Appendix K: Test Data for LTE Band 71

Product Name: TT1001 10.1 inch Tablet

Test Model: TT1001V2

K1. Effective (Isotropic) Radiated Power Output Data

K1.1 Test Result

Test Band: 71 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.18	22.66	24.03	-1.15	1.00	23.03	21.51	22.88	34.77	PASS
		13	24.15	22.98	24.03	-1.15	1.00	23.00	21.83	22.88	34.77	PASS
		24	23.92	23.17	23.82	-1.15	1.00	22.77	22.02	22.67	34.77	PASS
	12	0	23.06	21.75	23.16	-1.15	1.00	21.91	20.60	22.01	34.77	PASS
		6	23.08	21.89	23.17	-1.15	1.00	21.93	20.74	22.02	34.77	PASS
		13	22.83	22.07	23.13	-1.15	1.00	21.68	20.92	21.98	34.77	PASS
	25	0	22.92	21.82	23.20	-1.15	1.00	21.77	20.67	22.05	34.77	PASS
16QAM	1		23.00	21.91	22.82	-1.15	1.00	21.85	20.76	21.67	34.77	PASS
		13	23.17	22.19	22.73	-1.15	1.00	22.02	21.04	21.58	34.77	PASS
		24	22.67	22.22	23.18	-1.15	1.00	21.52	21.07	22.03	34.77	PASS
	12	0	22.02	20.58	22.24	-1.15	1.00	20.87	19.43	21.09	34.77	PASS
		6	22.02	20.66	22.14	-1.15	1.00	20.87	19.51	20.99	34.77	PASS
		13	22.04	20.73	22.12	-1.15	1.00	20.89	19.58	20.97	34.77	PASS
	25	0	21.97	20.88	22.10	-1.15	1.00	20.82	19.73	20.95	34.77	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

Test Band: 71 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.07	22.69	23.88	-1.15	1.00	22.92	21.54	22.73	34.77	PASS
		25	23.93	23.28	24.07	-1.15	1.00	22.78	22.13	22.92	34.77	PASS
		49	23.24	23.45	23.91	-1.15	1.00	22.09	22.30	22.76	34.77	PASS
	25	0	22.92	21.76	22.99	-1.15	1.00	21.77	20.61	21.84	34.77	PASS
		13	22.67	21.97	23.18	-1.15	1.00	21.52	20.82	22.03	34.77	PASS
		25	22.52	22.14	23.18	-1.15	1.00	21.37	20.99	22.04	34.77	PASS
	50	0	22.69	21.87	23.01	-1.15	1.00	21.54	20.72	21.86	34.77	PASS
16QAM	1		23.20	22.01	22.12	-1.15	1.00	22.05	20.86	20.97	34.77	PASS
		25	22.80	22.29	23.19	-1.15	1.00	21.65	21.14	22.04	34.77	PASS
		49	22.39	22.67	22.90	-1.15	1.00	21.24	21.52	21.75	34.77	PASS
	25	0	21.90	20.88	22.00	-1.15	1.00	20.75	19.73	20.85	34.77	PASS
		13	21.60	20.93	22.01	-1.15	1.00	20.45	19.78	20.86	34.77	PASS
		25	21.45	21.19	22.01	-1.15	1.00	20.30	20.04	20.86	34.77	PASS
	50	0	21.67	21.09	22.12	-1.15	1.00	20.52	19.94	20.97	34.77	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

Test Band: 71 _ 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.05	22.90	23.26	-1.15	1.00	22.90	21.75	22.11	34.77	PASS
		38	23.33	22.79	23.97	-1.15	1.00	22.18	21.64	22.82	34.77	PASS
		74	22.74	23.39	24.06	-1.15	1.00	21.59	22.24	22.91	34.77	PASS
	36	0	22.85	21.89	22.52	-1.15	1.00	21.70	20.74	21.37	34.77	PASS
		18	22.42	21.93	22.92	-1.15	1.00	21.27	20.78	21.77	34.77	PASS
		39	21.95	22.27	23.14	-1.15	1.00	20.80	21.12	21.99	34.77	PASS
	75	0	22.37	22.01	22.75	-1.15	1.00	21.22	20.86	21.60	34.77	PASS
16QAM	1	0	23.31	21.63	21.65	-1.15	1.00	22.16	20.48	20.50	34.77	PASS
		38	22.50	21.66	22.92	-1.15	1.00	21.35	20.51	21.77	34.77	PASS
		74	21.86	21.97	23.24	-1.15	1.00	20.71	20.82	22.09	34.77	PASS
	36	0	21.74	20.72	21.44	-1.15	1.00	20.59	19.57	20.29	34.77	PASS
		18	21.35	20.88	21.76	-1.15	1.00	20.20	19.73	20.60	34.77	PASS
		39	20.95	21.20	22.26	-1.15	1.00	19.80	20.05	21.11	34.77	PASS
	75	0	21.33	20.90	21.82	-1.15	1.00	20.18	19.75	20.67	34.77	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

