699-716	PASS
	Extreme (20℃)		699.297	703.703	699-716	PASS
	Extreme (10℃)		699.263	703.737	699-716	PASS
	Extreme (0℃)		699.281	703.719	699-716	PASS
	Extreme (-10℃)		699.282	703.718	699-716	PASS
	Extreme (-20℃)		699.272	703.728	699-716	PASS
	Extreme (-30℃)		699.270	703.730	699-716	PASS
	25℃	LV	699.291	703.709	699-716	PASS
		HV	699.201	703.799	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
704	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	699.607	708.393	699-716	PASS
	Extreme (40℃)		699.557	708.443	699-716	PASS
	Extreme (30℃)		699.640	708.360	699-716	PASS
	Extreme (20℃)		699.505	708.495	699-716	PASS
	Extreme (10℃)		699.623	708.377	699-716	PASS
	Extreme (0℃)		699.537	708.463	699-716	PASS
	Extreme (-10℃)		699.606	708.394	699-716	PASS
	Extreme (-20℃)		699.635	708.365	699-716	PASS
	Extreme (-30℃)		699.564	708.436	699-716	PASS
	25℃	LV	699.550	708.450	699-716	PASS
		HV	699.565	708.435	699-716	PASS

LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
715.3	BANDWIDTH	1.4MHz	QPSK	QPSK	699-716	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	714.749	715.851	699-716	PASS
	Extreme (40°C)		714.749	715.851	699-716	PASS
	Extreme (30°C)		714.748	715.852	699-716	PASS
	Extreme (20°C)		714.750	715.850	699-716	PASS
	Extreme (10°C)		714.747	715.853	699-716	PASS
	Extreme (0°C)		714.749	715.851	699-716	PASS
	Extreme (-10°C)		714.746	715.854	699-716	PASS
	Extreme (-20°C)		714.746	715.854	699-716	PASS
	Extreme (-30°C)		714.748	715.852	699-716	PASS
	25°C	LV	714.748	715.852	699-716	PASS
		HV	714.746	715.854	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
714.5	BANDWIDTH	3MHz	QPSK	QPSK	699-716	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	713.145	715.855	699-716	PASS
	Extreme (40°C)		713.147	715.853	699-716	PASS
	Extreme (30°C)		713.146	715.854	699-716	PASS
	Extreme (20°C)		713.148	715.852	699-716	PASS
	Extreme (10°C)		713.145	715.855	699-716	PASS
	Extreme (0°C)		713.147	715.853	699-716	PASS
	Extreme (-10°C)		713.148	715.852	699-716	PASS
	Extreme (-20°C)		713.146	715.854	699-716	PASS
	Extreme (-30°C)		713.149	715.851	699-716	PASS
	25°C	LV	713.145	715.855	699-716	PASS
		HV	713.146	715.854	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
713.5	BANDWIDTH	5MHz	QPSK	QPSK	699-716	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	711.288	715.712	699-716	PASS
	Extreme (40°C)		711.285	715.715	699-716	PASS
	Extreme (30°C)		711.292	715.708	699-716	PASS
	Extreme (20°C)		711.233	715.767	699-716	PASS
	Extreme (10°C)		711.296	715.704	699-716	PASS

	Extreme (0℃)		711.278	715.722	699-716	PASS
	Extreme (-10℃)		711.211	715.789	699-716	PASS
	Extreme (-20℃)		711.207	715.793	699-716	PASS
	Extreme (-30℃)		711.238	715.762	699-716	PASS
	25℃	LV	711.262	715.738	699-716	PASS
		HV	711.210	715.790	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
711	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	706.588	715.412	699-716	PASS
	Extreme (40℃)		706.513	715.487	699-716	PASS
	Extreme (30℃)		706.561	715.439	699-716	PASS
	Extreme (20℃)		706.632	715.368	699-716	PASS
	Extreme (10℃)		706.579	715.421	699-716	PASS
	Extreme (0℃)		706.596	715.404	699-716	PASS
	Extreme (-10℃)		706.587	715.413	699-716	PASS
	Extreme (-20℃)		706.585	715.415	699-716	PASS
	Extreme (-30℃)		706.604	715.396	699-716	PASS
	25℃	LV	706.551	715.449	699-716	PASS
		HV	706.505	715.495	699-716	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
779.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	777.269	781.731	777-787	PASS
	Extreme (40℃)		777.240	781.760	777-787	PASS
	Extreme (30℃)		777.295	781.705	777-787	PASS
	Extreme (20℃)		777.203	781.797	777-787	PASS
	Extreme (10℃)		777.249	781.751	777-787	PASS
	Extreme (0℃)		777.209	781.791	777-787	PASS
	Extreme (-10℃)		777.237	781.763	777-787	PASS
	Extreme (-20℃)		777.244	781.756	777-787	PASS
	Extreme (-30℃)		777.284	781.716	777-787	PASS
	25℃	LV	777.258	781.742	777-787	PASS
		HV	777.246	781.754	777-787	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

782	BANDWIDTH		10MHz				
	Temperature		Voltage	QPSK			
	Extreme（50℃）		NV	777.536	786.464	777-787	PASS
	Extreme（40℃）			777.519	786.481	777-787	PASS
	Extreme（30℃）			777.648	786.352	777-787	PASS
	Extreme（20℃）			777.531	786.469	777-787	PASS
	Extreme（10℃）			777.578	786.422	777-787	PASS
	Extreme（0℃）			777.631	786.369	777-787	PASS
	Extreme（-10℃）			777.500	786.500	777-787	PASS
	Extreme（-20℃）			777.509	786.491	777-787	PASS
	Extreme（-30℃）			777.600	786.400	777-787	PASS
	25℃		LV	777.650	786.350	777-787	PASS
		HV	777.516	786.484	777-787	PASS	
LTE B13 Fc(MHz)	Condition			F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
784.5	BANDWIDTH		5MHz				
	Temperature		Voltage	QPSK			
	Extreme（50℃）		NV	782.232	786.768	777-787	PASS
	Extreme（40℃）			782.202	786.798	777-787	PASS
	Extreme（30℃）			782.230	786.770	777-787	PASS
	Extreme（20℃）			782.298	786.702	777-787	PASS
	Extreme（10℃）			782.230	786.770	777-787	PASS
	Extreme（0℃）			782.299	786.701	777-787	PASS
	Extreme（-10℃）			782.217	786.783	777-787	PASS
	Extreme（-20℃）			782.263	786.737	777-787	PASS
	Extreme（-30℃）			782.256	786.744	777-787	PASS
	25℃		LV	782.275	786.725	777-787	PASS
			HV	782.214	786.786	777-787	PASS
LTE B66 Fc(MHz)	Condition			F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH		1.4MHz				
	Temperature		Voltage	QPSK			
	Extreme（50℃）		NV	1710.150	1711.250	1710-1780	PASS
	Extreme（40℃）			1710.148	1711.252	1710-1780	PASS
	Extreme（30℃）			1710.150	1711.250	1710-1780	PASS
	Extreme（20℃）			1710.150	1711.250	1710-1780	PASS
	Extreme（10℃）			1710.148	1711.252	1710-1780	PASS
	Extreme（0℃）			1710.148	1711.252	1710-1780	PASS
	Extreme（-10℃）			1710.145	1711.255	1710-1780	PASS

	Extreme (-20℃)		1710.148	1711.252	1710-1780	PASS
	Extreme (-30℃)		1710.146	1711.254	1710-1780	PASS
	25℃	LV	1710.145	1711.255	1710-1780	PASS
		HV	1710.148	1711.252	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1711.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.149	1712.851	1710-1780	PASS
	Extreme (40℃)		1710.148	1712.852	1710-1780	PASS
	Extreme (30℃)		1710.146	1712.854	1710-1780	PASS
	Extreme (20℃)		1710.148	1712.852	1710-1780	PASS
	Extreme (10℃)		1710.148	1712.852	1710-1780	PASS
	Extreme (0℃)		1710.150	1712.850	1710-1780	PASS
	Extreme (-10℃)		1710.150	1712.850	1710-1780	PASS
	Extreme (-20℃)		1710.150	1712.850	1710-1780	PASS
	Extreme (-30℃)		1710.148	1712.852	1710-1780	PASS
	25℃	LV	1710.147	1712.853	1710-1780	PASS
		HV	1710.149	1712.851	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.201	1714.799	1710-1780	PASS
	Extreme (40℃)		1710.255	1714.745	1710-1780	PASS
	Extreme (30℃)		1710.267	1714.733	1710-1780	PASS
	Extreme (20℃)		1710.284	1714.716	1710-1780	PASS
	Extreme (10℃)		1710.214	1714.786	1710-1780	PASS
	Extreme (0℃)		1710.272	1714.728	1710-1780	PASS
	Extreme (-10℃)		1710.235	1714.765	1710-1780	PASS
	Extreme (-20℃)		1710.201	1714.799	1710-1780	PASS
	Extreme (-30℃)		1710.240	1714.760	1710-1780	PASS
	25℃	LV	1710.290	1714.710	1710-1780	PASS
		HV	1710.231	1714.769	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			

	Extreme (50℃)	NV	1710.551	1719.449	1710-1780	PASS
	Extreme (40℃)		1710.542	1719.458	1710-1780	PASS
	Extreme (30℃)		1710.648	1719.352	1710-1780	PASS
	Extreme (20℃)		1710.621	1719.379	1710-1780	PASS
	Extreme (10℃)		1710.517	1719.483	1710-1780	PASS
	Extreme (0℃)		1710.524	1719.476	1710-1780	PASS
	Extreme (-10℃)		1710.585	1719.415	1710-1780	PASS
	Extreme (-20℃)		1710.548	1719.452	1710-1780	PASS
	Extreme (-30℃)		1710.607	1719.393	1710-1780	PASS
	25℃	LV	1710.609	1719.391	1710-1780	PASS
		HV	1710.586	1719.414	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.710	1724.290	1710-1780	PASS
	Extreme (40℃)		1710.729	1724.271	1710-1780	PASS
	Extreme (30℃)		1710.768	1724.232	1710-1780	PASS
	Extreme (20℃)		1710.705	1724.295	1710-1780	PASS
	Extreme (10℃)		1710.745	1724.255	1710-1780	PASS
	Extreme (0℃)		1710.713	1724.287	1710-1780	PASS
	Extreme (-10℃)		1710.740	1724.260	1710-1780	PASS
	Extreme (-20℃)		1710.755	1724.245	1710-1780	PASS
	Extreme (-30℃)		1710.745	1724.255	1710-1780	PASS
	25℃	LV	1710.758	1724.242	1710-1780	PASS
	HV	1710.796	1724.204	1710-1780	PASS	
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1711.013	1728.987	1710-1780	PASS
	Extreme (40℃)		1711.031	1728.969	1710-1780	PASS
	Extreme (30℃)		1711.029	1728.971	1710-1780	PASS
	Extreme (20℃)		1711.042	1728.958	1710-1780	PASS
	Extreme (10℃)		1711.023	1728.977	1710-1780	PASS
	Extreme (0℃)		1711.047	1728.953	1710-1780	PASS
	Extreme (-10℃)		1711.012	1728.988	1710-1780	PASS
	Extreme (-20℃)		1711.016	1728.984	1710-1780	PASS
	Extreme (-30℃)		1711.041	1728.959	1710-1780	PASS
	25℃	LV	1711.039	1728.961	1710-1780	PASS

		HV	1711.041	1728.959	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1779.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1778.747	1779.853	1710-1780	PASS
	Extreme (40℃)		1778.748	1779.852	1710-1780	PASS
	Extreme (30℃)		1778.746	1779.854	1710-1780	PASS
	Extreme (20℃)		1778.746	1779.854	1710-1780	PASS
	Extreme (10℃)		1778.749	1779.851	1710-1780	PASS
	Extreme (0℃)		1778.750	1779.850	1710-1780	PASS
	Extreme (-10℃)		1778.746	1779.854	1710-1780	PASS
	Extreme (-20℃)		1778.749	1779.851	1710-1780	PASS
	Extreme (-30℃)		1778.749	1779.851	1710-1780	PASS
	25℃	LV	1778.747	1779.853	1710-1780	PASS
		HV	1778.747	1779.853	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1778.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1777.148	1779.852	1710-1780	PASS
	Extreme (40℃)		1777.147	1779.853	1710-1780	PASS
	Extreme (30℃)		1777.147	1779.853	1710-1780	PASS
	Extreme (20℃)		1777.149	1779.851	1710-1780	PASS
	Extreme (10℃)		1777.146	1779.854	1710-1780	PASS
	Extreme (0℃)		1777.146	1779.854	1710-1780	PASS
	Extreme (-10℃)		1777.147	1779.853	1710-1780	PASS
	Extreme (-20℃)		1777.148	1779.852	1710-1780	PASS
	Extreme (-30℃)		1777.147	1779.853	1710-1780	PASS
	25℃	LV	1777.148	1779.852	1710-1780	PASS
		HV	1777.147	1779.853	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1777.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1775.246	1779.754	1710-1780	PASS
	Extreme (40℃)		1775.257	1779.743	1710-1780	PASS
	Extreme (30℃)		1775.267	1779.733	1710-1780	PASS

	Extreme (20℃)		1775.244	1779.756	1710-1780	PASS
	Extreme (10℃)		1775.298	1779.702	1710-1780	PASS
	Extreme (0℃)		1775.241	1779.759	1710-1780	PASS
	Extreme (-10℃)		1775.231	1779.769	1710-1780	PASS
	Extreme (-20℃)		1775.296	1779.704	1710-1780	PASS
	Extreme (-30℃)		1775.297	1779.703	1710-1780	PASS
	25℃	LV	1775.250	1779.750	1710-1780	PASS
		HV	1775.283	1779.717	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1775	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1770.613	1779.387	1710-1780	PASS
	Extreme (40℃)		1770.594	1779.406	1710-1780	PASS
	Extreme (30℃)		1770.596	1779.404	1710-1780	PASS
	Extreme (20℃)		1770.634	1779.366	1710-1780	PASS
	Extreme (10℃)		1770.635	1779.365	1710-1780	PASS
	Extreme (0℃)		1770.626	1779.374	1710-1780	PASS
	Extreme (-10℃)		1770.534	1779.466	1710-1780	PASS
	Extreme (-20℃)		1770.641	1779.359	1710-1780	PASS
	Extreme (-30℃)		1770.520	1779.480	1710-1780	PASS
	25℃	LV	1770.571	1779.429	1710-1780	PASS
		HV	1770.627	1779.373	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1772.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1765.790	1779.210	1710-1780	PASS
	Extreme (40℃)		1765.790	1779.210	1710-1780	PASS
	Extreme (30℃)		1765.700	1779.300	1710-1780	PASS
	Extreme (20℃)		1765.799	1779.201	1710-1780	PASS
	Extreme (10℃)		1765.738	1779.262	1710-1780	PASS
	Extreme (0℃)		1765.702	1779.298	1710-1780	PASS
	Extreme (-10℃)		1765.727	1779.273	1710-1780	PASS
	Extreme (-20℃)		1765.719	1779.281	1710-1780	PASS
	Extreme (-30℃)		1765.722	1779.278	1710-1780	PASS
	25℃	LV	1765.772	1779.228	1710-1780	PASS
		HV	1765.708	1779.292	1710-1780	PASS
LTE B66	Condition		F Low (MHz)	F High	Limit (MHz)	Verdict

Fc(MHz)				(MHz)		
1770	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1760.901	1779.099	1710-1780	PASS
	Extreme (40℃)		1760.986	1779.014	1710-1780	PASS
	Extreme (30℃)		1760.910	1779.090	1710-1780	PASS
	Extreme (20℃)		1760.935	1779.065	1710-1780	PASS
	Extreme (10℃)		1760.989	1779.011	1710-1780	PASS
	Extreme (0℃)		1760.968	1779.032	1710-1780	PASS
	Extreme (-10℃)		1760.921	1779.079	1710-1780	PASS
	Extreme (-20℃)		1760.953	1779.047	1710-1780	PASS
	Extreme (-30℃)		1760.923	1779.077	1710-1780	PASS
	25℃	LV	1760.912	1779.088	1710-1780	PASS
		HV	1760.958	1779.042	1710-1780	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
665.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	663.258	667.742	663-698	PASS
	Extreme (40℃)		663.256	667.744	663-698	PASS
	Extreme (30℃)		663.254	667.746	663-698	PASS
	Extreme (20℃)		663.252	667.748	663-698	PASS
	Extreme (10℃)		663.254	667.746	663-698	PASS
	Extreme (0℃)		663.253	667.747	663-698	PASS
	Extreme (-10℃)		663.255	667.745	663-698	PASS
	Extreme (-20℃)		663.251	667.749	663-698	PASS
	Extreme (-30℃)		663.258	667.742	663-698	PASS
	25℃	LV	663.251	667.749	663-698	PASS
HV		663.258	667.742	663-698	PASS	
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
668	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	663.519	672.481	663-698	PASS
	Extreme (40℃)		663.521	672.479	663-698	PASS
	Extreme (30℃)		663.514	672.486	663-698	PASS
	Extreme (20℃)		663.532	672.468	663-698	PASS
	Extreme (10℃)		663.529	672.471	663-698	PASS
	Extreme (0℃)		663.532	672.468	663-698	PASS

	Extreme (-10℃)		663.528	672.472	663-698	PASS
	Extreme (-20℃)		663.528	672.472	663-698	PASS
	Extreme (-30℃)		663.521	672.479	663-698	PASS
	25℃	LV	663.524	672.476	663-698	PASS
		HV	663.506	672.494	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
670.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	663.702	677.298	663-698	PASS
	Extreme (40℃)		663.764	677.236	663-698	PASS
	Extreme (30℃)		663.762	677.238	663-698	PASS
	Extreme (20℃)		663.711	677.289	663-698	PASS
	Extreme (10℃)		663.791	677.209	663-698	PASS
	Extreme (0℃)		663.716	677.284	663-698	PASS
	Extreme (-10℃)		663.794	677.206	663-698	PASS
	Extreme (-20℃)		663.765	677.235	663-698	PASS
	Extreme (-30℃)		663.718	677.282	663-698	PASS
	25℃	LV	663.718	677.282	663-698	PASS
		HV	663.716	677.284	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
673	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	664.047	681.953	663-698	PASS
	Extreme (40℃)		664.047	681.953	663-698	PASS
	Extreme (30℃)		664.046	681.954	663-698	PASS
	Extreme (20℃)		664.045	681.955	663-698	PASS
	Extreme (10℃)		664.050	681.950	663-698	PASS
	Extreme (0℃)		664.049	681.951	663-698	PASS
	Extreme (-10℃)		664.045	681.955	663-698	PASS
	Extreme (-20℃)		664.050	681.950	663-698	PASS
	Extreme (-30℃)		664.050	681.950	663-698	PASS
	25℃	LV	664.045	681.955	663-698	PASS
		HV	664.045	681.955	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
695.5	BANDWIDTH	5MHz				

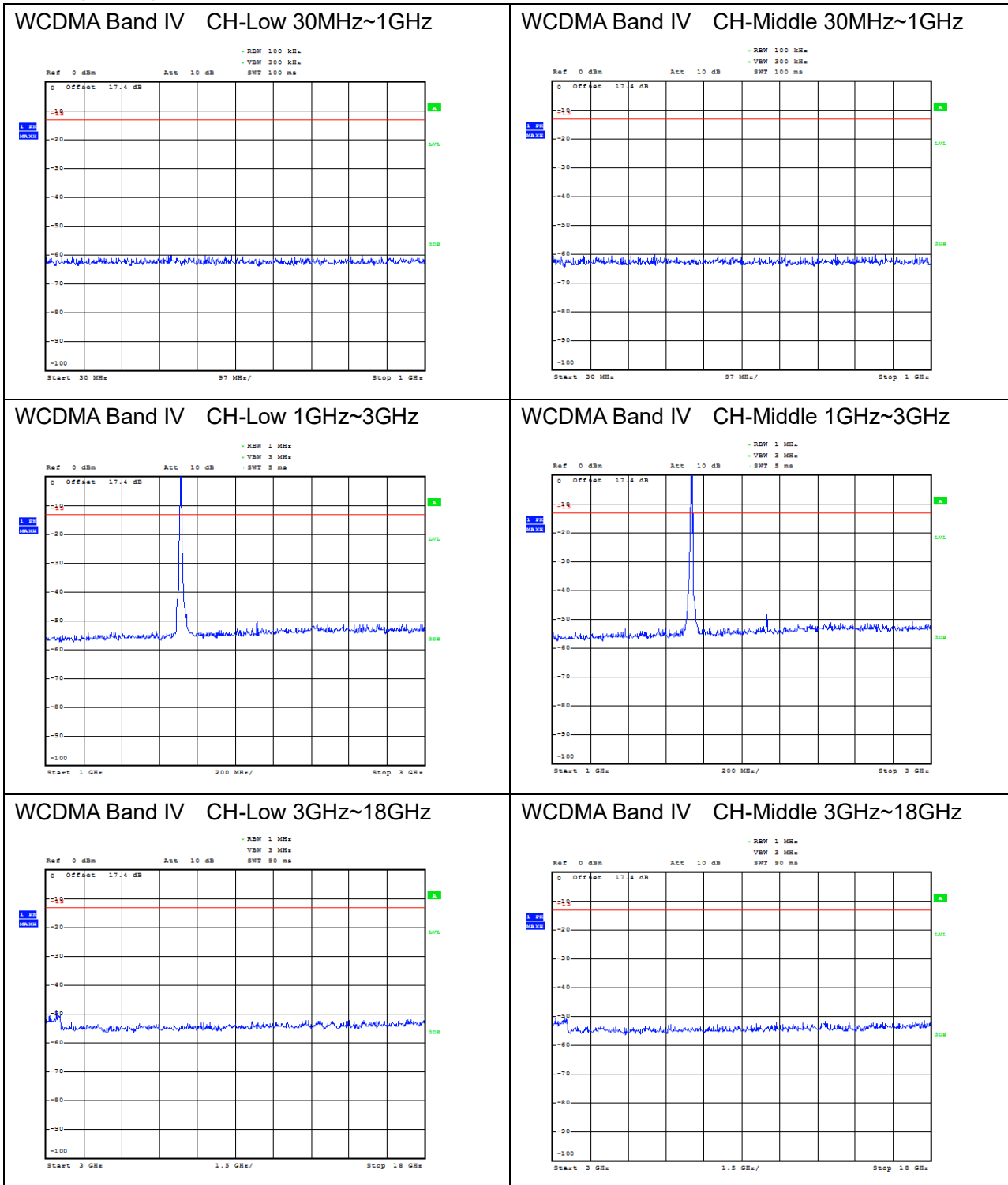
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	693.255	697.745	663-698	PASS
	Extreme (40℃)		693.253	697.747	663-698	PASS
	Extreme (30℃)		693.252	697.748	663-698	PASS
	Extreme (20℃)		693.259	697.741	663-698	PASS
	Extreme (10℃)		693.254	697.746	663-698	PASS
	Extreme (0℃)		693.257	697.743	663-698	PASS
	Extreme (-10℃)		693.256	697.744	663-698	PASS
	Extreme (-20℃)		693.260	697.740	663-698	PASS
	Extreme (-30℃)		693.255	697.745	663-698	PASS
	25℃		LV	693.254	697.746	663-698
		HV	693.257	697.743	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
693	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	688.510	697.490	663-698	PASS
	Extreme (40℃)		688.518	697.482	663-698	PASS
	Extreme (30℃)		688.511	697.489	663-698	PASS
	Extreme (20℃)		688.506	697.494	663-698	PASS
	Extreme (10℃)		688.528	697.472	663-698	PASS
	Extreme (0℃)		688.519	697.481	663-698	PASS
	Extreme (-10℃)		688.523	697.477	663-698	PASS
	Extreme (-20℃)		688.527	697.473	663-698	PASS
	Extreme (-30℃)		688.521	697.479	663-698	PASS
	25℃		LV	688.525	697.475	663-698
HV		688.523	697.477	663-698	PASS	
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
690.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	683.707	697.293	663-698	PASS
	Extreme (40℃)		683.711	697.289	663-698	PASS
	Extreme (30℃)		683.756	697.244	663-698	PASS
	Extreme (20℃)		683.799	697.201	663-698	PASS
	Extreme (10℃)		683.760	697.240	663-698	PASS
	Extreme (0℃)		683.776	697.224	663-698	PASS
	Extreme (-10℃)		683.795	697.205	663-698	PASS
	Extreme (-20℃)		683.706	697.294	663-698	PASS
	Extreme (-30℃)		683.714	697.286	663-698	PASS