Test Band: 71 _ 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.00	23.09	22.56	-1.15	1.00	22.85	21.94	21.41	34.77	PASS
		50	23.26	22.99	23.76	-1.15	1.00	22.11	21.84	22.61	34.77	PASS
		99	23.26	23.69	24.12	-1.15	1.00	22.11	22.54	22.97	34.77	PASS
	50	0	22.57	21.89	22.20	-1.15	1.00	21.42	20.74	21.05	34.77	PASS
		25	22.12	21.96	22.65	-1.15	1.00	20.97	20.81	21.50	34.77	PASS
		50	21.88	22.27	23.16	-1.15	1.00	20.73	21.12	22.01	34.77	PASS
	100	0	22.19	22.19	22.76	-1.15	1.00	21.04	21.04	21.61	34.77	PASS
16QAM	1	0	23.24	22.13	21.94	-1.15	1.00	22.09	20.98	20.79	34.77	PASS
		50	22.52	21.70	23.51	-1.15	1.00	21.37	20.55	22.36	34.77	PASS
		99	22.49	22.11	23.51	-1.15	1.00	21.34	20.96	22.36	34.77	PASS
	50	0	21.67	20.85	21.30	-1.15	1.00	20.52	19.70	20.15	34.77	PASS
		25	21.22	21.00	21.77	-1.15	1.00	20.07	19.85	20.62	34.77	PASS
		50	20.68	21.37	22.18	-1.15	1.00	19.53	20.22	21.03	34.77	PASS
	100	0	21.08	21.05	21.74	-1.15	1.00	19.93	19.90	20.59	34.77	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

K2. Frequency stability

K2.1 Test Result

Test Band: 71 _ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	-1.2588	-0.9441	-1.8311	-0.0019	-0.0014	-0.0026	2.50	PASS
				NV	-1.8454	-1.6022	-2.3890	-0.0028	-0.0024	-0.0034	2.50	PASS
				HV	-2.5463	-2.0027	-1.0300	-0.0038	-0.0029	-0.0015	2.50	PASS
16QAM	25	0	NT	LV	-1.5736	-2.0313	-2.2888	-0.0024	-0.0030	-0.0033	2.50	PASS
				NV	-2.3031	-2.1315	-1.9312	-0.0035	-0.0031	-0.0028	2.50	PASS
				HV	-1.5879	-1.9455	-1.9598	-0.0024	-0.0029	-0.0028	2.50	PASS

Test Band: 71 _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	-1.6022	-1.9026	-1.7452	-0.0024	-0.0028	-0.0025	2.50	PASS
				-20.00	-1.8311	-2.6321	-1.3447	-0.0028	-0.0039	-0.0019	2.50	PASS
				-10.00	-2.6464	-1.7738	-2.3603	-0.0040	-0.0026	-0.0034	2.50	PASS
				0.00	-1.4591	-0.6723	-1.3161	-0.0022	-0.0010	-0.0019	2.50	PASS
				10.00	-1.8024	-0.3290	-2.1315	-0.0027	-0.0005	-0.0031	2.50	PASS
				20.00	-2.0456	-1.6022	-2.2030	-0.0031	-0.0024	-0.0032	2.50	PASS
				30.00	-1.8597	-2.3603	-2.3890	-0.0028	-0.0035	-0.0034	2.50	PASS
				40.00	-2.3603	-2.4033	-3.0756	-0.0035	-0.0035	-0.0044	2.50	PASS
				50.00	-2.7752	-2.5606	-1.6165	-0.0042	-0.0038	-0.0023	2.50	PASS
16QAM	25	0	NV	-30.00	-2.1172	-1.7881	-2.4176	-0.0032	-0.0026	-0.0035	2.50	PASS
				-20.00	-2.3603	-2.8181	-1.1730	-0.0035	-0.0041	-0.0017	2.50	PASS
				-10.00	-1.9741	-2.4605	-2.0742	-0.0030	-0.0036	-0.0030	2.50	PASS
				0.00	-1.8454	-1.5736	-1.7738	-0.0028	-0.0023	-0.0026	2.50	PASS
				10.00	-2.2745	-1.3876	-2.2745	-0.0034	-0.0020	-0.0033	2.50	PASS
				20.00	-1.2732	-1.5879	-1.5879	-0.0019	-0.0023	-0.0023	2.50	PASS
				30.00	-1.9884	-2.3460	-1.8597	-0.0030	-0.0034	-0.0027	2.50	PASS
				40.00	-2.2030	-1.6880	-1.7738	-0.0033	-0.0025	-0.0026	2.50	PASS
				50.00	-2.4605	-2.3746	-1.5450	-0.0037	-0.0035	-0.0022	2.50	PASS

Test Band: 71 _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	-2.4033	-1.2875	-2.2888	-0.0036	-0.0019	-0.0033	2.50	PASS
				NV	-2.7323	-1.5593	-2.3890	-0.0041	-0.0023	-0.0034	2.50	PASS
				HV	-2.5034	-1.3733	-2.0027	-0.0037	-0.0020	-0.0029	2.50	PASS
16QAM	50	0	NT	LV	-2.4033	-2.1315	-1.5306	-0.0036	-0.0031	-0.0022	2.50	PASS
				NV	-2.2173	-2.0885	-1.4591	-0.0033	-0.0031	-0.0021	2.50	PASS
				HV	-2.5320	-2.2459	-0.9584	-0.0038	-0.0033	-0.0014	2.50	PASS

Test Band: 71 _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-1.3876	-1.4877	-1.7881	-0.0021	-0.0022	-0.0026	2.50	PASS
				-20.00	-1.7452	-1.2588	-1.0729	-0.0026	-0.0018	-0.0015	2.50	PASS
				-10.00	-2.2602	-1.2159	-0.7296	-0.0034	-0.0018	-0.0011	2.50	PASS
				0.00	-2.5892	-0.5722	-1.8740	-0.0039	-0.0008	-0.0027	2.50	PASS
				10.00	-2.8753	-0.4864	-2.0313	-0.0043	-0.0007	-0.0029	2.50	PASS

				20.00	-1.5593	-0.1717	-1.8168	-0.0023	-0.0003	-0.0026	2.50	PASS
				30.00	-2.0170	0.3147	-1.2732	-0.0030	0.0005	-0.0018	2.50	PASS
				40.00	-1.1444	-0.9155	-1.1444	-0.0017	-0.0013	-0.0017	2.50	PASS
				50.00	-3.0613	-2.1029	-1.3161	-0.0046	-0.0031	-0.0019	2.50	PASS
				-30.00	-2.8324	-1.5593	-1.4877	-0.0042	-0.0023	-0.0021	2.50	PASS
				-20.00	-2.1172	-2.1172	-1.6451	-0.0032	-0.0031	-0.0024	2.50	PASS
				-10.00	-1.9312	-2.1887	-1.2875	-0.0029	-0.0032	-0.0019	2.50	PASS
				0.00	-3.1471	-1.8024	-2.1601	-0.0047	-0.0026	-0.0031	2.50	PASS
16QAM	50	0	NV	10.00	-1.8454	-1.6308	-2.1601	-0.0028	-0.0024	-0.0031	2.50	PASS
				20.00	-1.9169	-1.3018	-2.3460	-0.0029	-0.0019	-0.0034	2.50	PASS
				30.00	-3.3188	-1.0157	-2.0170	-0.0050	-0.0015	-0.0029	2.50	PASS
				40.00	-2.8467	-1.8024	-1.7595	-0.0043	-0.0026	-0.0025	2.50	PASS
				50.00	-2.6321	-1.7166	-1.1730	-0.0039	-0.0025	-0.0017	2.50	PASS

Test Band: 71 _ 15MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test	Test	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit	Verdict
	Size	Offset	Temp.	Volt.	LCH	MCH	HCH	LCH	MCH	HCH	(ppm)	
QPSK	75	0	NT	LV	-0.9012	-1.7309	-1.9455	-0.0013	-0.0025	-0.0028	2.50	PASS
				NV	-1.0872	-0.8583	-0.8440	-0.0016	-0.0013	-0.0012	2.50	PASS
				HV	-1.6880	-2.1172	-0.8011	-0.0025	-0.0031	-0.0012	2.50	PASS
16QAM	75	0	NT	LV	-1.5450	-0.5150	-1.9741	-0.0023	-0.0008	-0.0029	2.50	PASS
				NV	-1.4877	-1.0014	-1.0157	-0.0022	-0.0015	-0.0015	2.50	PASS
				HV	-2.1458	-1.2016	-1.9169	-0.0032	-0.0018	-0.0028	2.50	PASS

Test Band: 71 _ 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test	Test	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit	Verdict
	Size	Offset	Volt.	Temp.	LCH	MCH	HCH	LCH	MCH	HCH	(ppm)	
				-30.00	-1.2875	-1.7452	0.0143	-0.0019	-0.0026	0.0000	2.50	PASS
				-20.00	-1.6308	-1.9026	-0.5007	-0.0024	-0.0028	-0.0007	2.50	PASS
				-10.00	-2.0885	-0.8154	-2.0027	-0.0031	-0.0012	-0.0029	2.50	PASS
				0.00	-1.8024	-1.4734	-2.0599	-0.0027	-0.0022	-0.0030	2.50	PASS
QPSK	75	0	NV	10.00	-1.6022	-0.2575	-1.3161	-0.0024	-0.0004	-0.0019	2.50	PASS
				20.00	-1.9312	-1.2732	-0.9441	-0.0029	-0.0019	-0.0014	2.50	PASS
				30.00	-1.2159	-0.7582	-0.4005	-0.0018	-0.0011	-0.0006	2.50	PASS
				40.00	-1.9455	-0.1144	-0.8583	-0.0029	-0.0002	-0.0012	2.50	PASS
				50.00	-2.1601	-1.2159	-1.5593	-0.0032	-0.0018	-0.0023	2.50	PASS
				-30.00	-1.9884	-0.8440	-0.8440	-0.0030	-0.0012	-0.0012	2.50	PASS
				-20.00	-2.1601	-1.9455	-0.1574	-0.0032	-0.0029	-0.0002	2.50	PASS
				-10.00	-1.7738	-0.5293	-2.3031	-0.0026	-0.0008	-0.0033	2.50	PASS
				0.00	-1.5450	-0.9871	-1.4877	-0.0023	-0.0015	-0.0022	2.50	PASS
16QAM	75	0	NV	10.00	-1.3733	-1.3590	-0.5865	-0.0020	-0.0020	-0.0008	2.50	PASS
				20.00	-1.7595	-1.2445	-3.0470	-0.0026	-0.0018	-0.0044	2.50	PASS
				30.00	-1.1158	-0.6866	-1.8597	-0.0017	-0.0010	-0.0027	2.50	PASS
				40.00	-1.0300	-1.0586	-1.5306	-0.0015	-0.0016	-0.0022	2.50	PASS
				50.00	-2.1744	-1.6308	-1.8883	-0.0032	-0.0024	-0.0027	2.50	PASS