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	25°C	LV	683.783	697.217	663-698	PASS
		HV	683.709	697.291	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
688	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	679.048	696.952	663-698	PASS
	Extreme (40°C)		679.047	696.953	663-698	PASS
	Extreme (30°C)		679.046	696.954	663-698	PASS
	Extreme (20°C)		679.048	696.952	663-698	PASS
	Extreme (10°C)		679.048	696.952	663-698	PASS
	Extreme (0°C)		679.046	696.954	663-698	PASS
	Extreme (-10°C)		679.049	696.951	663-698	PASS
	Extreme (-20°C)		679.048	696.952	663-698	PASS
	Extreme (-30°C)		679.048	696.952	663-698	PASS
	25°C		LV	679.045	696.955	663-698
		HV	679.046	696.954	663-698	PASS

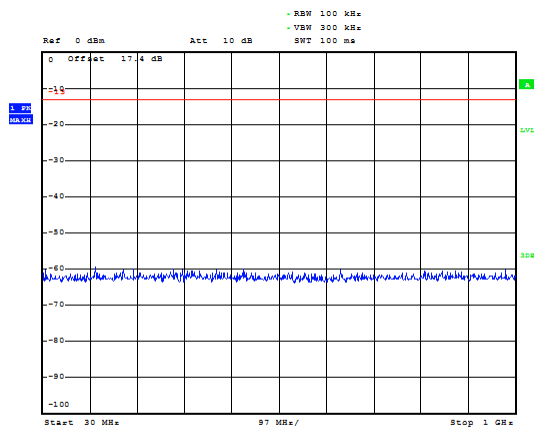
6.6 Spurious Emissions at Antenna Terminals

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.

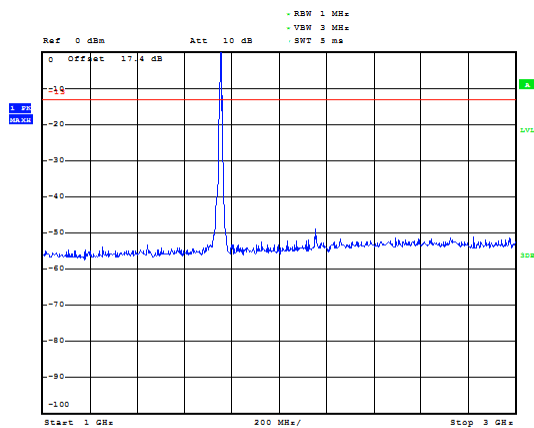
The signal beyond the limit is carrier.