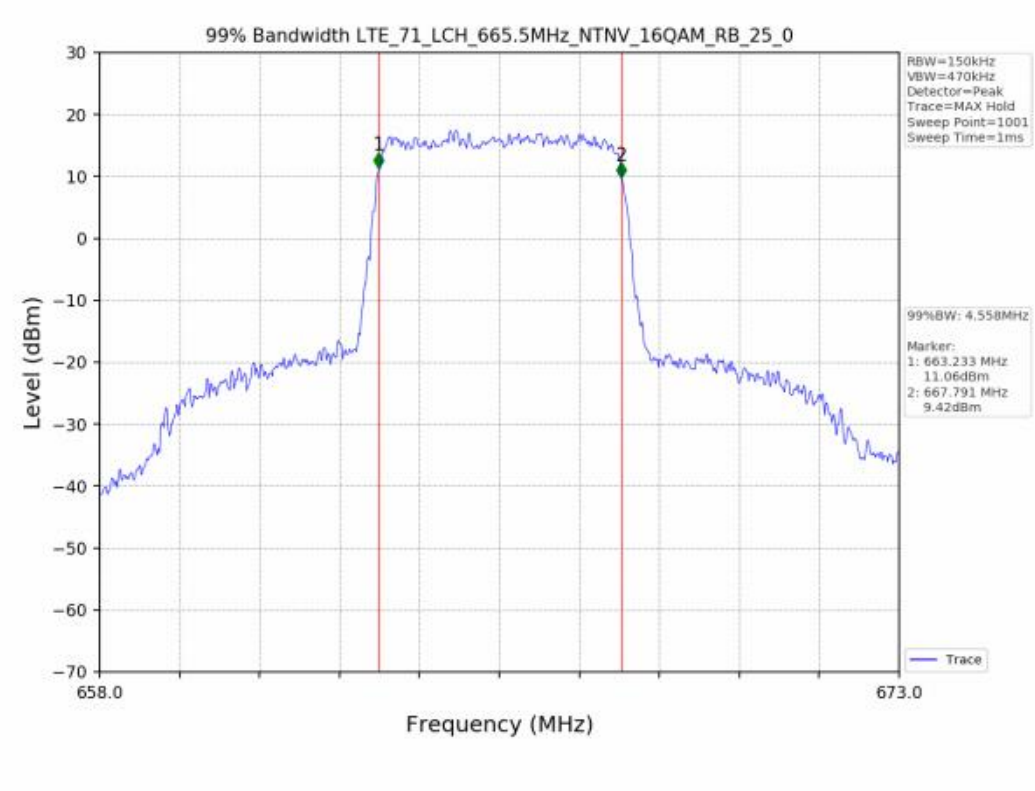
Test Band: 71 _ 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test	Test	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit	Verdict
	Size	Offset	Temp.	Volt.	LCH	MCH	HCH	LCH	MCH	HCH	(ppm)	
QPSK	100	0	NT	LV	-5.3501	-0.3719	-0.9584	-0.0079	-0.0005	-0.0014	2.50	PASS
				NV	-6.1512	-1.7595	-0.0858	-0.0091	-0.0026	-0.0001	2.50	PASS
				HV	-4.6778	-1.3447	-2.3890	-0.0070	-0.0020	-0.0035	2.50	PASS
16QAM	100	0	NT	LV	-4.1485	-0.9298	-2.4319	-0.0062	-0.0014	-0.0035	2.50	PASS
				NV	-3.8195	-0.4721	-2.7609	-0.0057	-0.0007	-0.0040	2.50	PASS
				HV	-3.6907	-2.2030	-2.8610	-0.0055	-0.0032	-0.0042	2.50	PASS

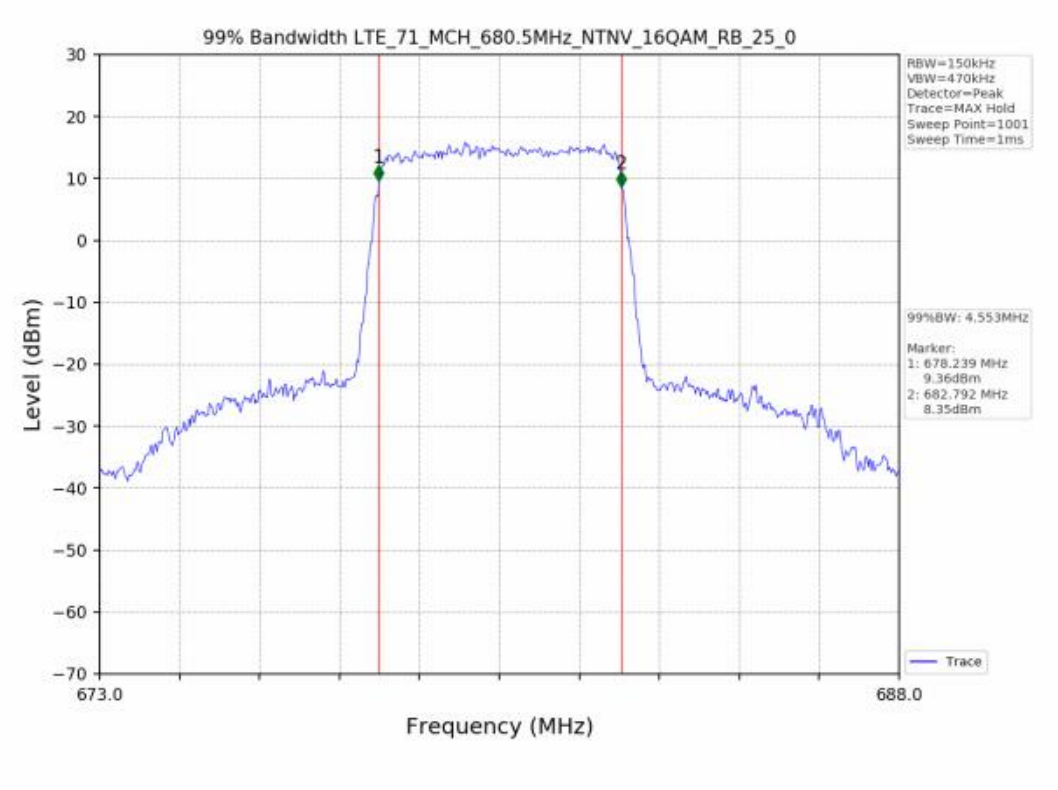
Test Band: 71 _ 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	-4.4203	-1.2445	-1.7309	-0.0066	-0.0018	-0.0025	2.50	PASS
				-20.00	-4.8637	-1.0443	-1.8740	-0.0072	-0.0015	-0.0027	2.50	PASS
				-10.00	-5.4216	-2.1601	-1.9312	-0.0081	-0.0032	-0.0028	2.50	PASS
				0.00	-5.9509	-0.9584	-0.5007	-0.0088	-0.0014	-0.0007	2.50	PASS