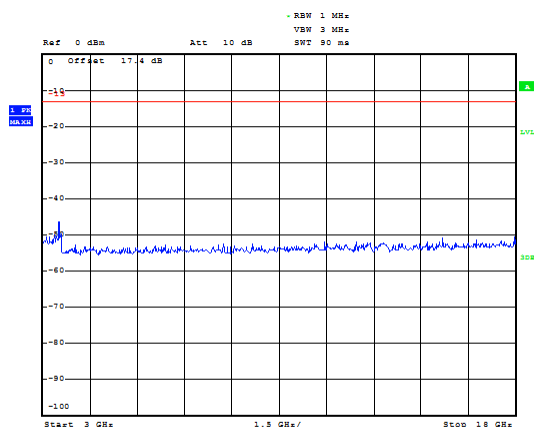
WCDMA Band IV CH-High 30MHz~1GHz



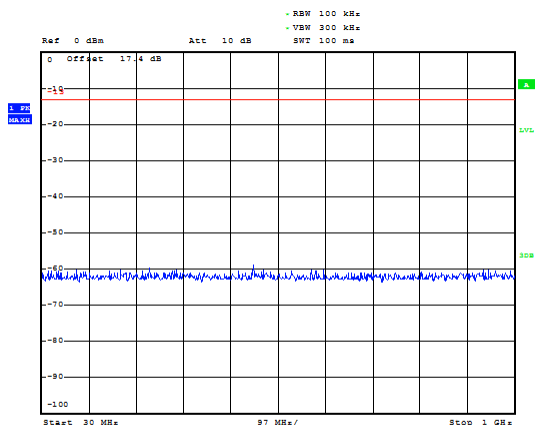
WCDMA Band IV CH-High 1GHz~3GHz



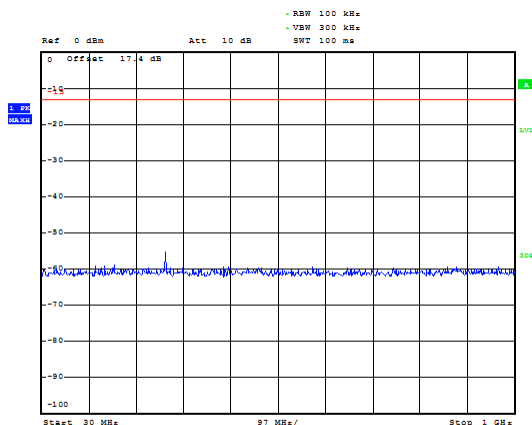
WCDMA Band IV CH-High 3GHz~18GHz



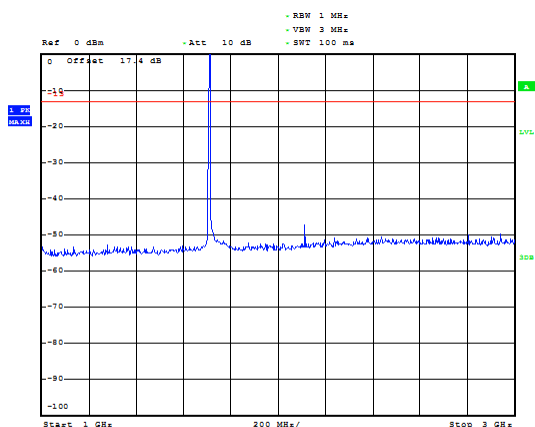
LTE Band 4 1.4MHz CH-Low 30MHz~1GHz



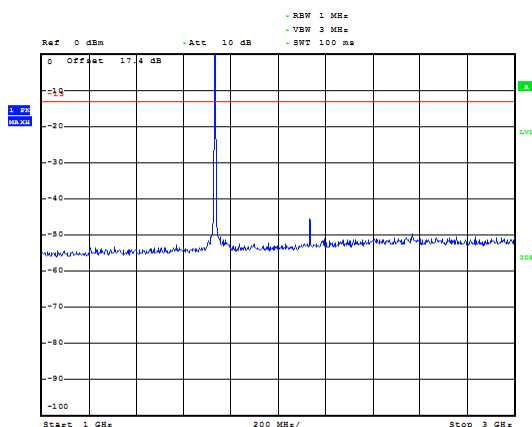
LTE Band 4 1.4MHz CH-Middle 30MHz~1GHz



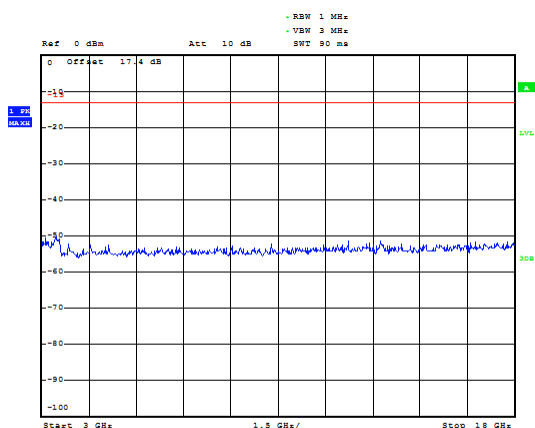
LTE Band 4 1.4MHz CH-Low 1GHz~3GHz



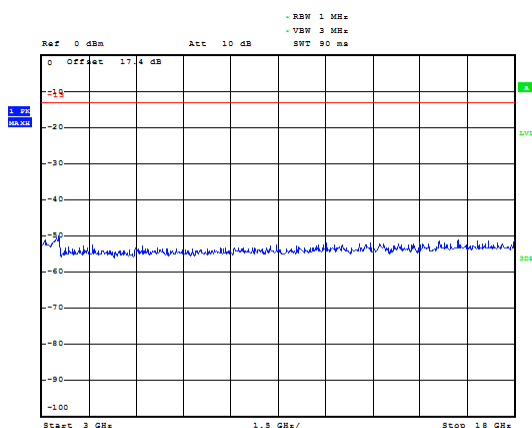
LTE Band 4 1.4MHz CH-Middle 1GHz~3GHz



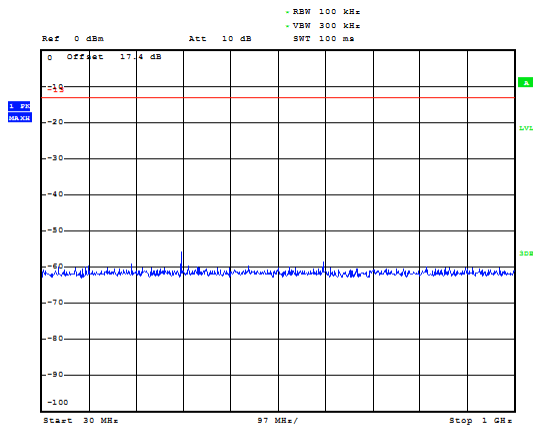
LTE Band 4 1.4MHz CH-Low 3GHz~18GHz



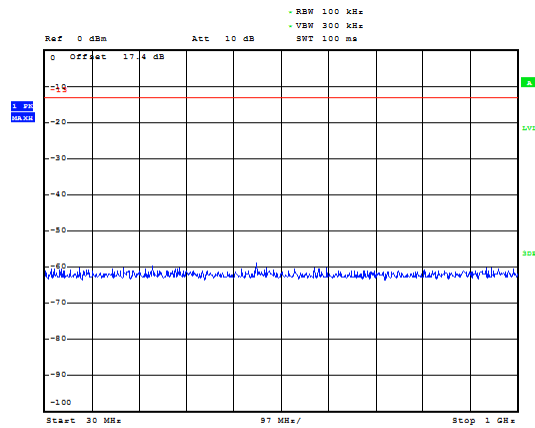
LTE Band 4 1.4MHz CH-Middle 3GHz~18GHz



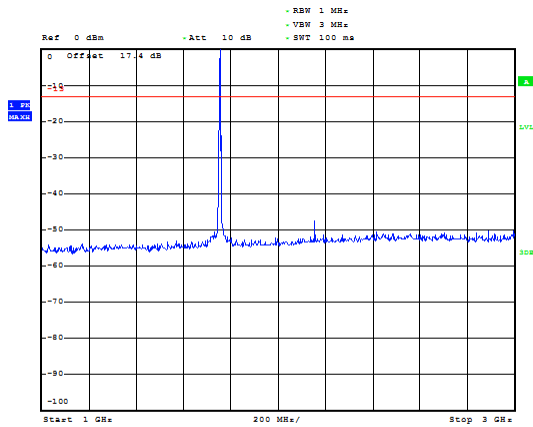
LTE Band 4 1.4MHz CH-High 30MHz~1GHz



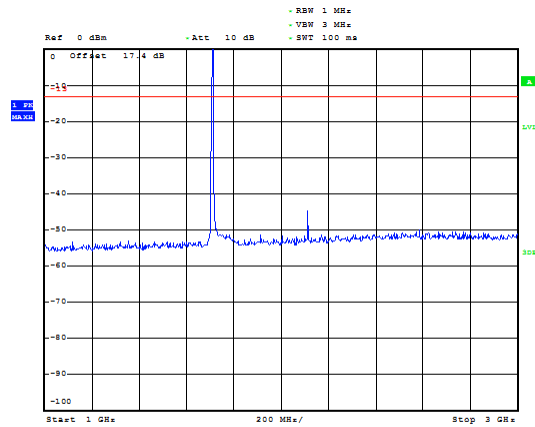
LTE Band 4 3MHz CH-Low 30MHz~1GHz



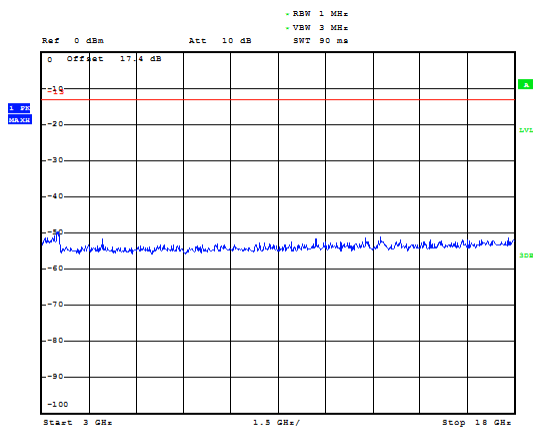
LTE Band 4 1.4MHz CH-High 1GHz~3GHz



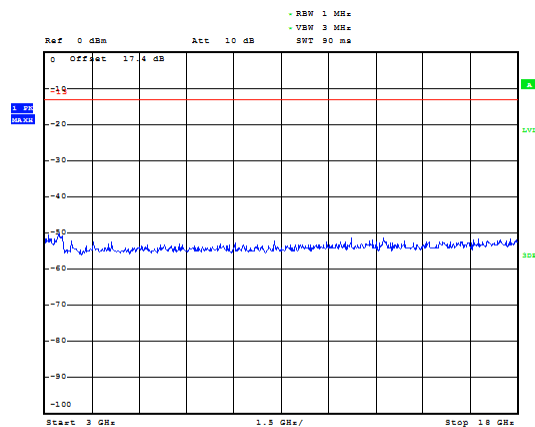
LTE Band 4 3MHz CH-Low 1GHz~3GHz



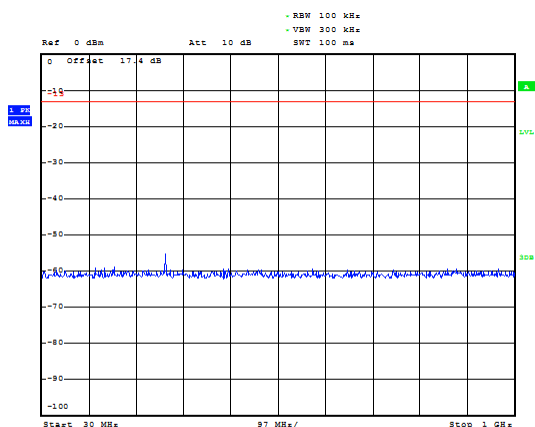
LTE Band 4 1.4MHz CH-High 3GHz~18GHz



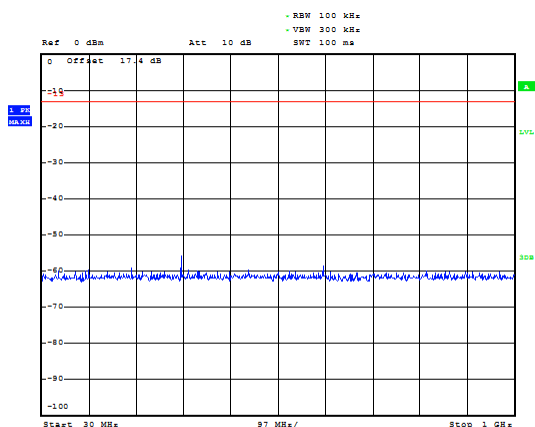
LTE Band 4 3MHz CH-Low 3GHz~18GHz



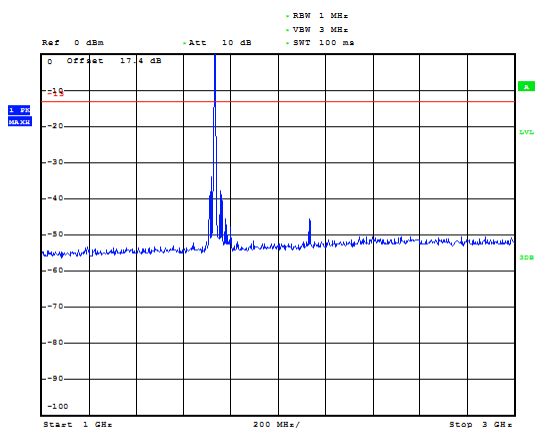
LTE Band 4 3MHz CH-Middle 30MHz~1GHz



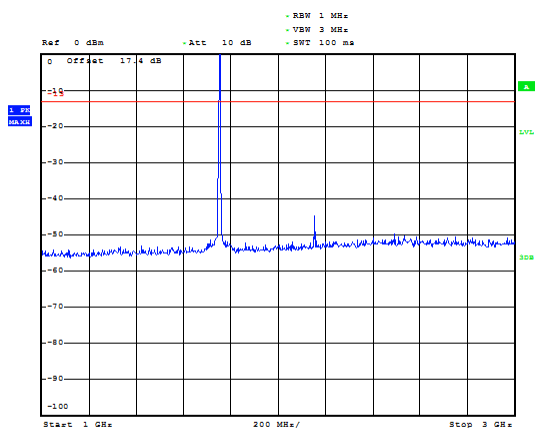
LTE Band 4 3MHz CH-High 30MHz~1GHz



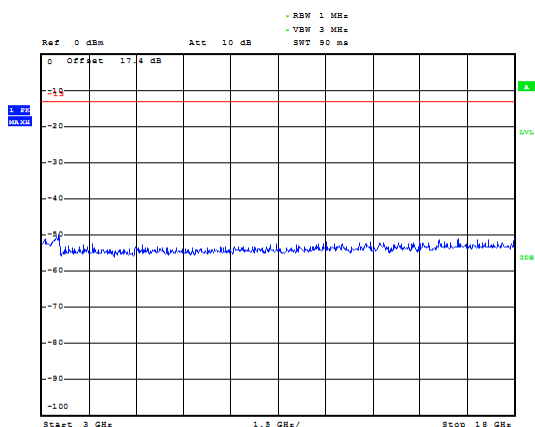
LTE Band 4 3MHz CH-Middle 1GHz~3GHz



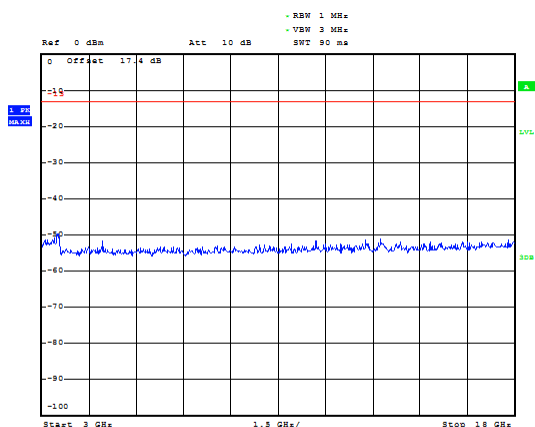
LTE Band 4 3MHz CH-High 1GHz~3GHz



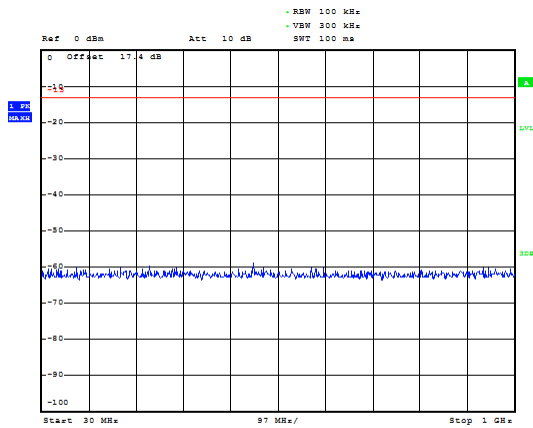
LTE Band 4 3MHz CH-Middle 3GHz~18GHz



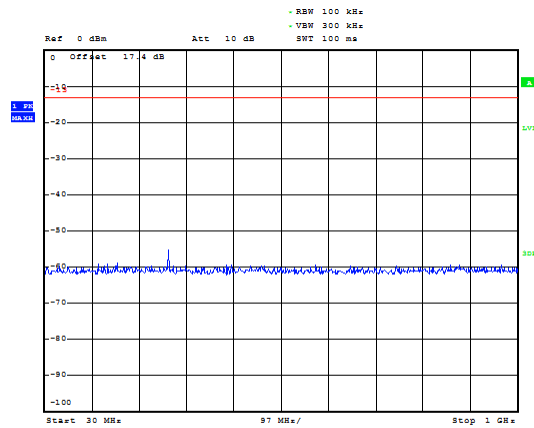
LTE Band 4 3MHz CH-High 3GHz~18GHz



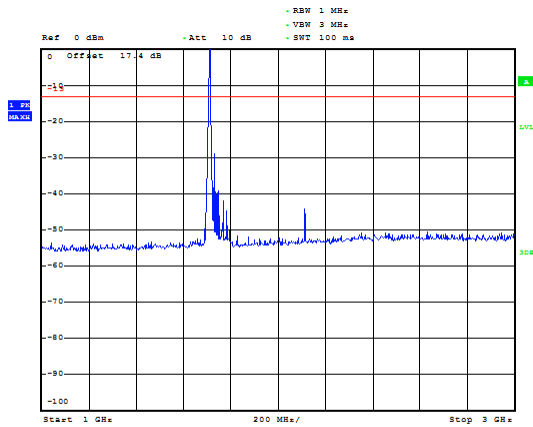
LTE Band 4 5MHz CH-Low 30MHz~1GHz



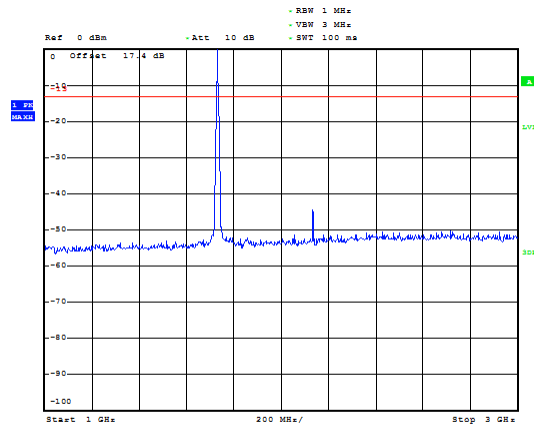
LTE Band 4 5MHz CH-Middle 30MHz~1GHz



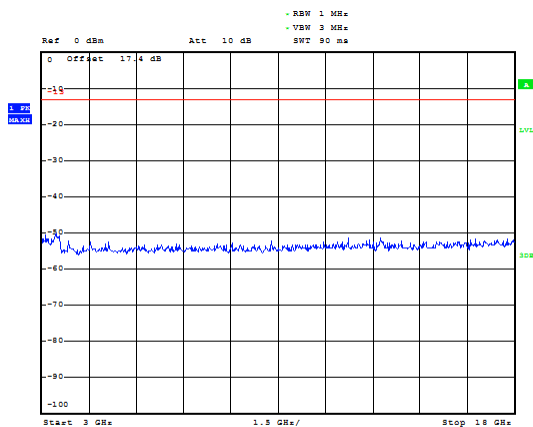
LTE Band 4 5MHz CH-Low 1GHz~3GHz



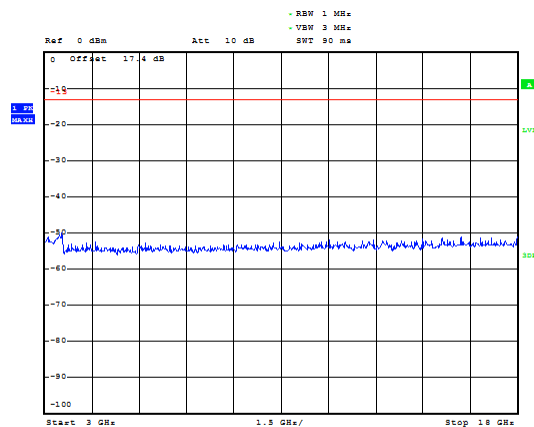
LTE Band 4 5MHz CH-Middle 1GHz~3GHz



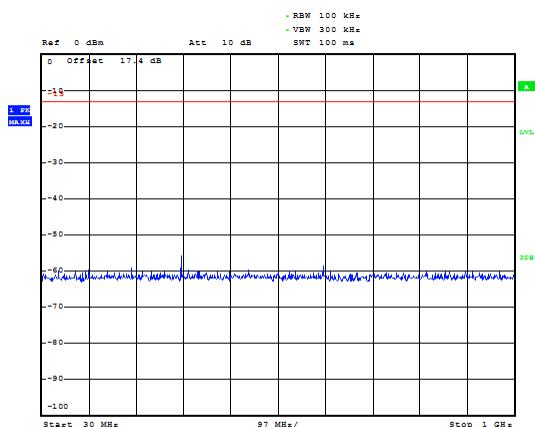
LTE Band 4 5MHz CH-Low 3GHz~18GHz



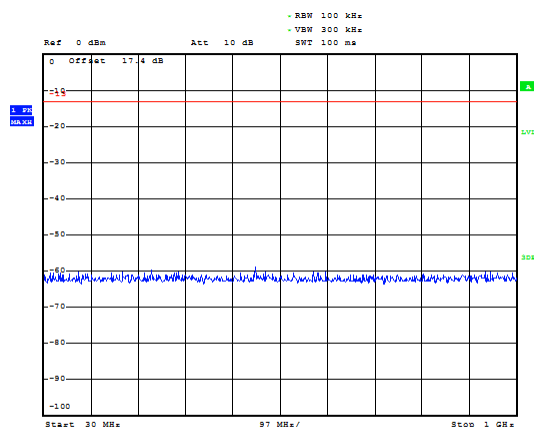
LTE Band 4 5MHz CH-Middle 3GHz~18GHz



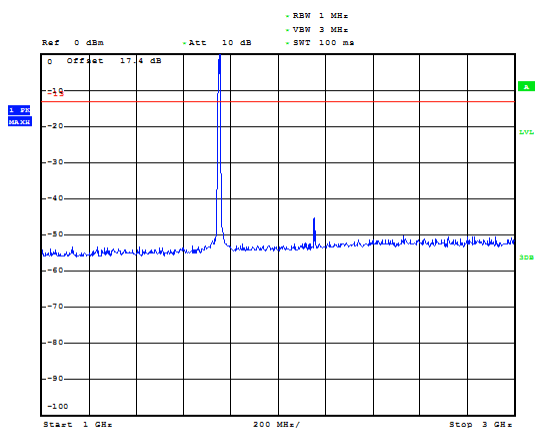
LTE Band 4 5MHz CH-High 30MHz~1GHz



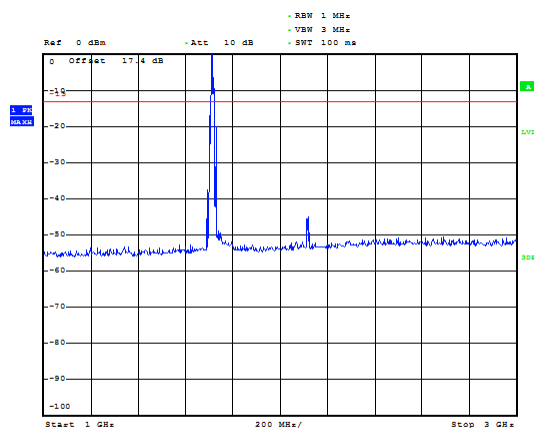
LTE Band 4 10MHz CH-Low 30MHz~1GHz



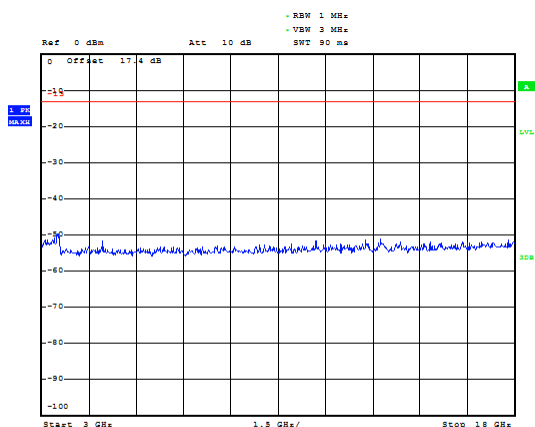
LTE Band 4 5MHz CH-High 1GHz~3GHz



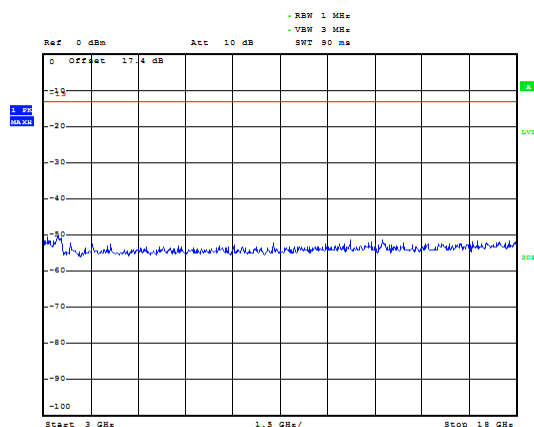
LTE Band 4 10MHz CH-Low 1GHz~3GHz



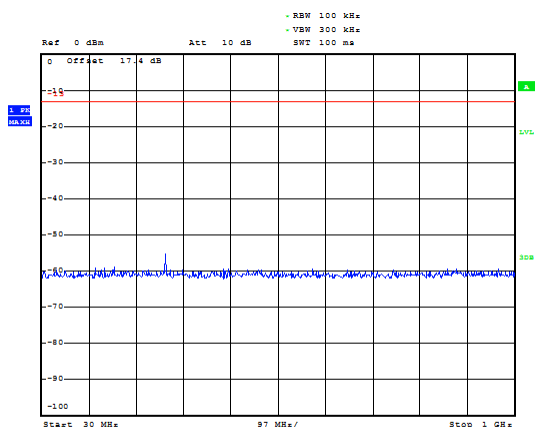
LTE Band 4 5MHz CH-High 3GHz~18GHz



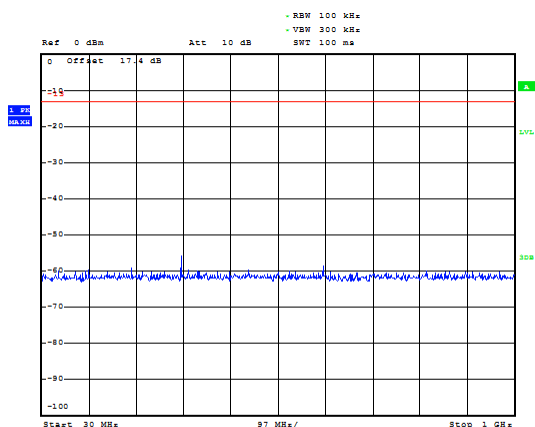
LTE Band 4 10MHz CH-Low 3GHz~18GHz



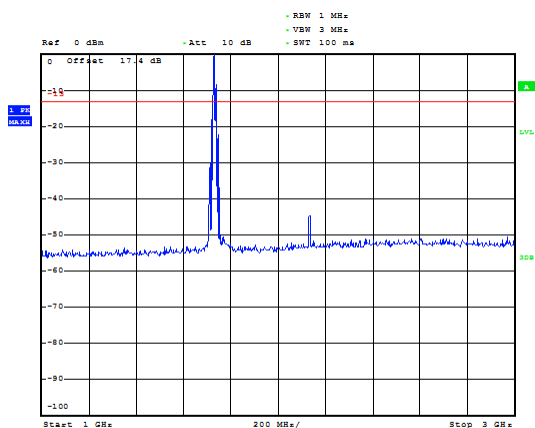
LTE Band 4 10MHz CH-Middle 30MHz~1GHz



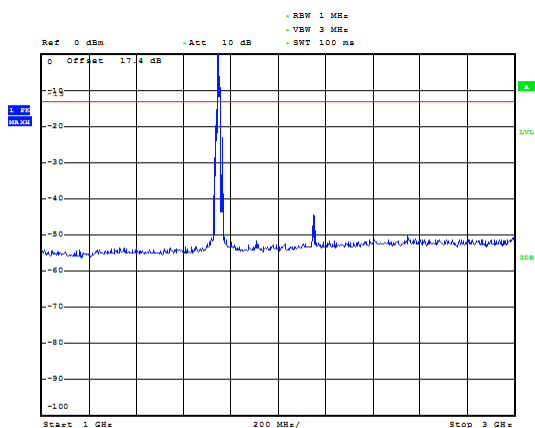
LTE Band 4 10MHz CH-High 30MHz~1GHz



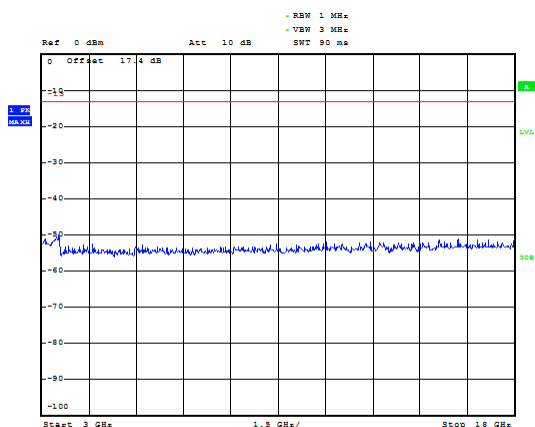
LTE Band 4 10MHz CH-Middle 1GHz~3GHz



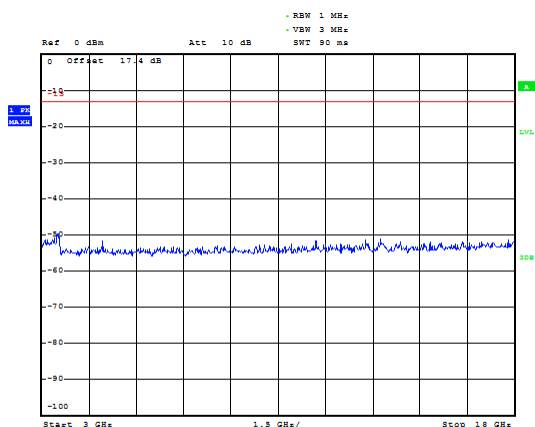