				10.00	-4.6062	-2.1744	-1.8454	-0.0068	-0.0032	-0.0027	2.50	PASS
				20.00	-4.5347	-1.3590	-1.6594	-0.0067	-0.0020	-0.0024	2.50	PASS
				30.00	-6.0368	-0.6151	-0.8154	-0.0090	-0.0009	-0.0012	2.50	PASS
				40.00	-6.7091	-0.9584	-1.4591	-0.0100	-0.0014	-0.0021	2.50	PASS
				50.00	-5.9509	-1.0443	-0.2003	-0.0088	-0.0015	-0.0003	2.50	PASS
16QAM	100	0	NV	-30.00	-3.7622	-1.3590	-3.1042	-0.0056	-0.0020	-0.0045	2.50	PASS
				-20.00	-6.1369	-2.1172	-2.4319	-0.0091	-0.0031	-0.0035	2.50	PASS
				-10.00	-4.4060	-1.3018	-1.7166	-0.0065	-0.0019	-0.0025	2.50	PASS
				0.00	-4.4632	-1.7023	-1.9598	-0.0066	-0.0025	-0.0028	2.50	PASS
				10.00	-5.7364	-1.6880	-2.4891	-0.0085	-0.0025	-0.0036	2.50	PASS
				20.00	-5.0354	-0.9441	-1.9455	-0.0075	-0.0014	-0.0028	2.50	PASS
				30.00	-4.9067	-1.3304	-1.4877	-0.0073	-0.0020	-0.0022	2.50	PASS
				40.00	-5.2071	-0.4292	-1.3733	-0.0077	-0.0006	-0.0020	2.50	PASS
				50.00	-4.2343	-2.1887	-1.2016	-0.0063	-0.0032	-0.0017	2.50	PASS