LTE Band 4 10MHz CH-High 1GHz~3GHz



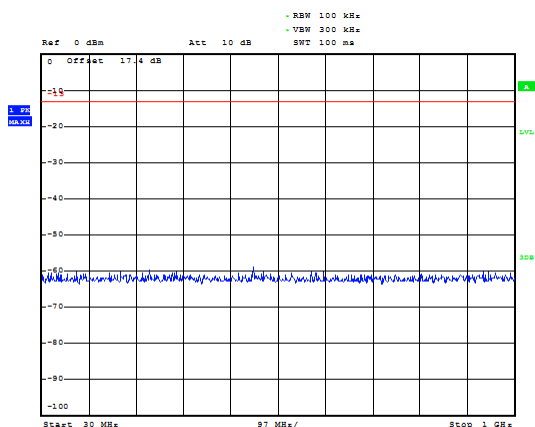
LTE Band 4 10MHz CH-Middle 3GHz~18GHz



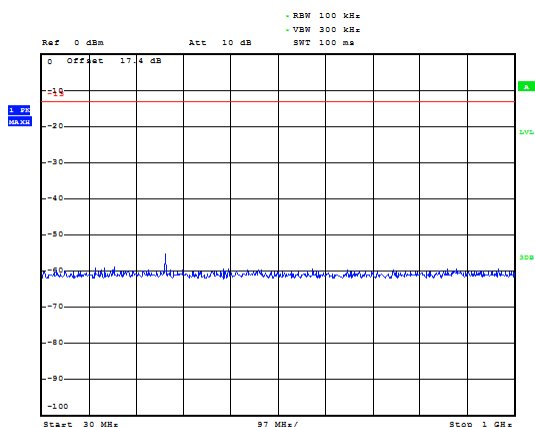
LTE Band 4 10MHz CH-High 3GHz~18GHz



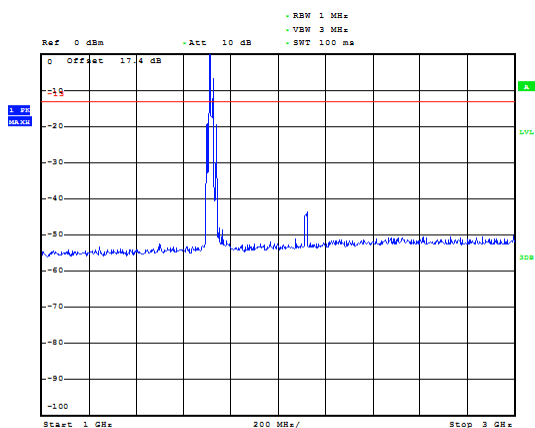
LTE Band 4 15MHz CH-Low 30MHz~1GHz



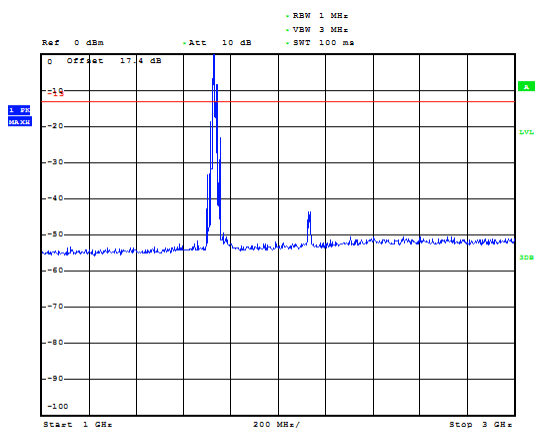
LTE Band 4 15MHz CH-Middle 30MHz~1GHz



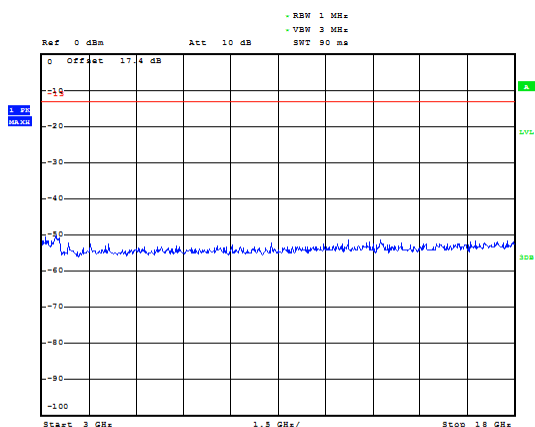
LTE Band 4 15MHz CH-Low 1GHz~3GHz



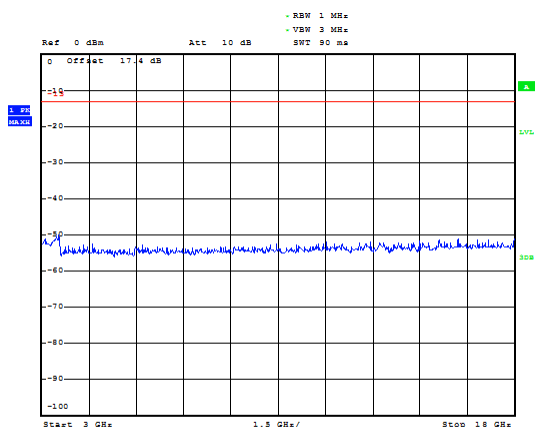
LTE Band 4 15MHz CH-Middle 1GHz~3GHz



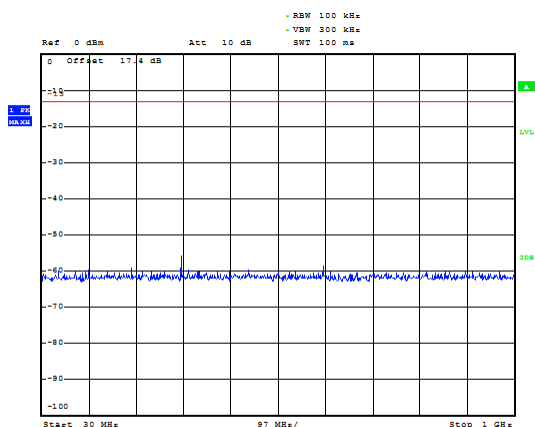
LTE Band 4 15MHz CH-Low 3GHz~18GHz



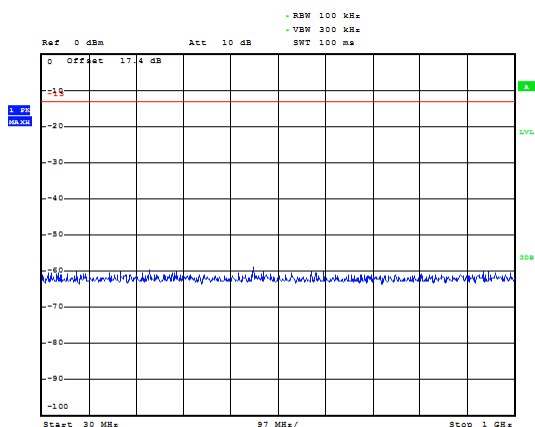
LTE Band 4 15MHz CH-Middle 3GHz~18GHz



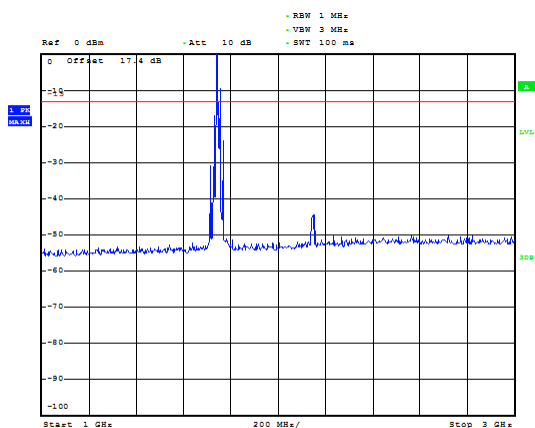
LTE Band 4 15MHz CH-High 30MHz~1GHz



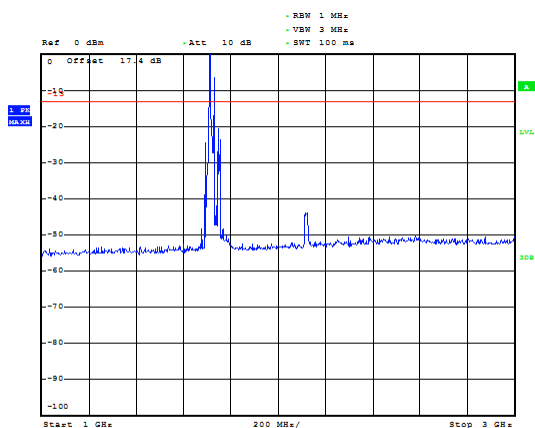
LTE Band 4 20MHz CH-Low 30MHz~1GHz



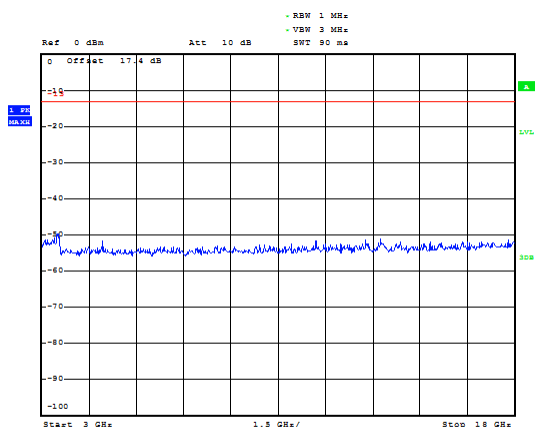
LTE Band 4 15MHz CH-High 1GHz~3GHz



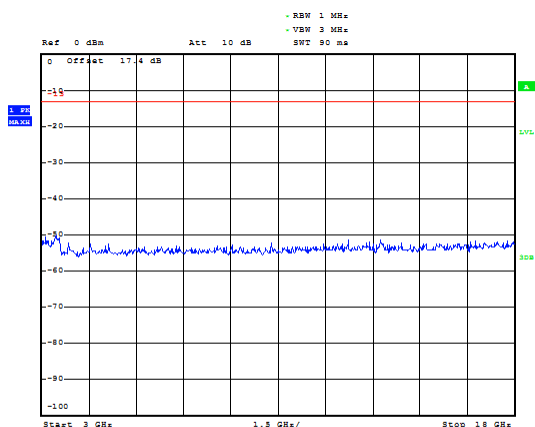
LTE Band 4 20MHz CH-Low 1GHz~3GHz



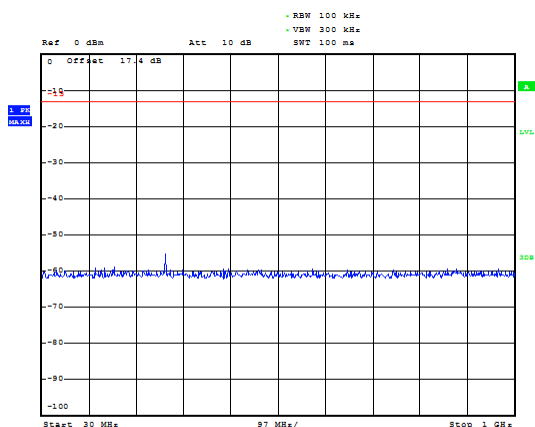
LTE Band 4 15MHz CH-High 3GHz~18GHz



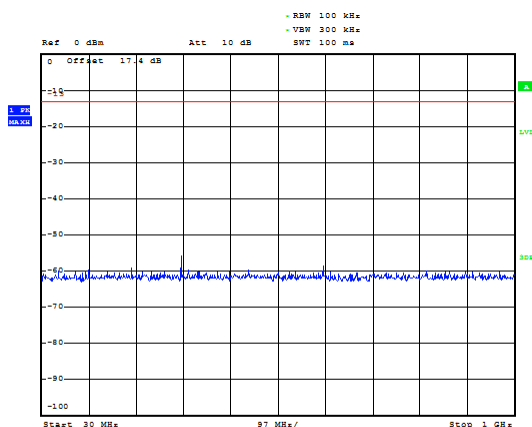
LTE Band 4 20MHz CH-Low 3GHz~18GHz



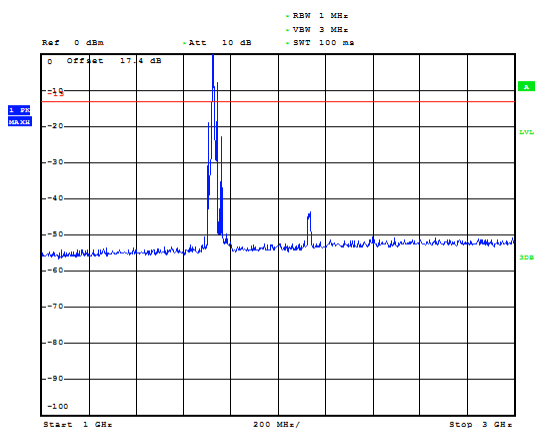
LTE Band 4 20MHz CH-Middle 30MHz~1GHz



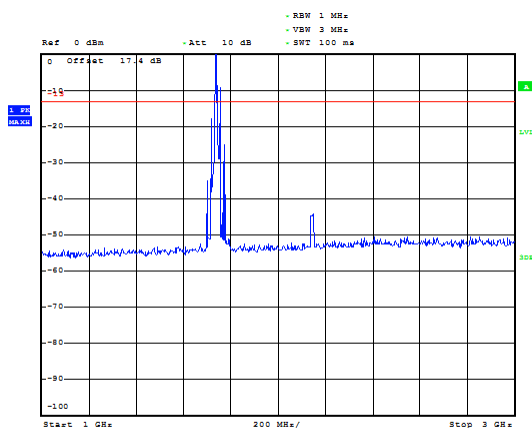
LTE Band 4 20MHz CH-High 30MHz~1GHz



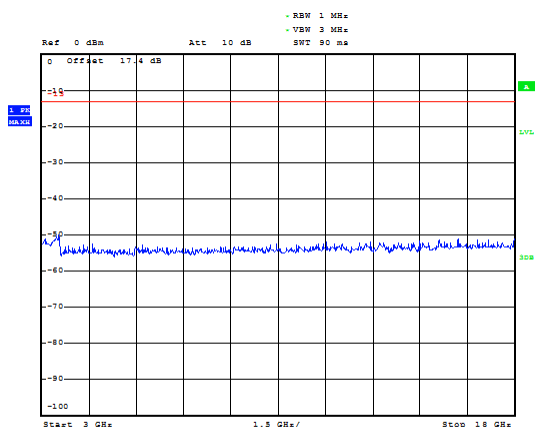
LTE Band 4 20MHz CH-Middle 1GHz~3GHz



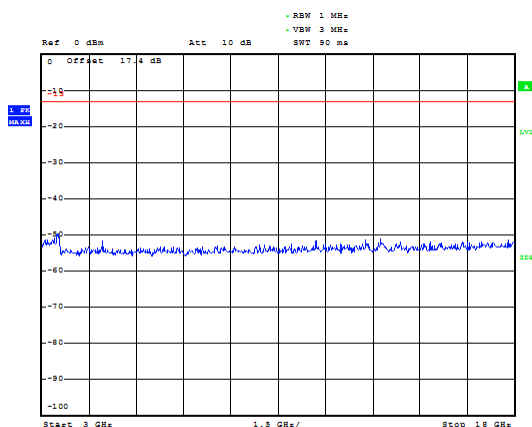
LTE Band 4 20MHz CH-High 1GHz~3GHz



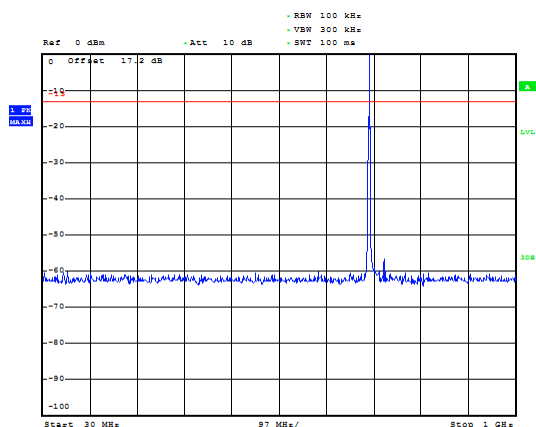
LTE Band 4 20MHz CH-Middle 3GHz~18GHz



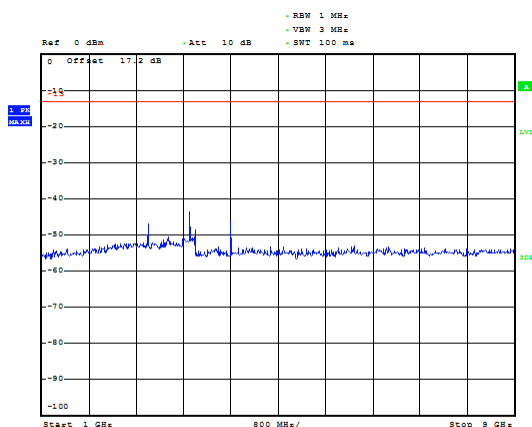
LTE Band 4 20MHz CH-High 3GHz~18GHz



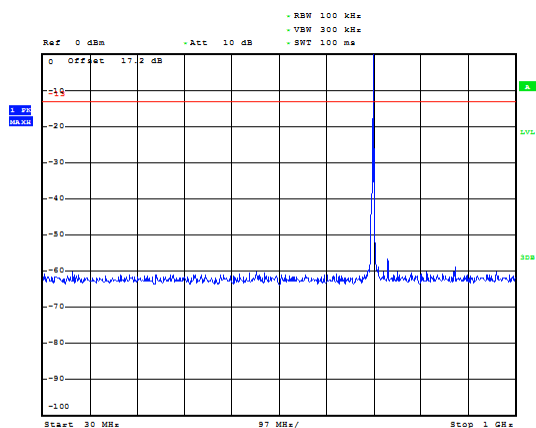
LTE Band 12 1.4MHz CH-Low 30MHz~1GHz



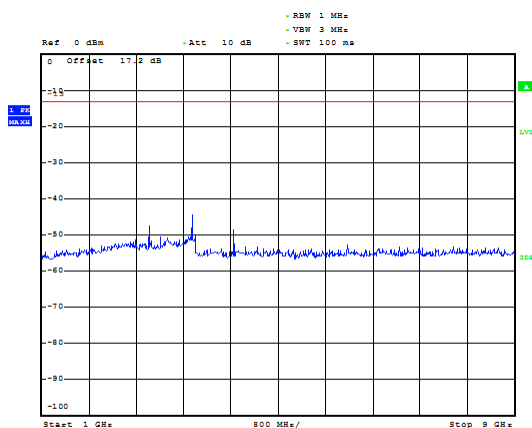
LTE Band 12 1.4MHz CH-Low 1GHz~9GHz



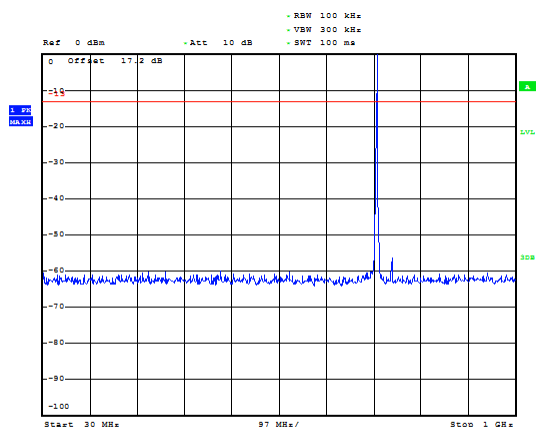
LTE Band 12 1.4MHz CH- Middle 30MHz~1GHz



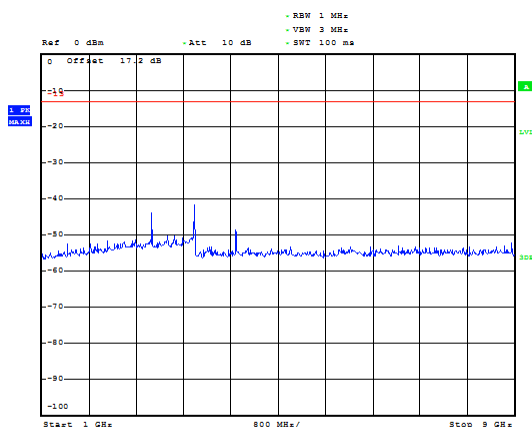
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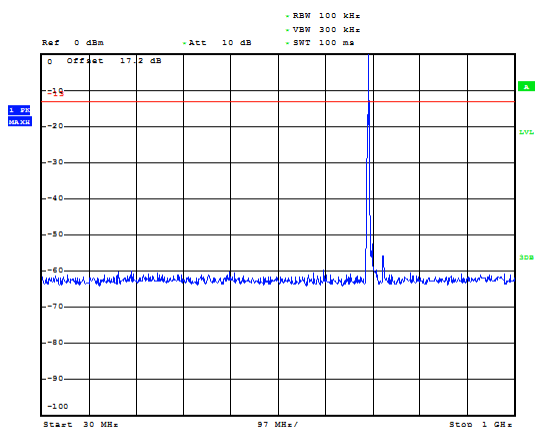
LTE Band 12 1.4MHz CH-High 30MHz~1GHz



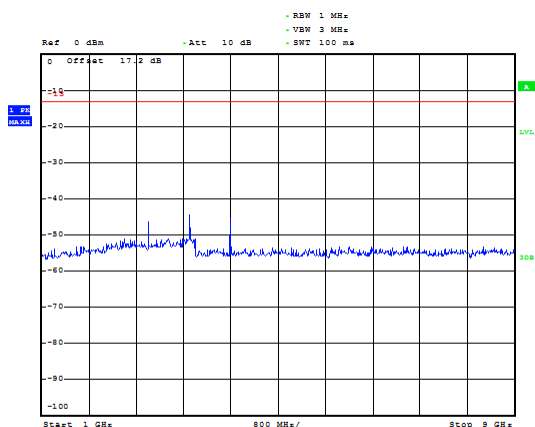
LTE Band 12 1.4MHz CH-High 1GHz~9GHz



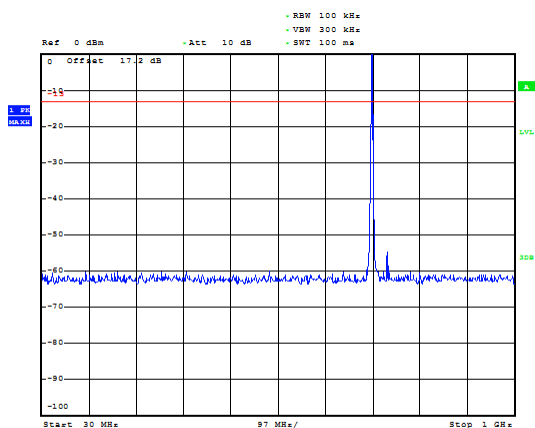
LTE Band 12 3MHz CH-Low 30MHz~1GHz



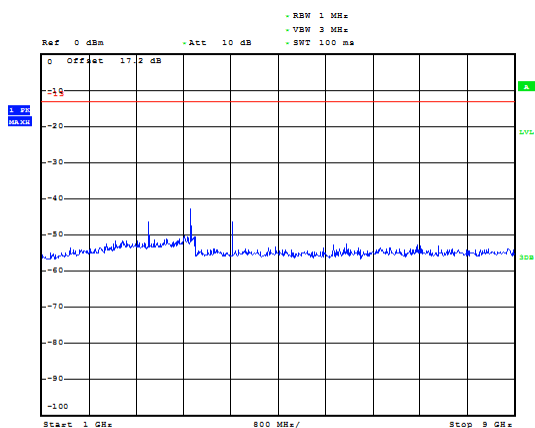
LTE Band 12 3MHz CH-Low 1GHz~9GHz



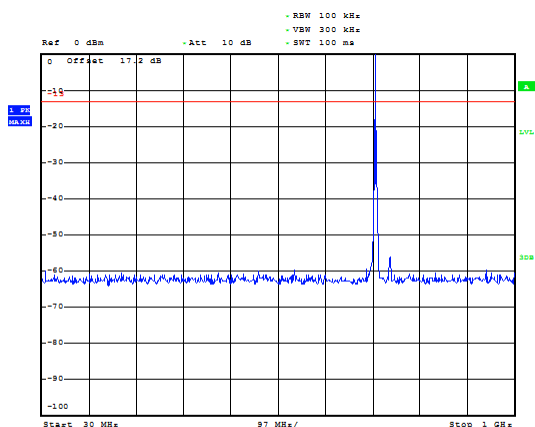
LTE Band 12 3MHz CH- Middle 30MHz~1GHz



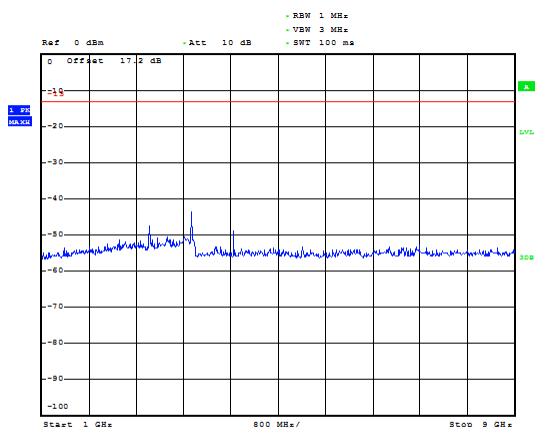
LTE Band 12 3MHz CH- Middle 1GHz~9GHz



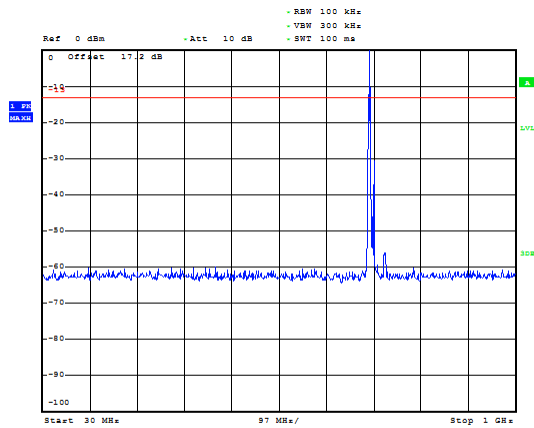
LTE Band 12 3MHz CH-High 30MHz~1GHz



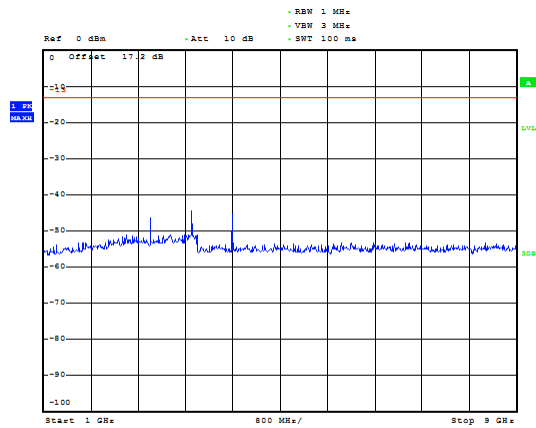
LTE Band 12 3MHz CH-High 1GHz~9GHz



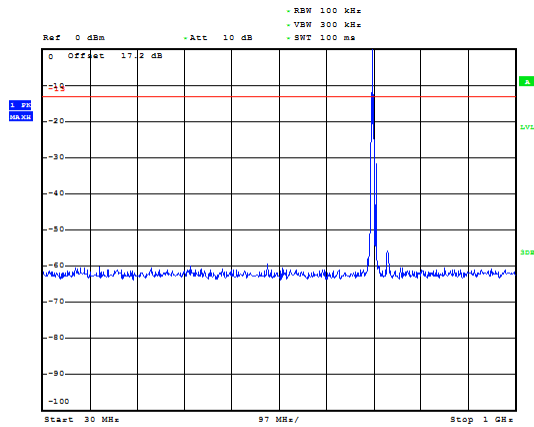
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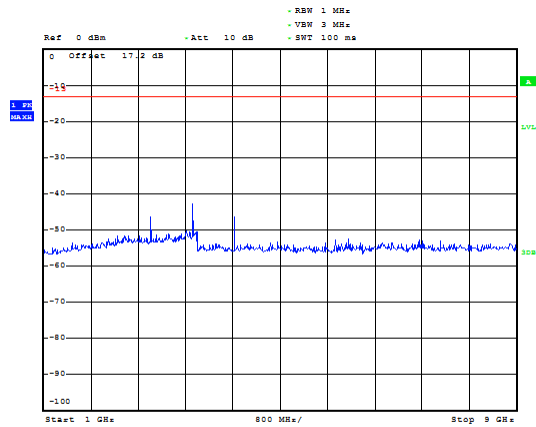
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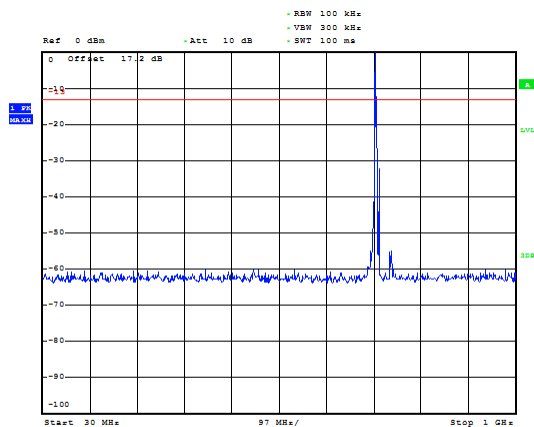
LTE Band 12 5MHz CH- Middle 30MHz~1GHz