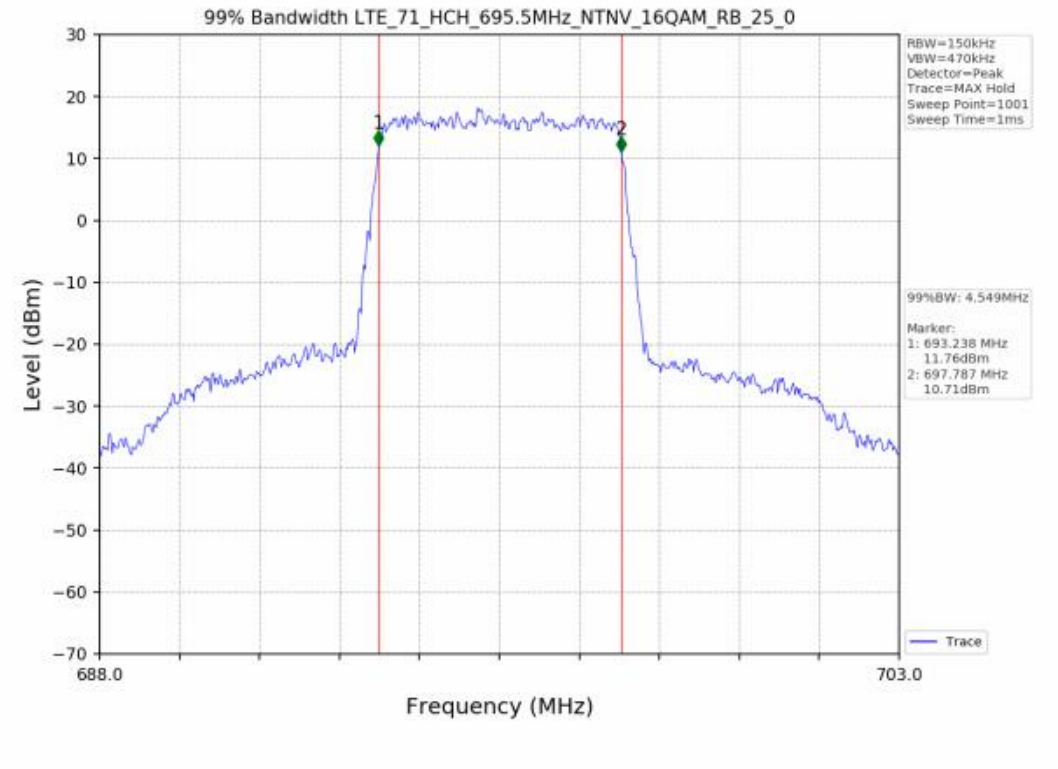
K3. 99% & 26dB Bandwidth

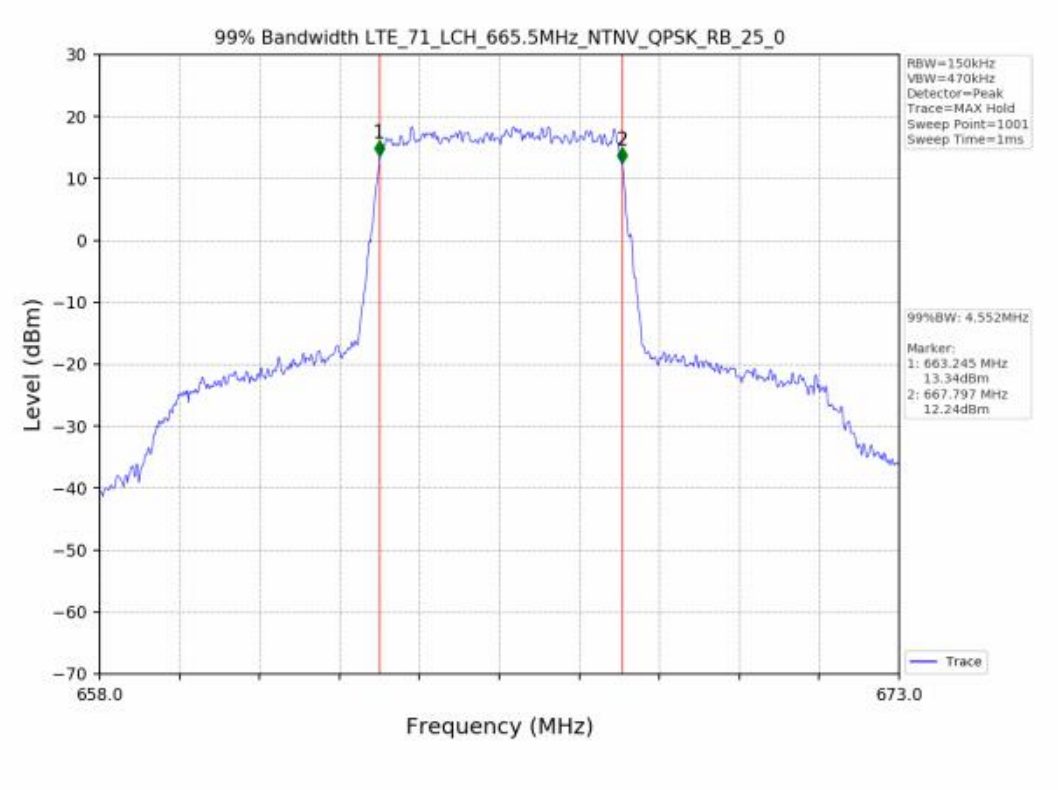
K3.1 Test Result

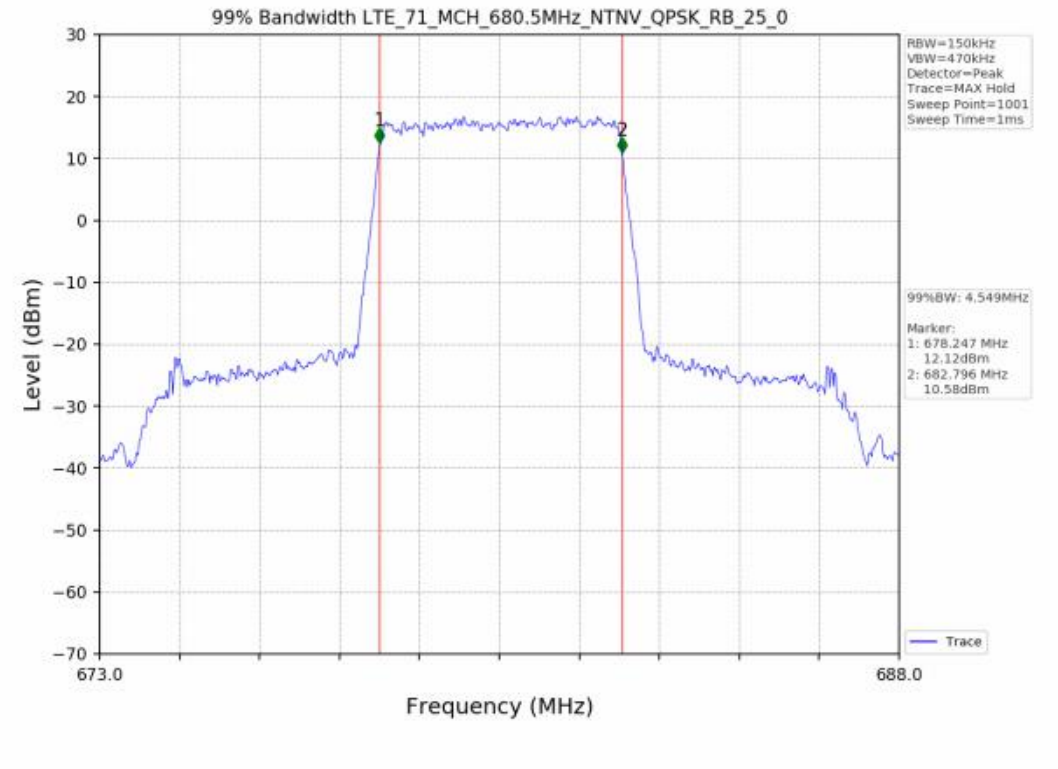
Test Band: 71 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.552	4.549	4.542	N/A	PASS
16QAM	25	0	4.558	4.553	4.549	N/A	PASS

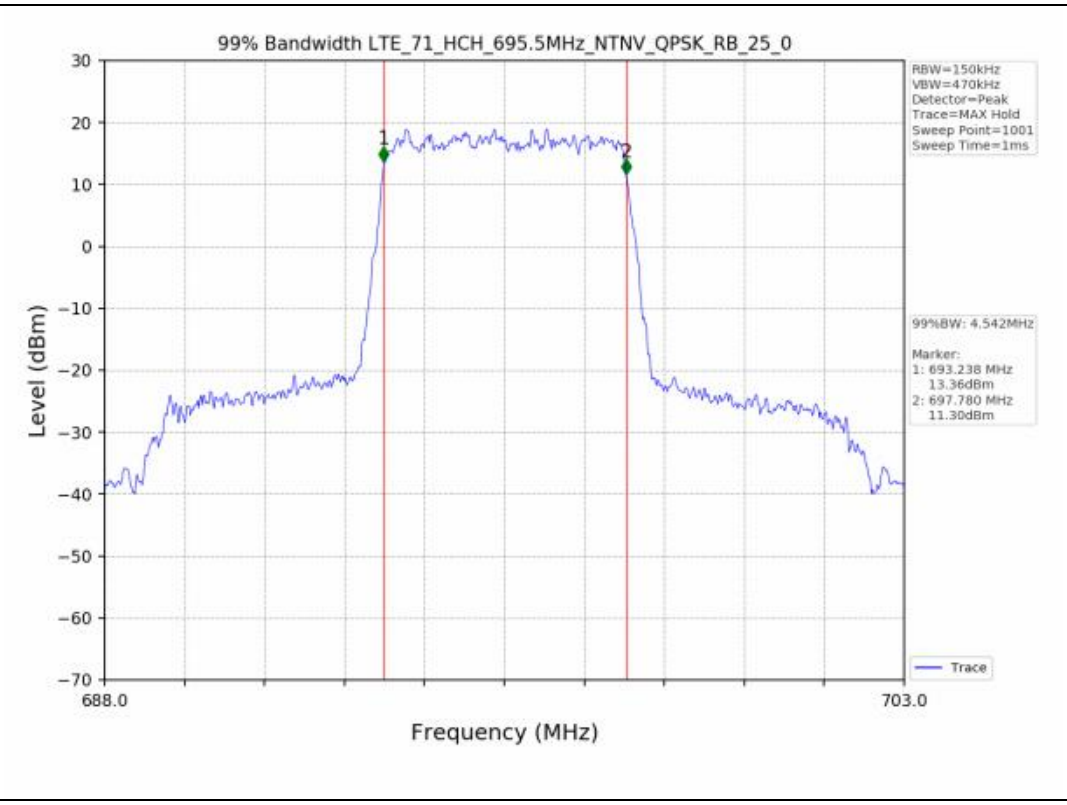



99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.553MHz
Marker:
1: 678.239 MHz
9.36dBm
2: 682.792 MHz
8.35dBm
Trace
Level (dBm)
Frequency (MHz)
673.0
688.0

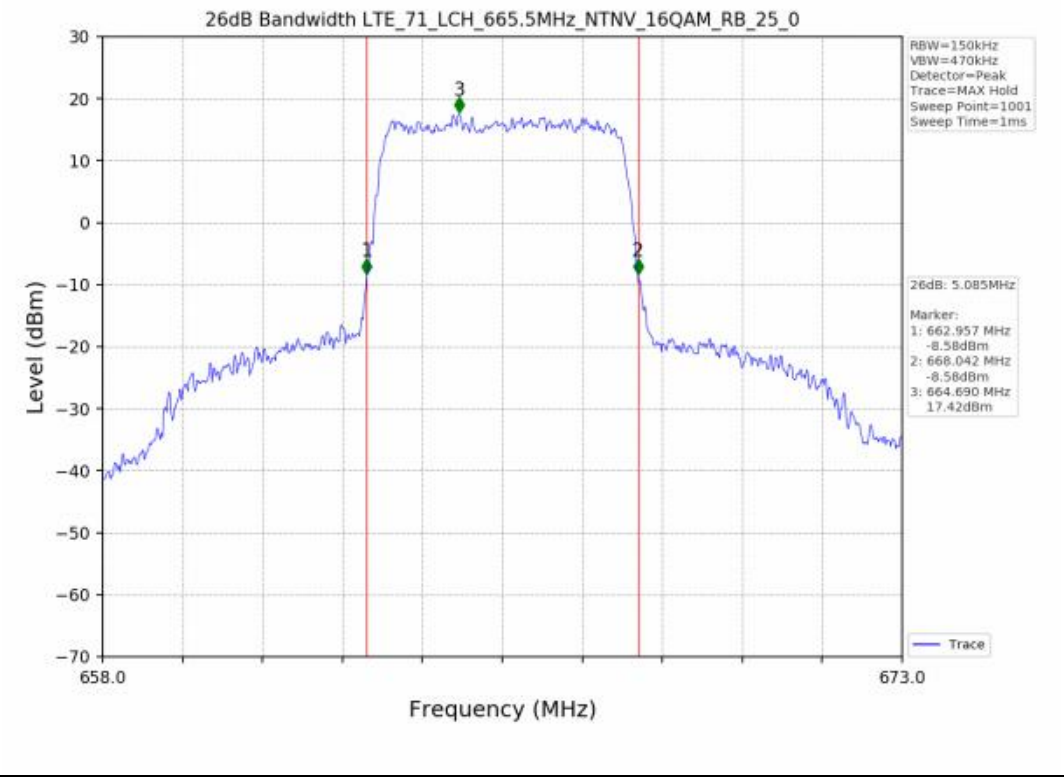

99% Bandwidth LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.549MHz
Marker:
1: 693.238 MHz
11.76dBm
2: 697.787 MHz
10.71dBm
Trace
Level (dBm)
Frequency (MHz)
688.0
703.0