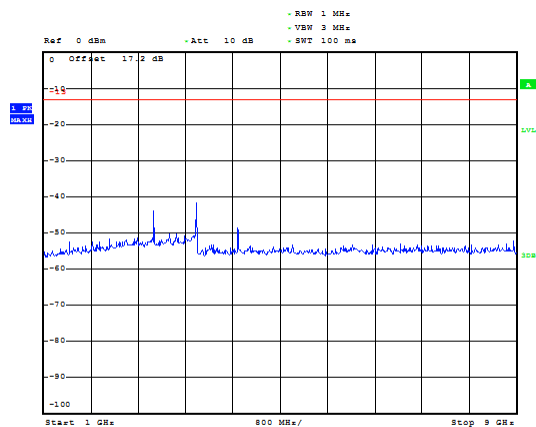
LTE Band 12 5MHz CH- Middle 1GHz~9GHz



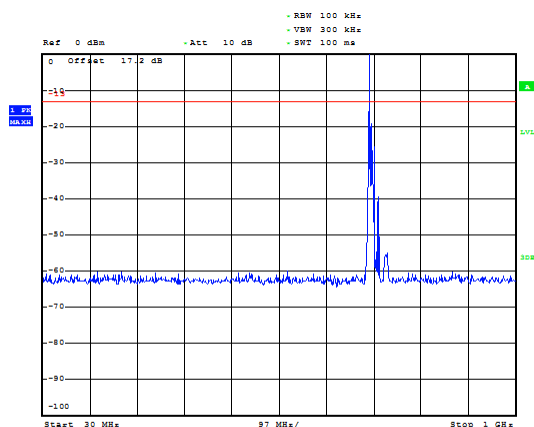
LTE Band 12 5MHz CH-High 30MHz~1GHz



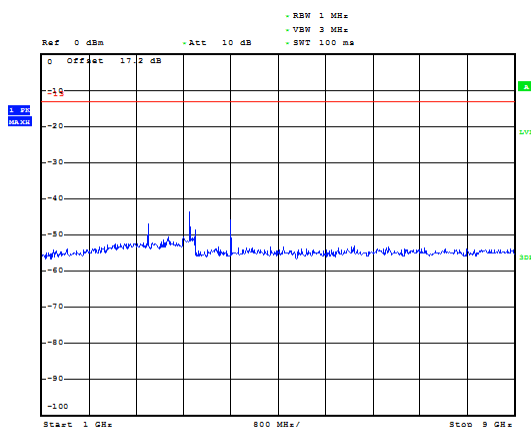
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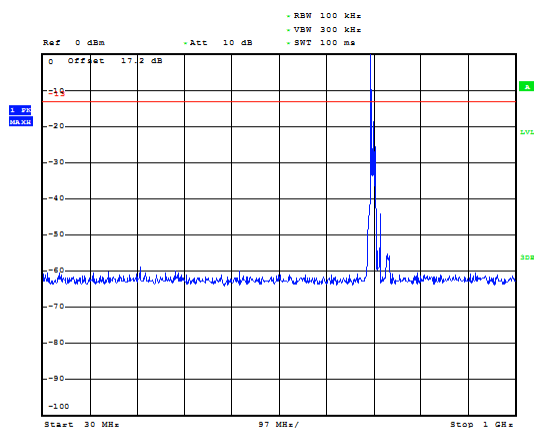
LTE Band 12 10MHz CH-Low 30MHz~1GHz



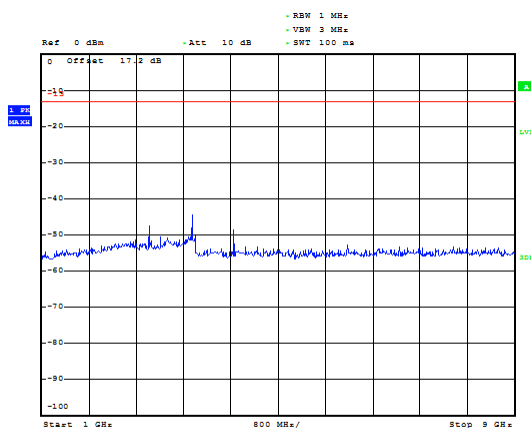
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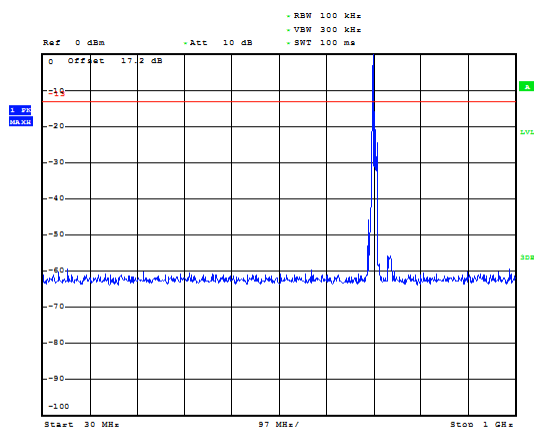
LTE Band 12 10MHz CH- Middle 30MHz~1GHz



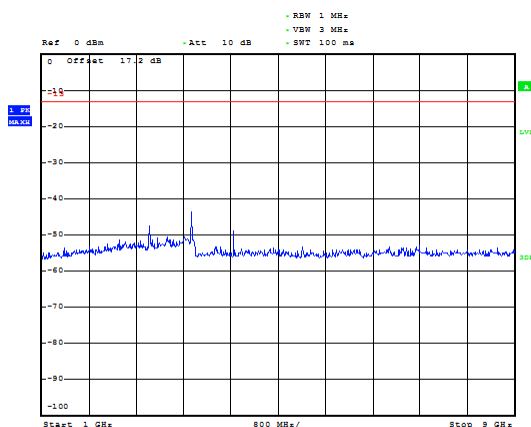
LTE Band 12 10MHz CH- Middle 1GHz~9GHz



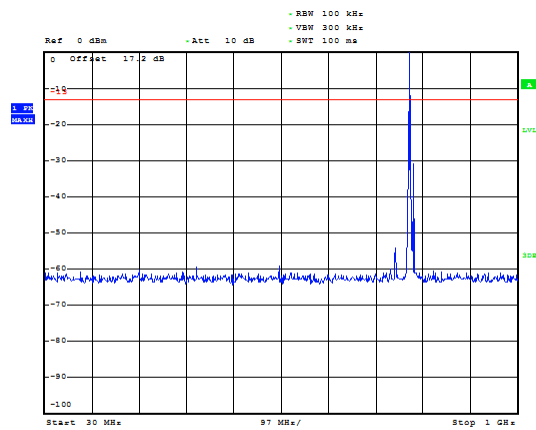
LTE Band 12 10MHz CH-High 30MHz~1GHz



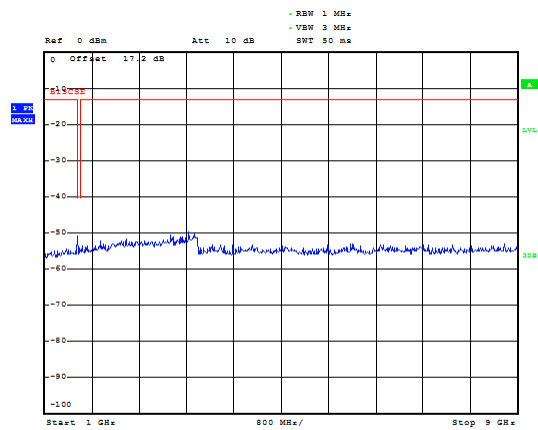
LTE Band 12 10MHz CH-High 1GHz~9GHz



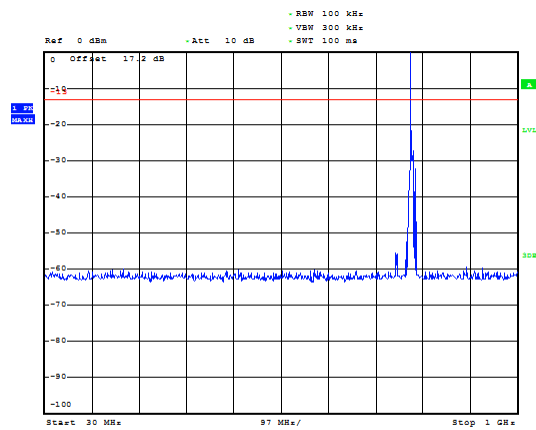
LTE Band 13 5MHz CH-Low 30MHz~1GHz



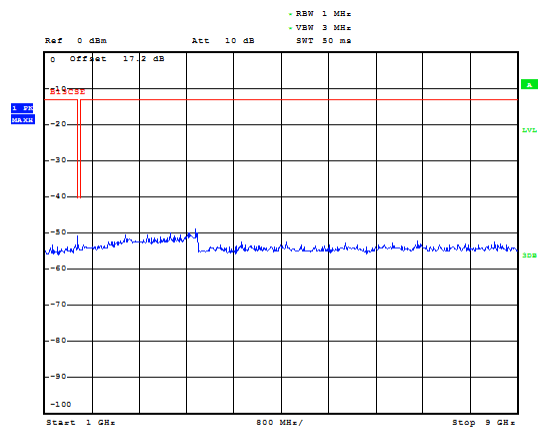
LTE Band 13 5MHz CH-Low 1GHz~9GHz



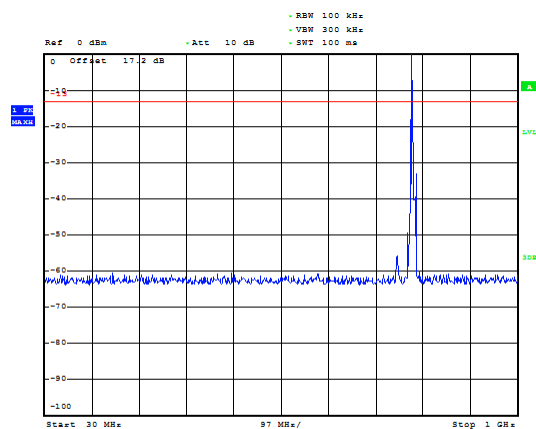
LTE Band 13 5MHz CH-Middle 30MHz~1GHz



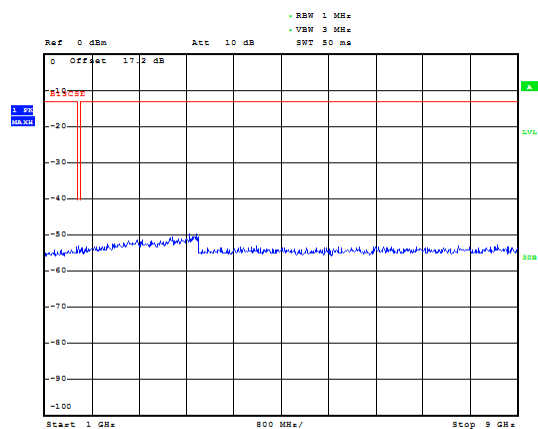
LTE Band 13 5MHz CH-Middle 1GHz~9GHz



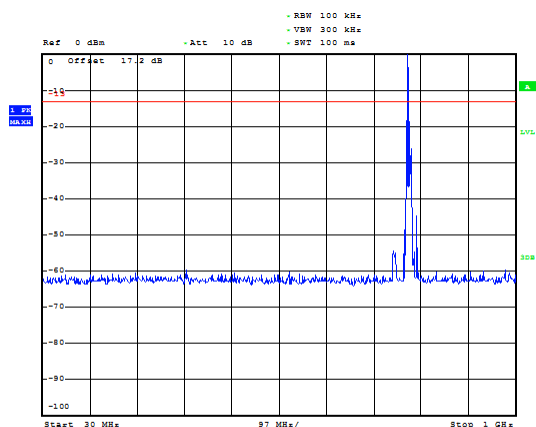
LTE Band 13 5MHz CH-High 30MHz~1GHz



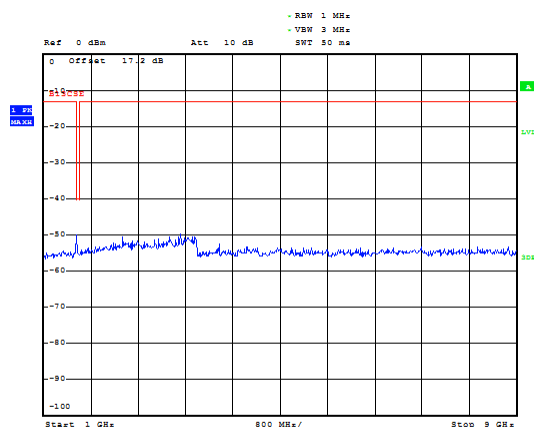
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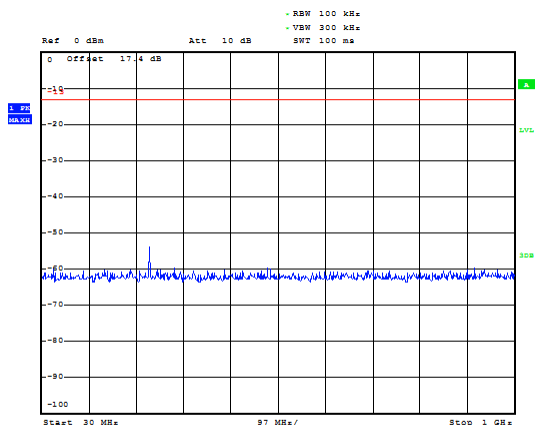
LTE Band 13 10MHz CH-Middle 30MHz~1GHz



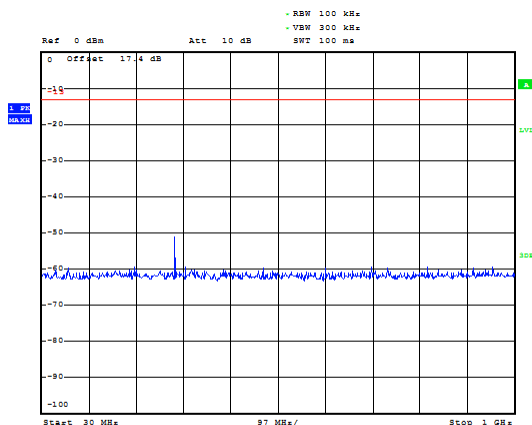
LTE Band 13 10MHz CH-Middle 1GHz~9GHz



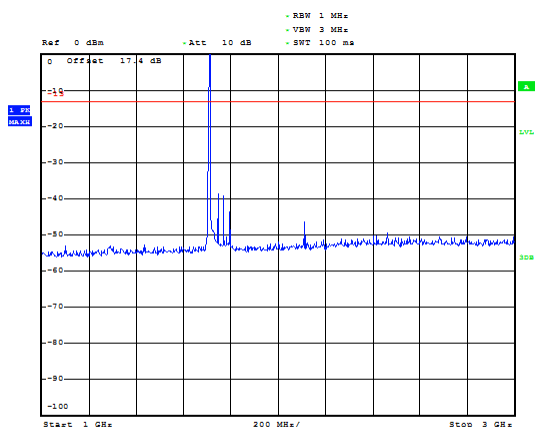
LTE Band 66 1.4MHz CH-Low 30MHz~1GHz



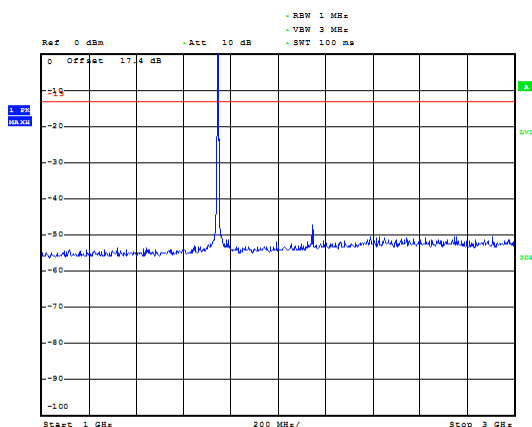
LTE Band 66 1.4MHz CH-Middle 30MHz~1GHz



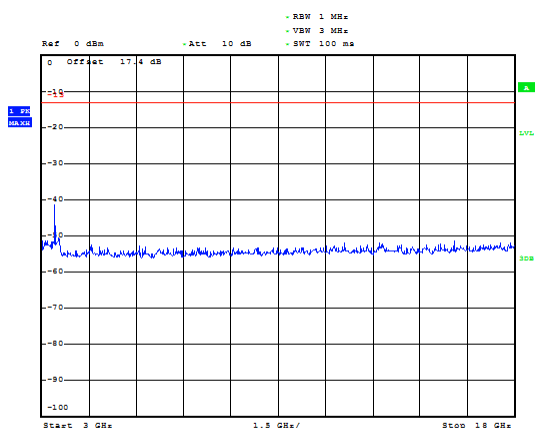
LTE Band 66 1.4MHz CH-Low 1GHz~3GHz



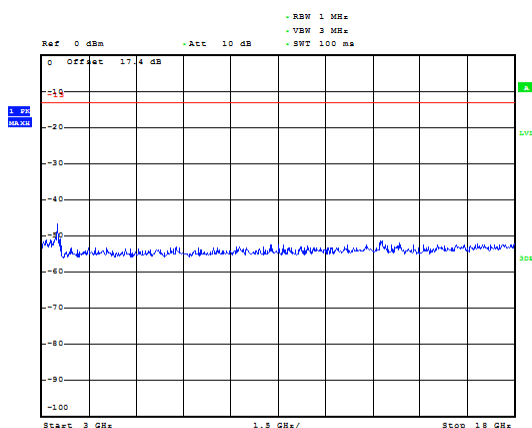
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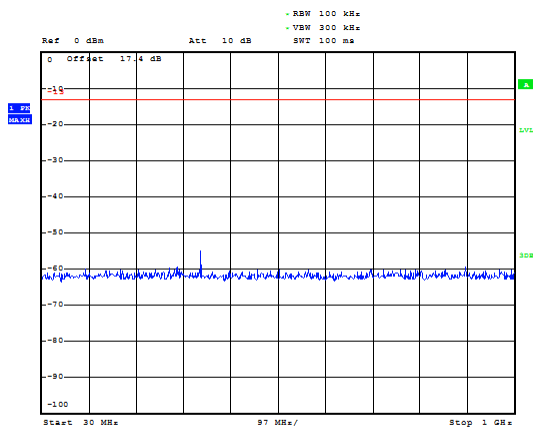
LTE Band 66 1.4MHz CH-Low 3GHz~18GHz



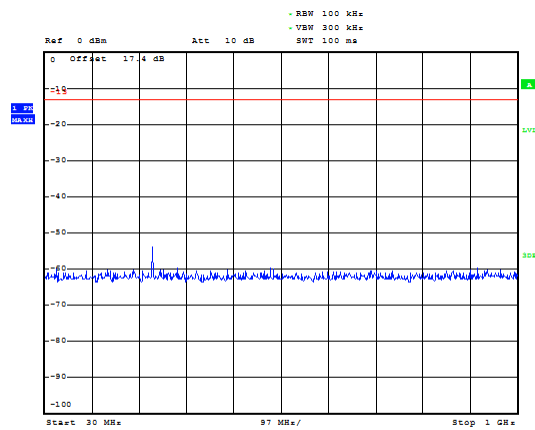
LTE Band 66 1.4MHz CH-Middle 3GHz~18GHz



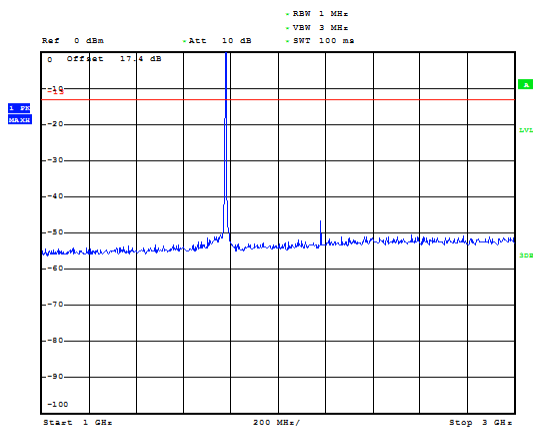
LTE Band 66 1.4MHz CH-High 30MHz~1GHz



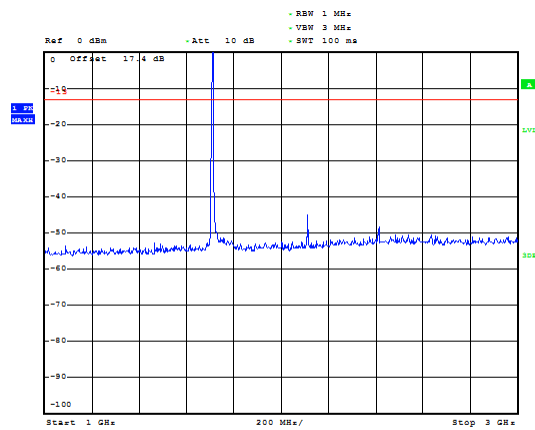
LTE Band 66 3MHz CH-Low 30MHz~1GHz



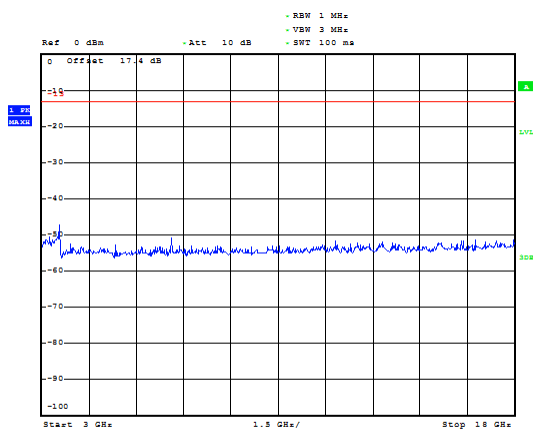
LTE Band 66 1.4MHz CH-High 1GHz~3GHz



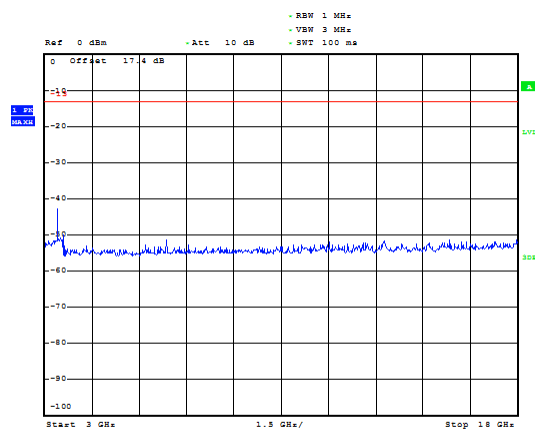
LTE Band 66 3MHz CH-Low 1GHz~3GHz



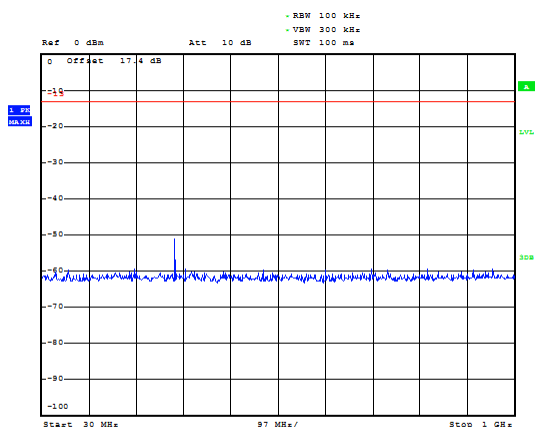
LTE Band 66 1.4MHz CH-High 3GHz~18GHz



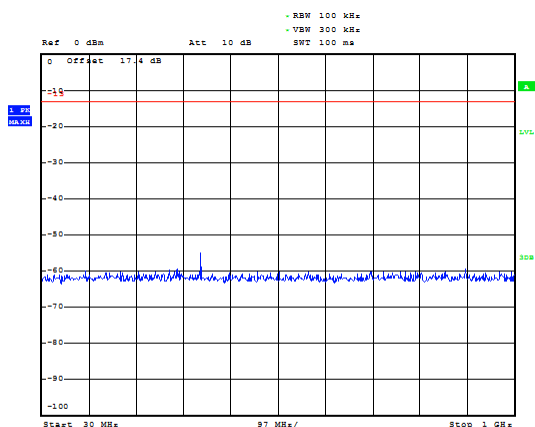
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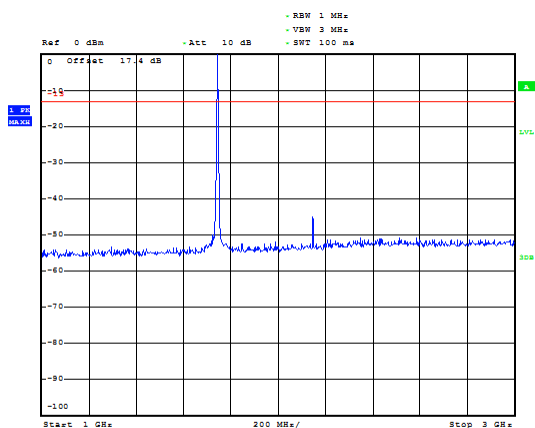
LTE Band 66 3MHz CH-Middle 30MHz~1GHz



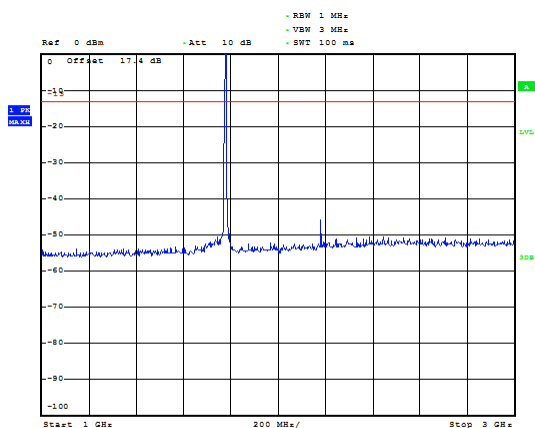
LTE Band 66 3MHz CH-High 30MHz~1GHz



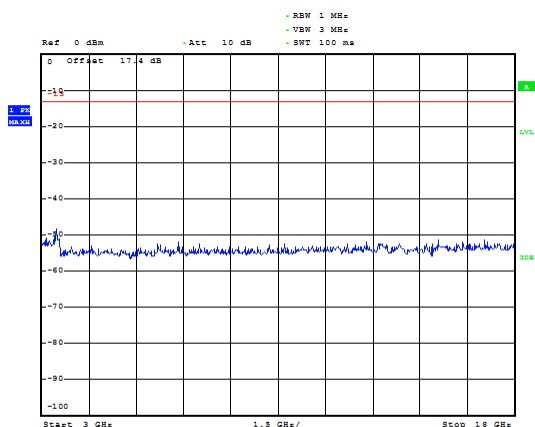
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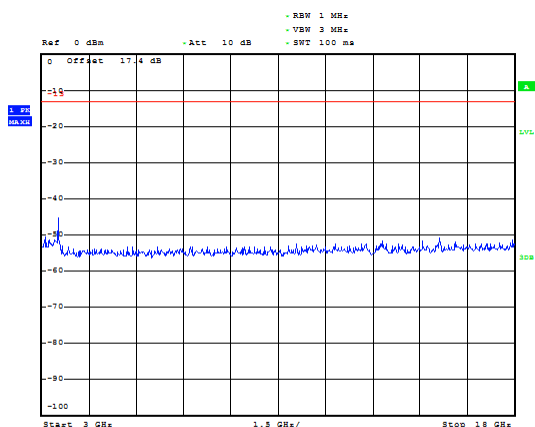
LTE Band 66 3MHz CH-High 1GHz~3GHz



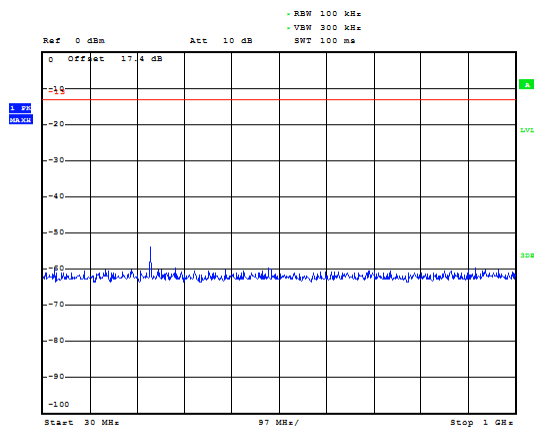
LTE Band 66 3MHz CH-Middle 3GHz~18GHz



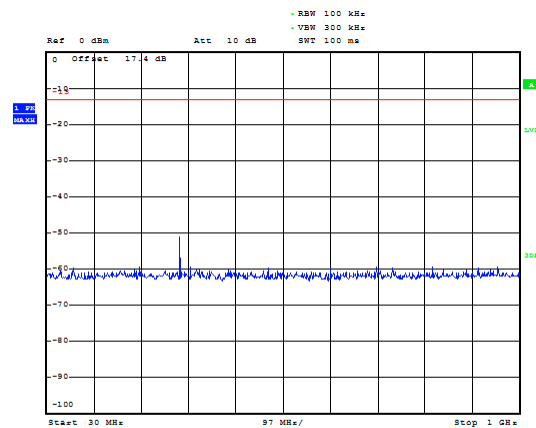
LTE Band 66 3MHz CH-High 3GHz~18GHz



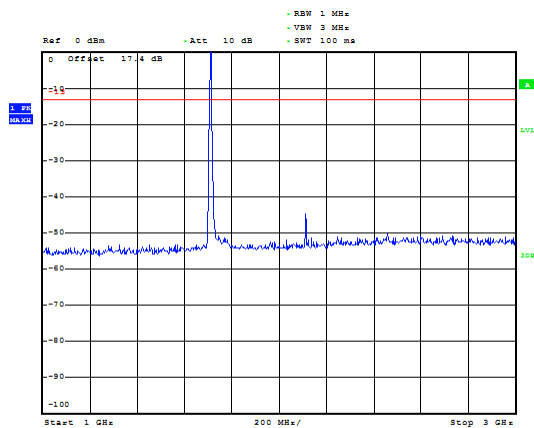
LTE Band 66 5MHz CH-Low 30MHz~1GHz



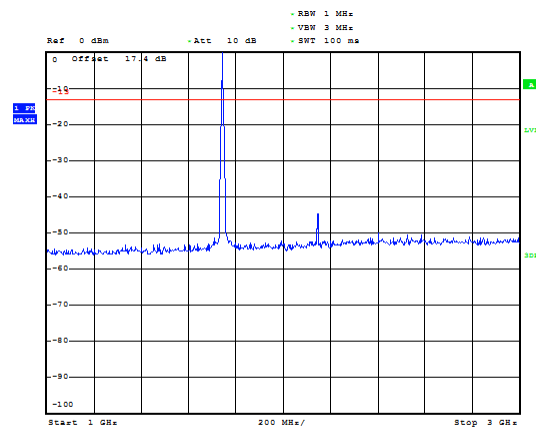
LTE Band 66 5MHz CH-Middle 30MHz~1GHz



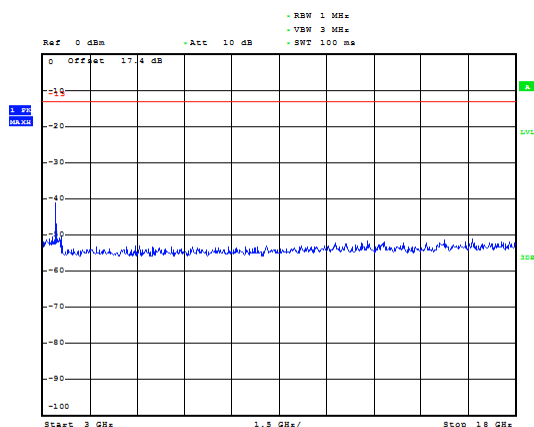
LTE Band 66 5MHz CH-Low 1GHz~3GHz



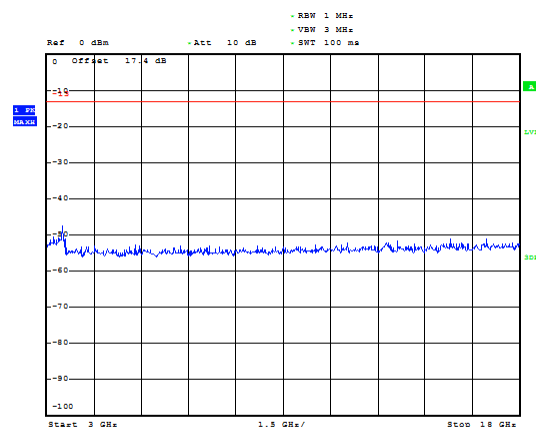
LTE Band 66 5MHz CH-Middle 1GHz~3GHz



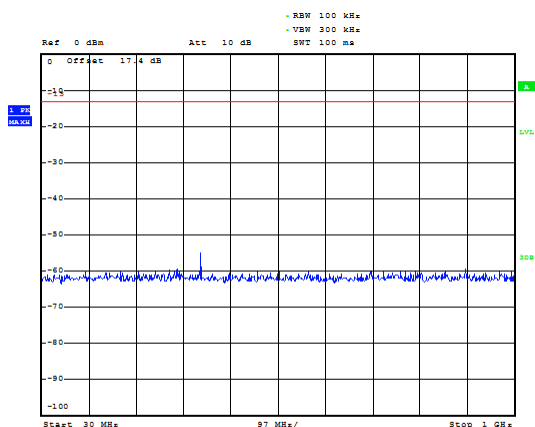
LTE Band 66 5MHz CH-Low 3GHz~18GHz



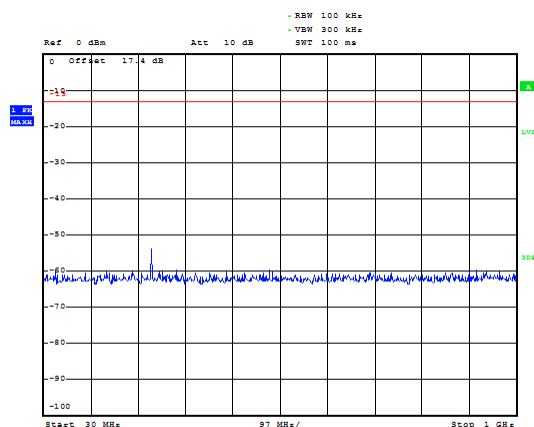
LTE Band 66 5MHz CH-Middle 3GHz~18GHz



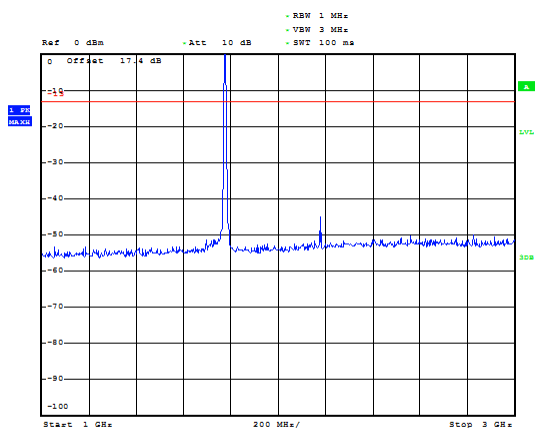
LTE Band 66 5MHz CH-High 30MHz~1GHz



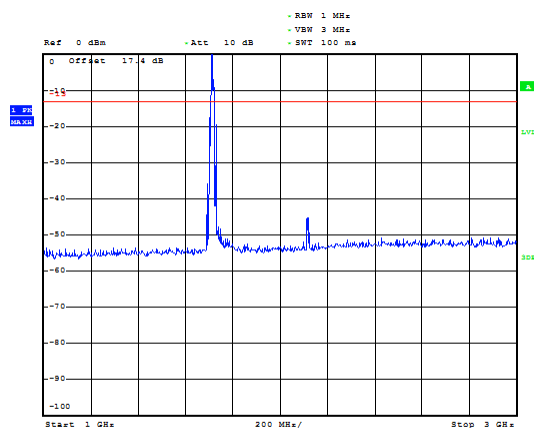
LTE Band 66 10MHz CH-Low 30MHz~1GHz



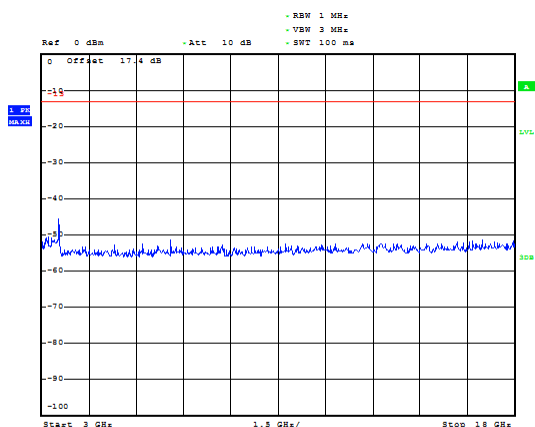
LTE Band 66 5MHz CH-High 1GHz~3GHz



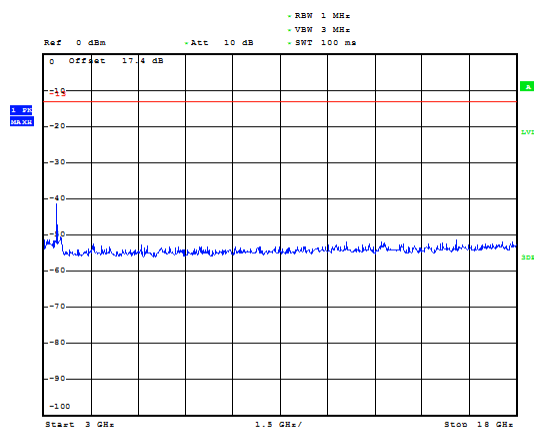
LTE Band 66 10MHz CH-Low 1GHz~3GHz



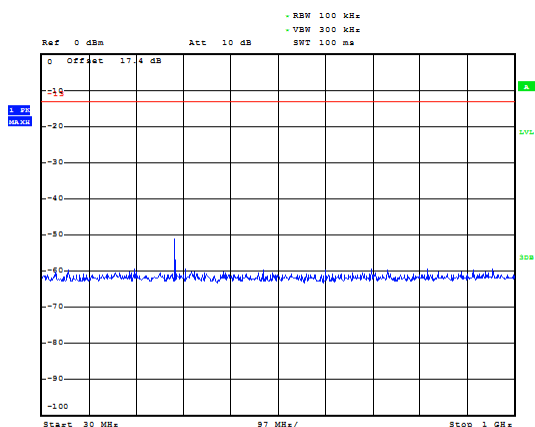
LTE Band 66 5MHz CH-High 3GHz~18GHz



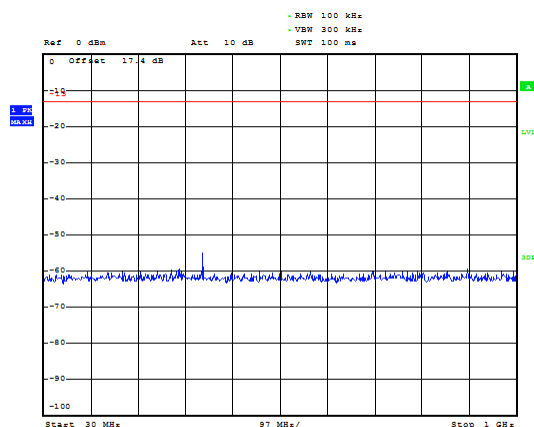
LTE Band 66 10MHz CH-Low 3GHz~18GHz



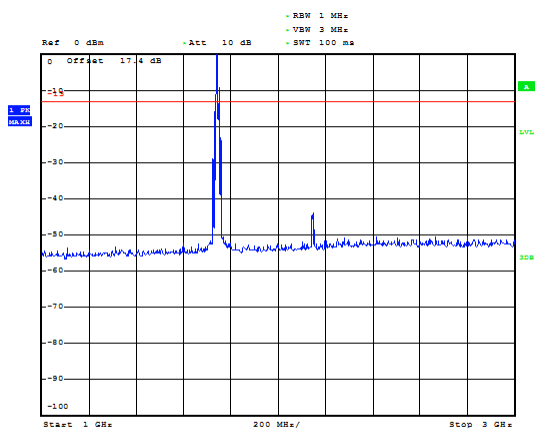
LTE Band 66 10MHz CH-Middle 30MHz~1GHz



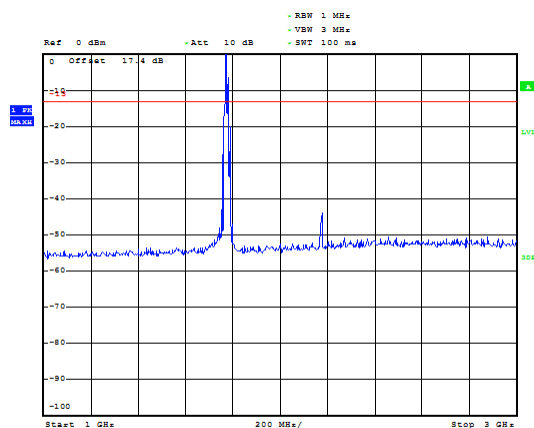
LTE Band 66 10MHz CH-High 30MHz~1GHz



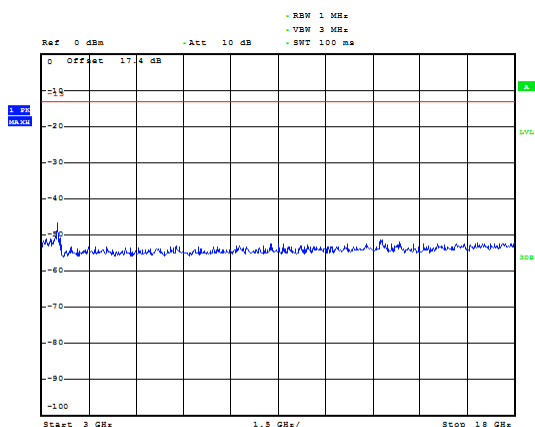
LTE Band 66 10MHz CH-Middle 1GHz~3GHz



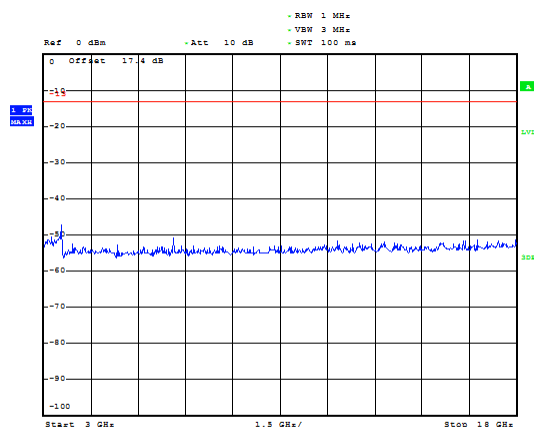
LTE Band 66 10MHz CH-High 1GHz~3GHz



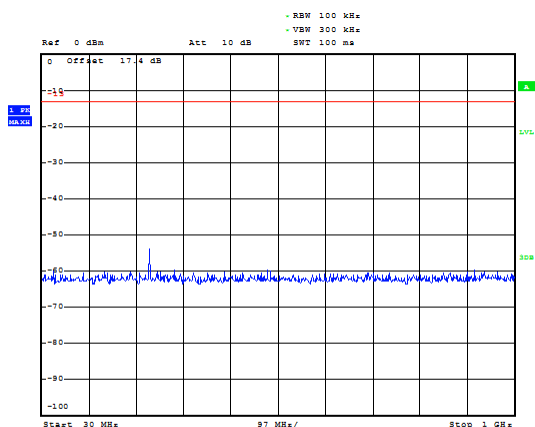
LTE Band 66 10MHz CH-Middle 3GHz~18GHz



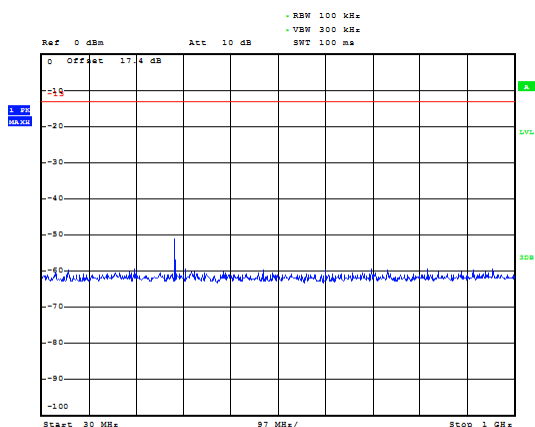
LTE Band 66 10MHz CH-High 3GHz~18GHz



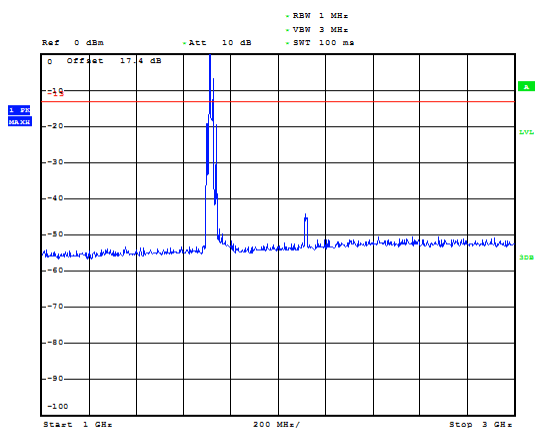
LTE Band 66 15MHz CH-Low 30MHz~1GHz



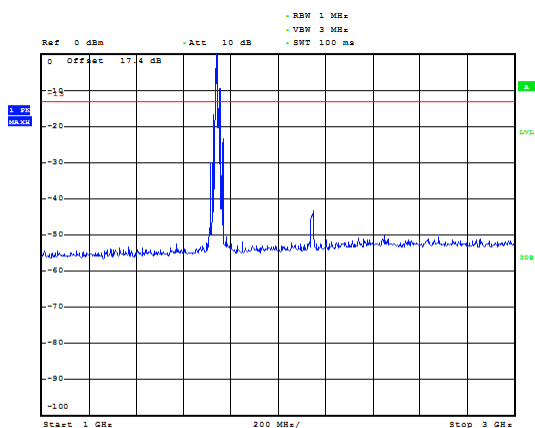
LTE Band 66 15MHz CH-Middle 30MHz~1GHz



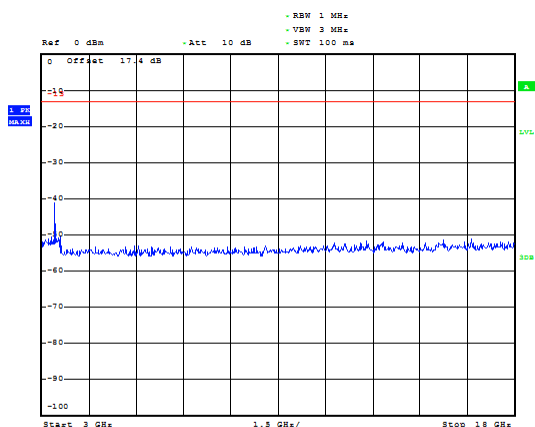
LTE Band 66 15MHz CH-Low 1GHz~3GHz



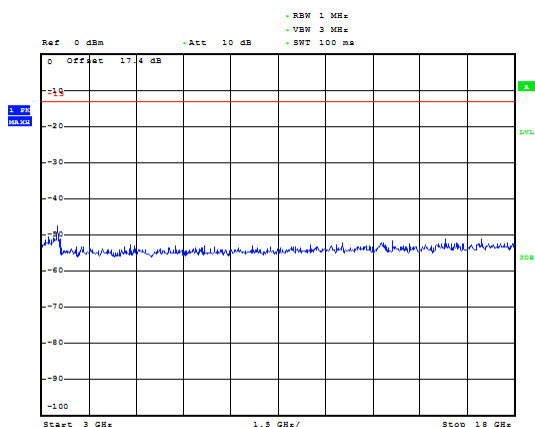
LTE Band 66 15MHz CH-Middle 1GHz~3GHz



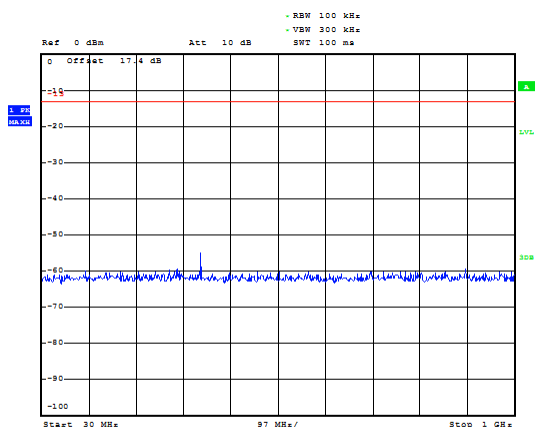
LTE Band 66 15MHz CH-Low 3GHz~18GHz



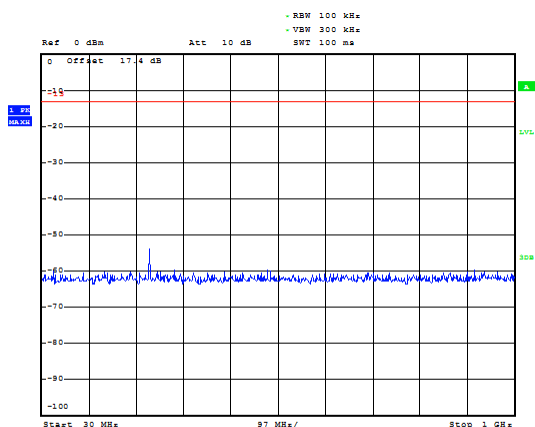
LTE Band 66 15MHz CH-Middle 3GHz~18GHz



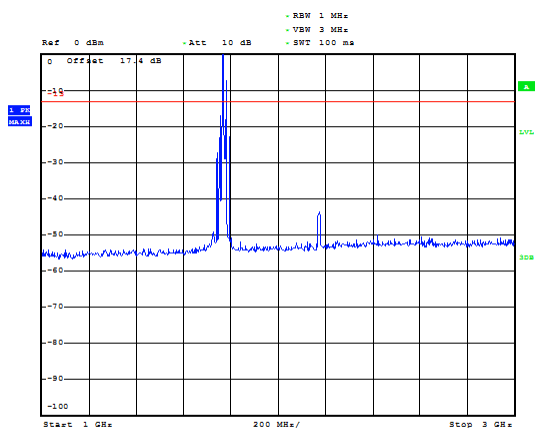
LTE Band 66 15MHz CH-High 30MHz~1GHz



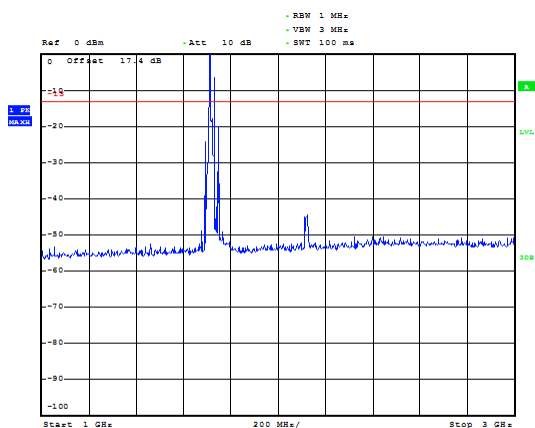
LTE Band 66 20MHz CH-Low 30MHz~1GHz



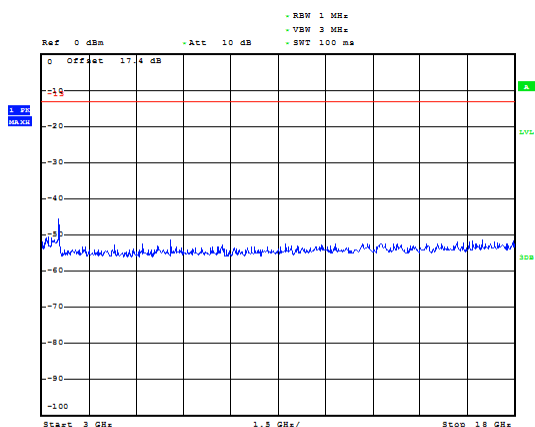
LTE Band 66 15MHz CH-High 1GHz~3GHz



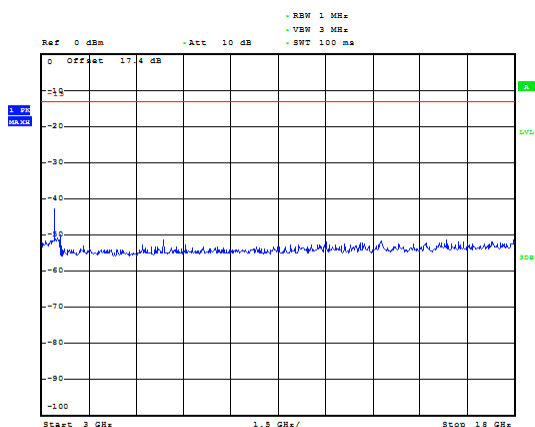
LTE Band 66 20MHz CH-Low 1GHz~3GHz



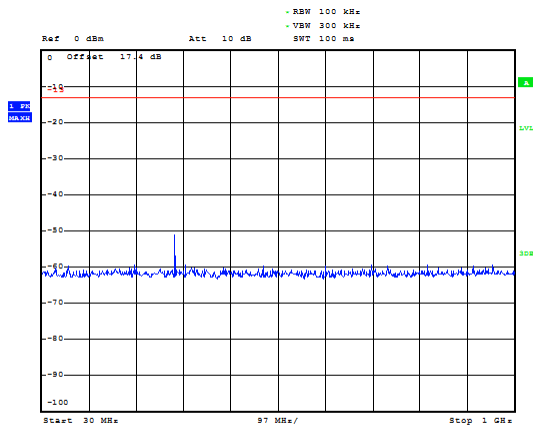
LTE Band 66 15MHz CH-High 3GHz~18GHz



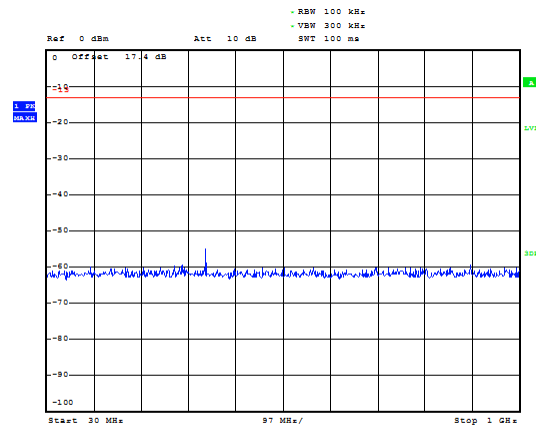
LTE Band 66 20MHz CH-Low 3GHz~18GHz



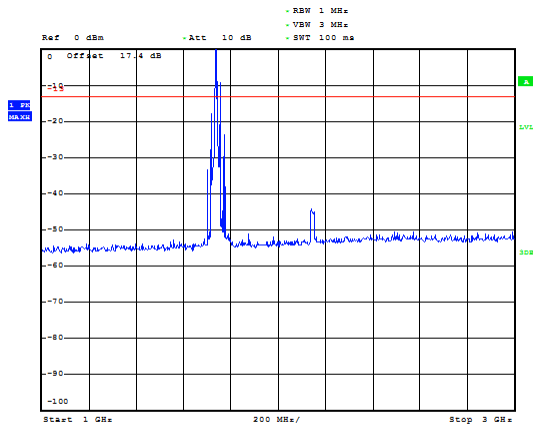
LTE Band 66 20MHz CH-Middle 30MHz~1GHz



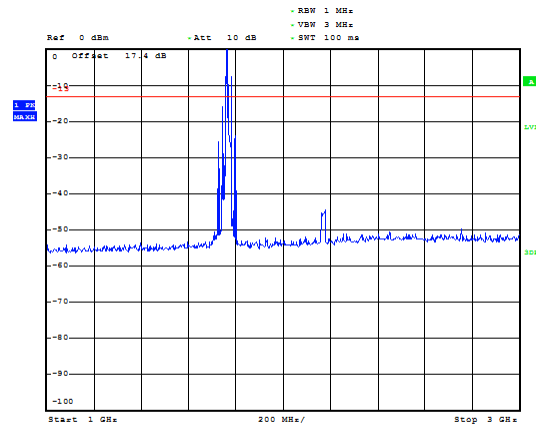
LTE Band 66 20MHz CH-High 30MHz~1GHz



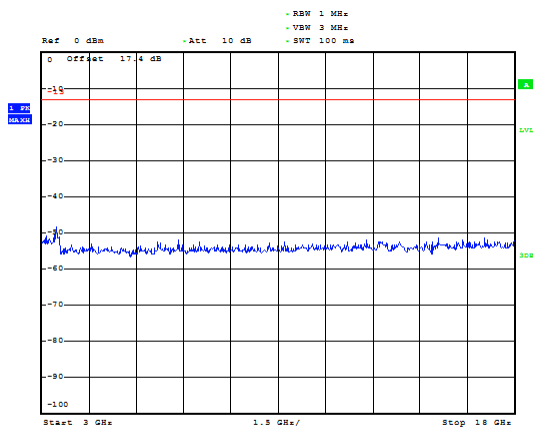
LTE Band 66 20MHz CH-Middle 1GHz~3GHz



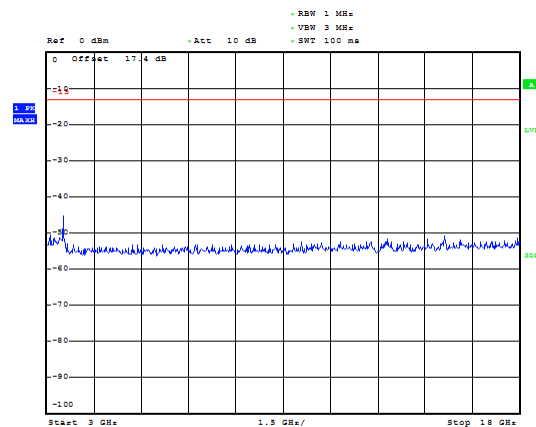
LTE Band 66 20MHz CH-High 1GHz~3GHz



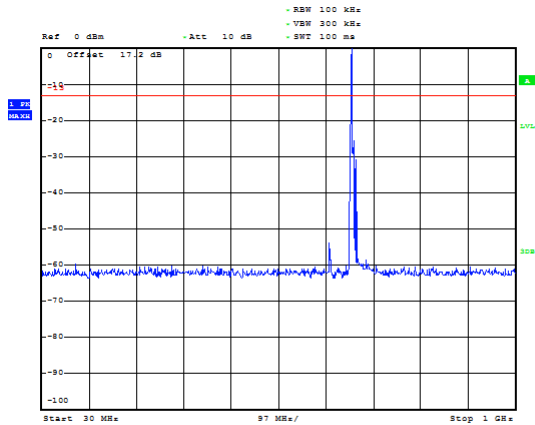
LTE Band 66 20MHz CH-Middle 3GHz~18GHz



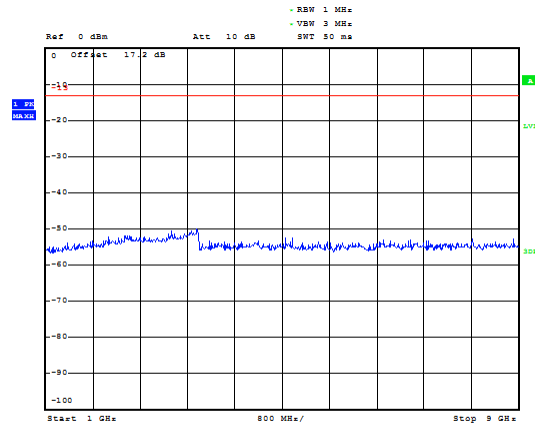
LTE Band 66 20MHz CH-High 3GHz~18GHz



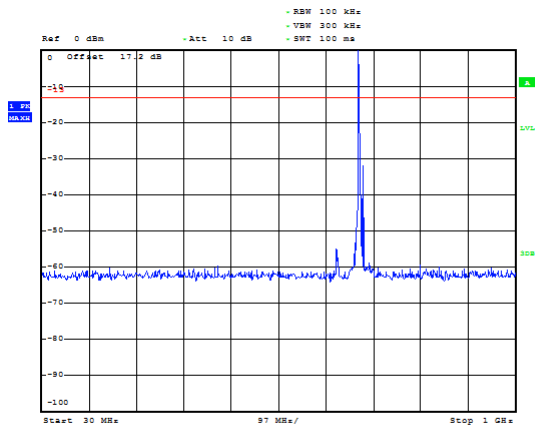
LTE Band 71 5MHz CH-Low 30MHz~1GHz



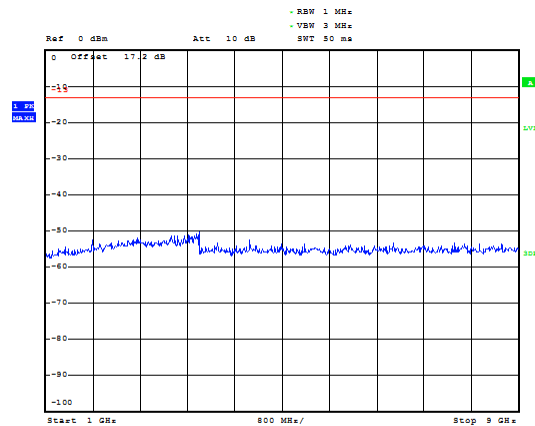
LTE Band 71 5MHz CH-Low 1GHz~9GHz



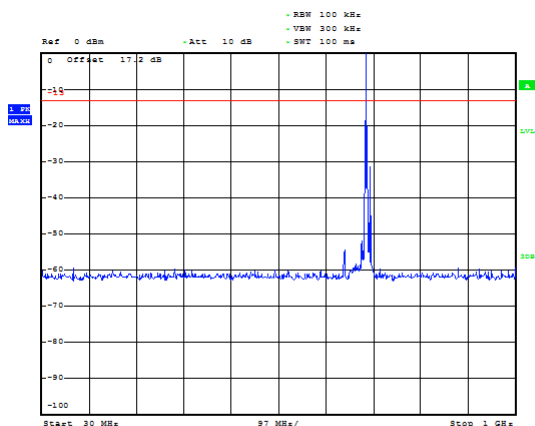
LTE Band 71 5MHz CH-Middle 30MHz~1GHz



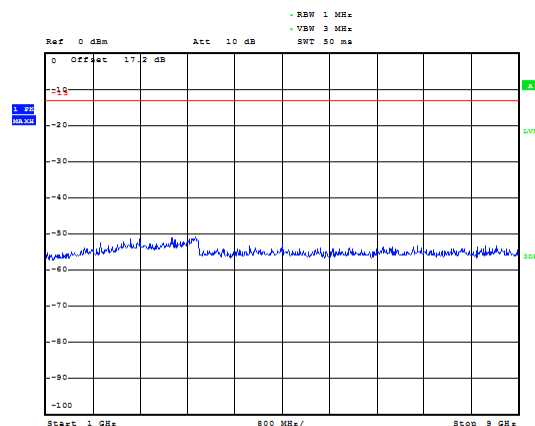
LTE Band 71 5MHz CH-Middle 1GHz~9GHz



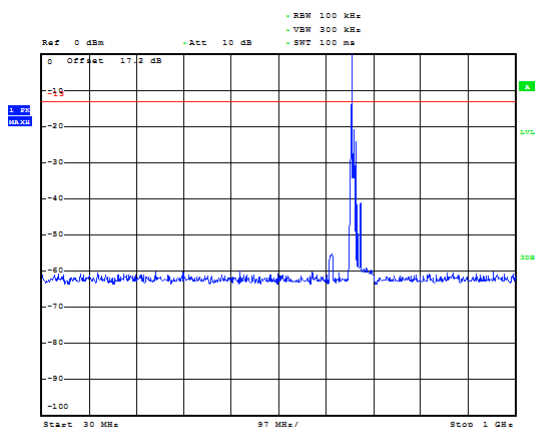
LTE Band 71 5MHz CH-High 30MHz~1GHz



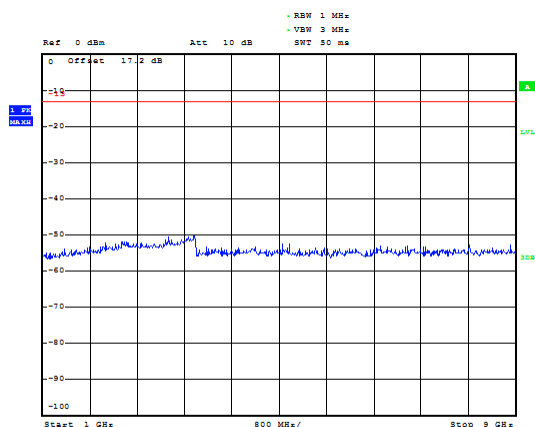
LTE Band 71 5MHz CH-High 1GHz~9GHz



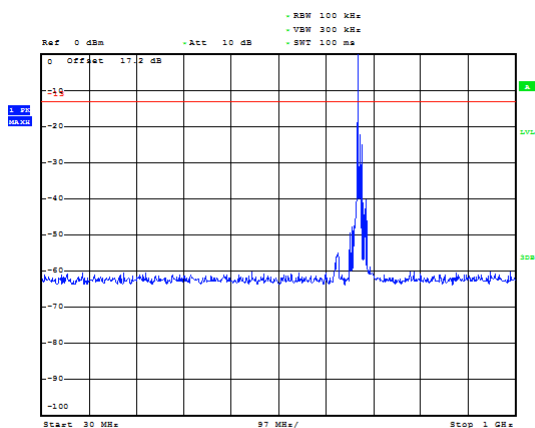
LTE Band 71 10MHz CH-Low 30MHz~1GHz



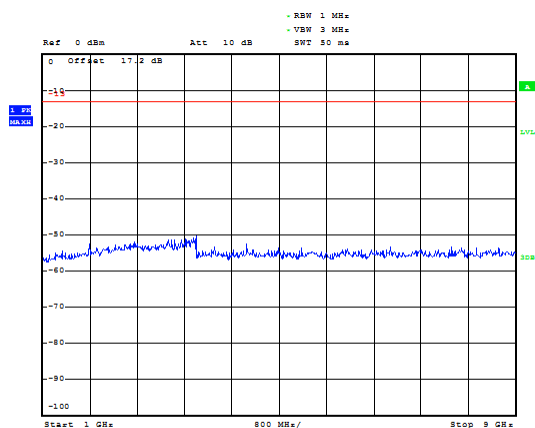
LTE Band 71 10MHz CH-Low 1GHz~9GHz



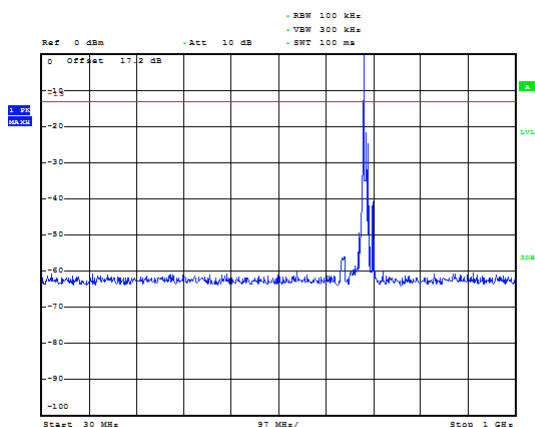
LTE Band 71 10MHz CH-Middle 30MHz~1GHz



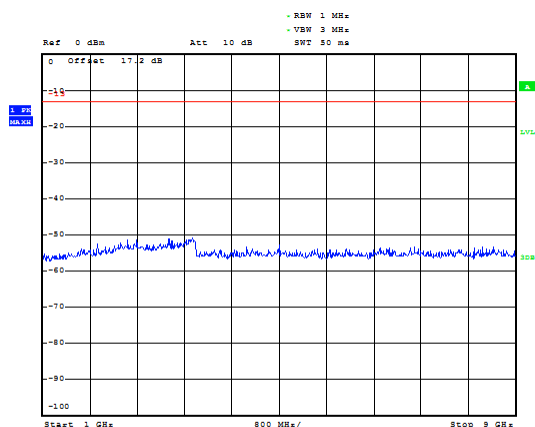
LTE Band 71 10MHz CH-Middle 1GHz~9GHz



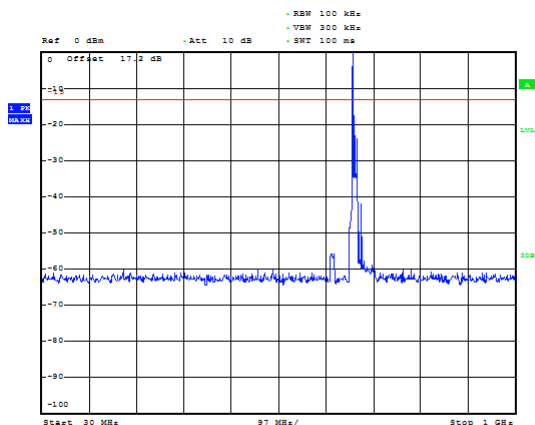
LTE Band 71 10MHz CH-High 30MHz~1GHz



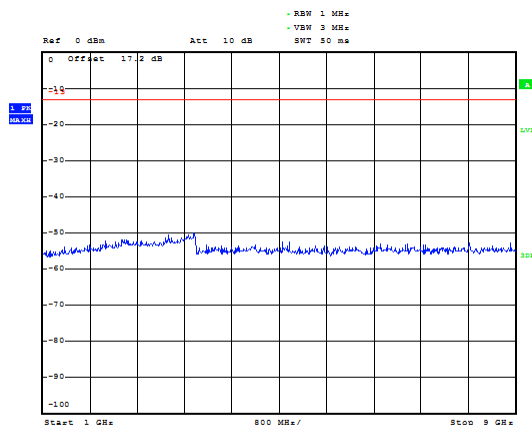
LTE Band 71 10MHz CH-High 1GHz~9GHz



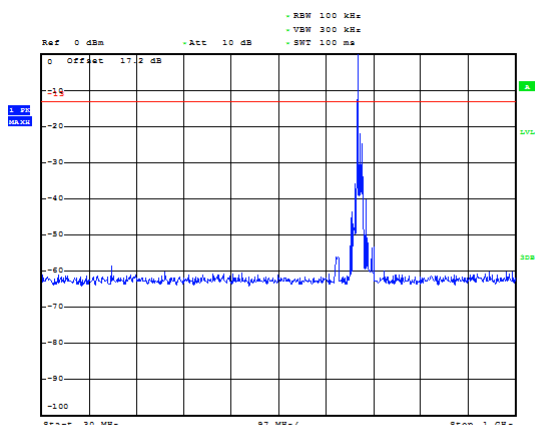
LTE Band 71 15MHz CH-Low 30MHz~1GHz



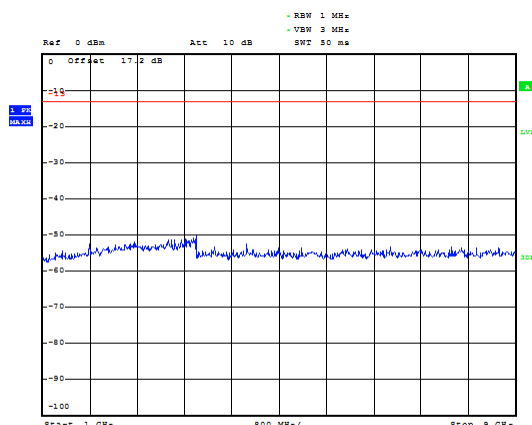
LTE Band 71 15MHz CH-Low 1GHz~9GHz



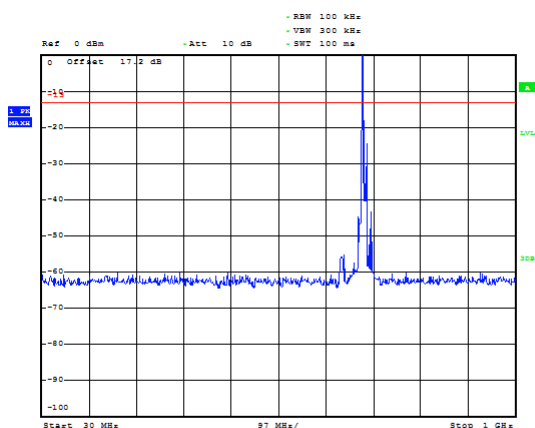
LTE Band 71 15MHz CH-Middle 30MHz~1GHz



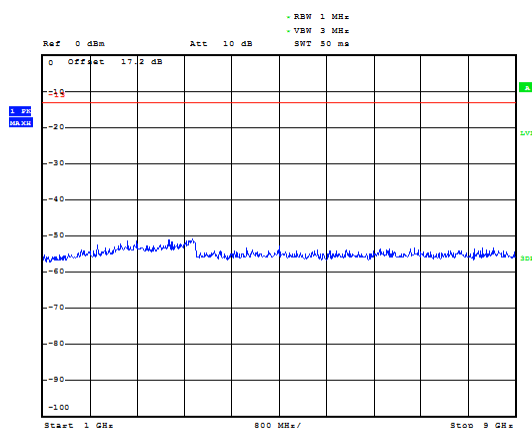
LTE Band 71 15MHz CH-Middle 1GHz~9GHz



LTE Band 71 15MHz CH-High 30MHz~1GHz

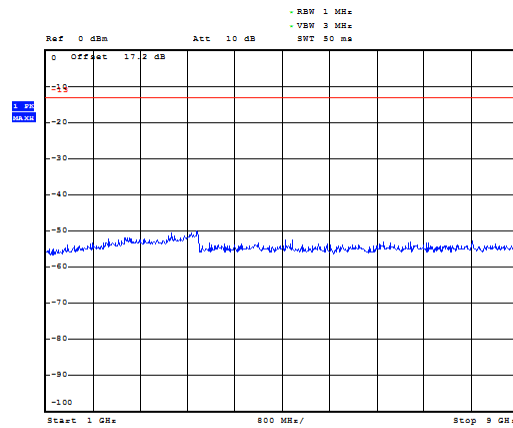
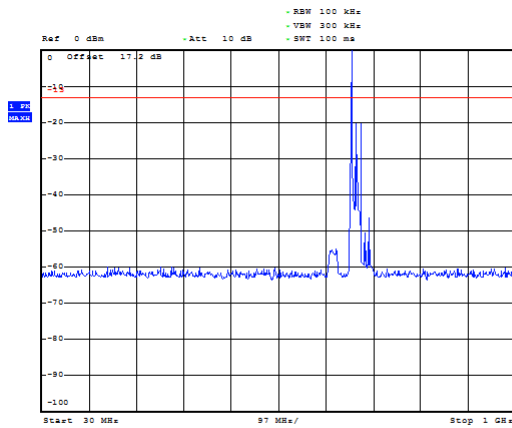


LTE Band 71 15MHz CH-High 1GHz~9GHz



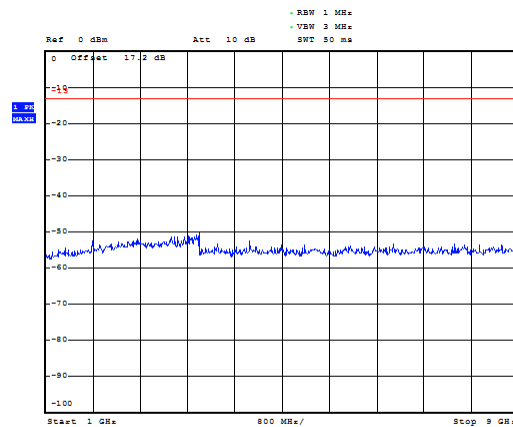
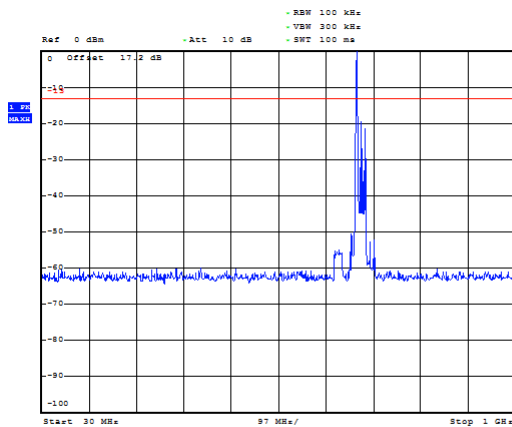
LTE Band 71 20MHz CH-Low 30MHz~1GHz

LTE Band 71 20MHz CH-Low 1GHz~9GHz



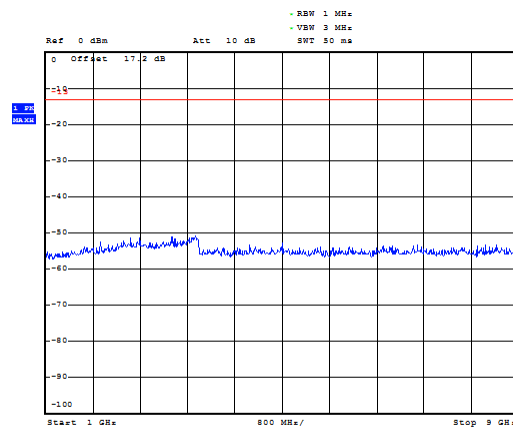
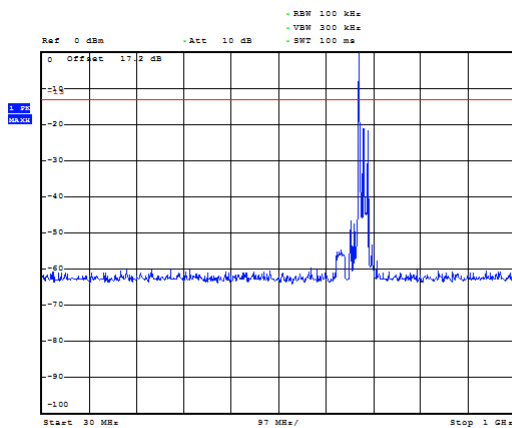
LTE Band 71 20MHz CH-Middle 30MHz~1GHz

LTE Band 71 20MHz CH-Middle 1GHz~9GHz



LTE Band 71 20MHz CH-High 30MHz~1GHz

LTE Band 71 20MHz CH-High 1GHz~9GHz



6.7 Radiated Spurious Emission

Sweep the whole frequency band through the range from 30MHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

WCDMA Band IV CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.2	-58.16	2.6	10.75	Horizontal	-50.01	-13.00	37.01	90
3	5197.8	-62.42	2.4	11.05	Horizontal	-53.77	-13.00	40.77	135
4	6930.4	-52.92	4.5	11.15	Horizontal	-46.27	-13.00	33.27	45
5	8663.0	-55.39	5.1	11.35	Horizontal	-49.14	-13.00	36.14	0
6	10395.6	-55.25	5.3	11.95	Horizontal	-48.60	-13.00	35.60	225
7	12128.2	-54.80	5.5	13.55	Horizontal	-46.75	-13.00	33.75	270
8	13860.8	-52.18	6.3	13.75	Horizontal	-44.73	-13.00	31.73	180
9	15593.4	-53.33	6.7	13.85	Horizontal	-46.18	-13.00	33.18	225
10	17326.0	-51.33	6.8	14.25	Horizontal	-43.88	-13.00	30.88	315
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.5	-54.46	2.6	10.75	Horizontal	-46.31	-13.00	33.31	90
3	5191.5	-59.67	2.4	11.05	Horizontal	-51.02	-13.00	38.02	315
4	6930.0	-45.66	4.5	11.15	Horizontal	-39.01	-13.00	26.01	225
5	8662.5	-56.26	5.1	11.35	Horizontal	-50.01	-13.00	37.01	270
6	10395.0	-55.48	5.3	11.95	Horizontal	-48.83	-13.00	35.83	90
7	12127.5	-53.74	5.5	13.55	Horizontal	-45.69	-13.00	32.69	135
8	13860.0	-52.20	6.3	13.75	Horizontal	-44.75	-13.00	31.75	45
9	15592.5	-53.93	6.7	13.85	Horizontal	-46.78	-13.00	33.78	45
10	17325.0	-47.52	6.8	14.25	Horizontal	-40.07	-13.00	27.07	0
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.0	-67.96	2.00	10.75	Horizontal	-61.36	-13.00	48.36	180
3	2122.5	-56.18	2.51	11.05	Horizontal	-49.79	-13.00	36.79	225
4	2830.0	-57.29	4.20	11.15	Horizontal	-52.49	-13.00	39.49	315
5	3537.5	-52.01	5.20	11.15	Horizontal	-48.21	-13.00	35.21	135
6	4245.0	-53.13	5.50	11.95	Horizontal	-48.83	-13.00	35.83	0
7	4952.5	-61.19	5.70	13.55	Horizontal	-55.49	-13.00	42.49	45
8	5660.0	-60.70	6.30	13.75	Horizontal	-55.40	-13.00	42.40	315
9	6367.5	-56.87	6.80	13.85	Horizontal	-51.97	-13.00	38.97	180
10	7075.0	-55.40	6.90	14.25	Horizontal	-50.20	-13.00	37.20	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 13 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1564.0	-65.63	2.00	10.75	Horizontal	-59.03	-40.00	19.03	135
3	2346.0	-53.93	2.51	11.05	Horizontal	-47.54	-13.00	34.54	45
4	3128.0	-61.26	4.20	11.15	Horizontal	-56.46	-13.00	43.46	90
5	3910.0	-60.06	5.20	11.15	Horizontal	-56.26	-13.00	43.26	135
6	4692.0	-59.82	5.50	11.95	Horizontal	-55.52	-13.00	42.52	180
7	5474.0	-61.02	5.70	13.55	Horizontal	-55.32	-13.00	42.32	225
8	6256.0	-59.25	6.30	13.75	Horizontal	-53.95	-13.00	40.95	315
9	7038.0	-54.98	6.80	13.85	Horizontal	-50.08	-13.00	37.08	270
10	7820.0	-54.13	6.90	14.25	Horizontal	-48.93	-13.00	35.93	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.5	-60.24	2.6	10.75	Horizontal	-52.09	-13.00	39.09	180
3	5191.5	-63.42	2.4	11.05	Horizontal	-54.77	-13.00	41.77	135
4	6930	-50.34	4.5	11.15	Horizontal	-43.69	-13.00	30.69	90
5	8662.5	-56.33	5.1	11.35	Horizontal	-50.08	-13.00	37.08	45
6	10395	-51.45	5.3	11.95	Horizontal	-44.80	-13.00	31.80	315
7	12127.5	-54.58	5.5	13.55	Horizontal	-46.53	-13.00	33.53	270
8	13860	-52.05	6.3	13.75	Horizontal	-44.60	-13.00	31.60	90
9	15592.5	-54.03	6.7	13.85	Horizontal	-46.88	-13.00	33.88	135
10	17325	-50.05	6.8	14.25	Horizontal	-42.60	-13.00	29.60	0
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 71 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1361.0	-54.15	2.00	10.75	Horizontal	-47.55	-13.00	34.55	135
3	2041.5	-58.83	2.51	11.05	Horizontal	-52.44	-13.00	39.44	315
4	2722.0	-63.26	4.20	11.15	Horizontal	-58.46	-13.00	45.46	90
5	3402.5	-61.26	5.20	11.15	Horizontal	-57.46	-13.00	44.46	90
6	4083.0	-60.82	5.50	11.95	Horizontal	-56.52	-13.00	43.52	135
7	4763.5	-61.24	5.70	13.55	Horizontal	-55.54	-13.00	42.54	45
8	5444.0	-59.56	6.30	13.75	Horizontal	-54.26	-13.00	41.26	225
9	6124.5	-59.62	6.80	13.85	Horizontal	-54.72	-13.00	41.72	315
10	6805.0	-58.23	6.90	14.25	Horizontal	-53.03	-13.00	40.03	90
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

7 Main Test Instruments

Date of Testing: June 29, 2018~ July 16, 2018 and July 30, 2018~ July 31, 2018 and August 3, 2019~ August 13, 2019

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMU200	118133	2019-05-19	2020-05-18
Base Station Simulator	R&S	CMW500	113824	2019-05-19	2020-05-18
Power Splitter	Hua Xiang	SHX-GF2-2-13	10120101	/	/
Spectrum Analyzer	Key sight	N9010A	MY50210259	2019-05-19	2020-05-18
Universal Radio Communication Tester	Key sight	E5515C	MY48367192	2019-05-19	2020-05-18
Signal Analyzer	R&S	FSV30	100815	2018-12-16	2019-12-15
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-09-26	2019-09-25
Trilog Antenna	SCHWARZBECK	VUBL 9163	9163-201	2017-11-18	2019-11-17
Horn Antenna	R&S	HF907	100126	2018-07-07	2020-07-06
Signal generator	R&S	SMB 100A	102594	2019-05-19	2020-05-18
Climatic Chamber	ESPEC	SU-242	93000506	2017-12-17	2020-12-16
Preamplifier	R&S	SCU18	102327	2019-05-19	2020-05-18
MOB COMMS DC SUPPLY	Keysight	66319D	MY43004105	2019-05-19	2020-05-18
RF Cable	Agilent	SMA 15cm	0001	2019-06-14	2019-09-13
Software	R&S	EMC32	9.26.0	/	/

Date of Testing: September 3, 2025 ~ September 18, 2025

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Wireless Communication Tester	Anritsu	MT8821C	6201538758	2025-05-06	2026-05-05
Climate Chamber	WEISS	VT 4002	58226119450 010	2025-05-06	2026-05-05
Spectrum Analyzer	Keysight	N9020A	MY52330084	2025-05-06	2026-05-05
DC Power Supply	UNI-T	UTP1310+	C220795889	2025-05-06	2026-05-05

8 The EUT Appearance

Refer to *EUT Appearance*.

9 Test Setup Photos

Refer to *Part 27 Test Setup*.

10 Product Change Description

The Product Change Description are submitted separately.

***** END OF REPORT *****