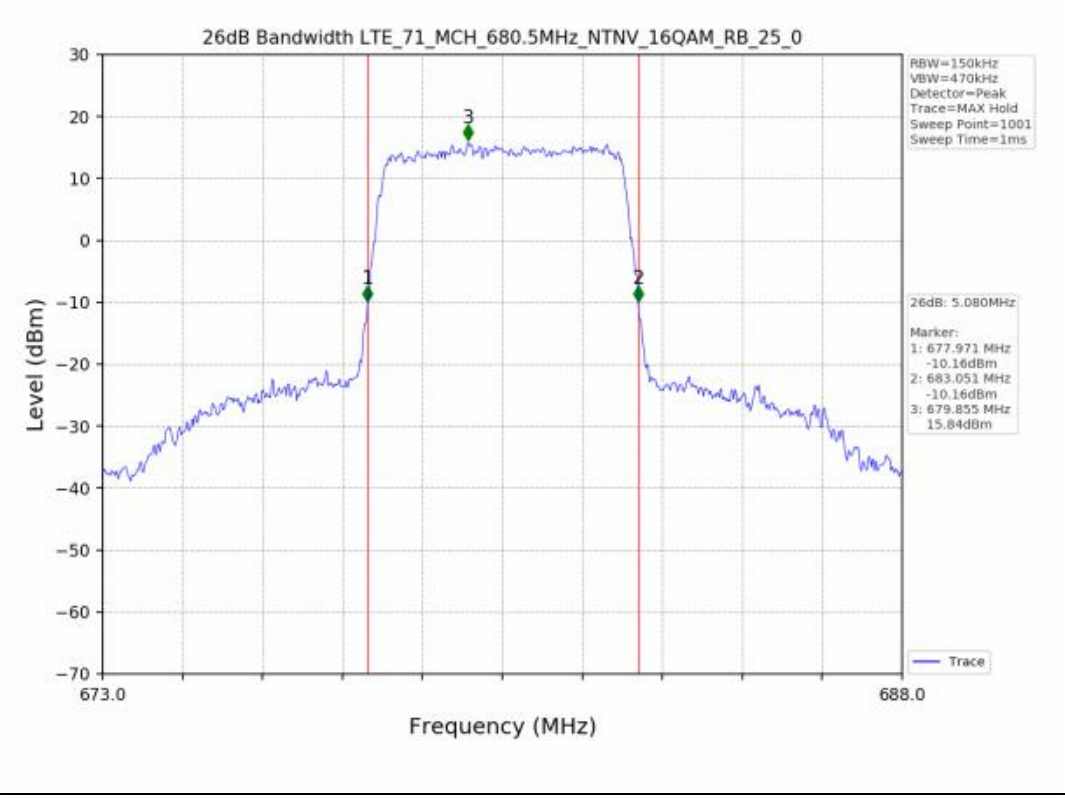

99% Bandwidth LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.552MHz
Marker:
1: 663.245 MHz
13.34dBm
2: 667.797 MHz
12.24dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
673.0

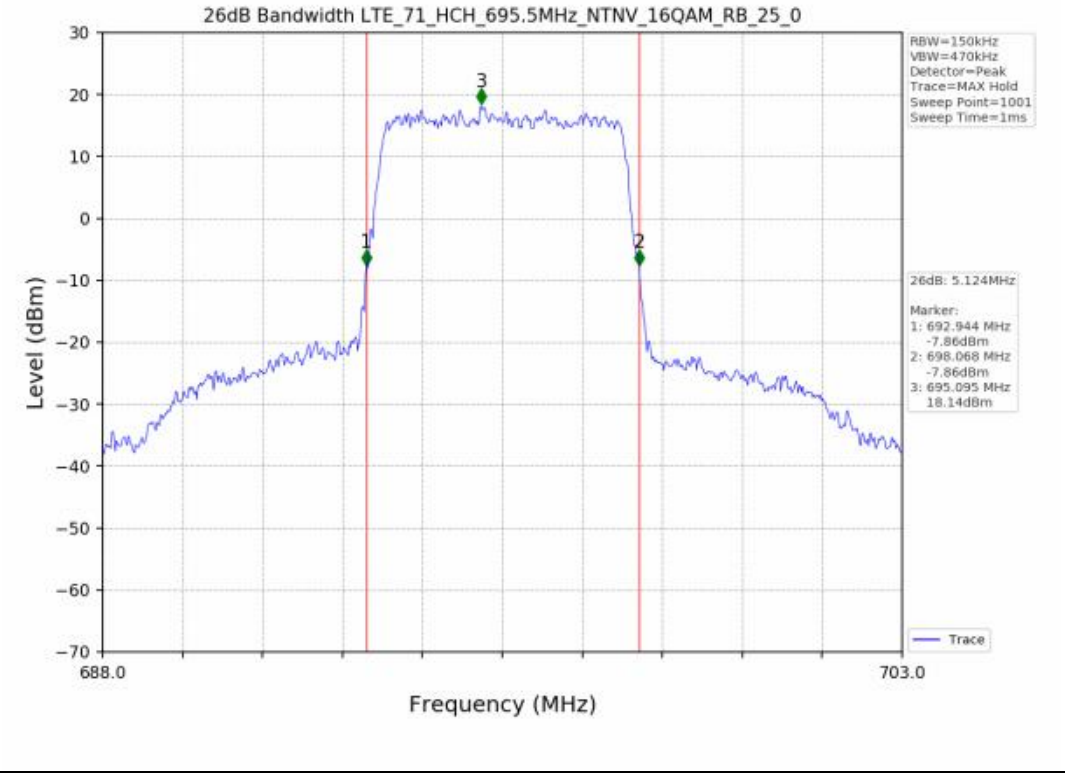

99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.549MHz
Marker:
1: 678.247 MHz
12.12dBm
2: 682.796 MHz
10.58dBm
Trace
Level (dBm)
Frequency (MHz)
673.0
688.0

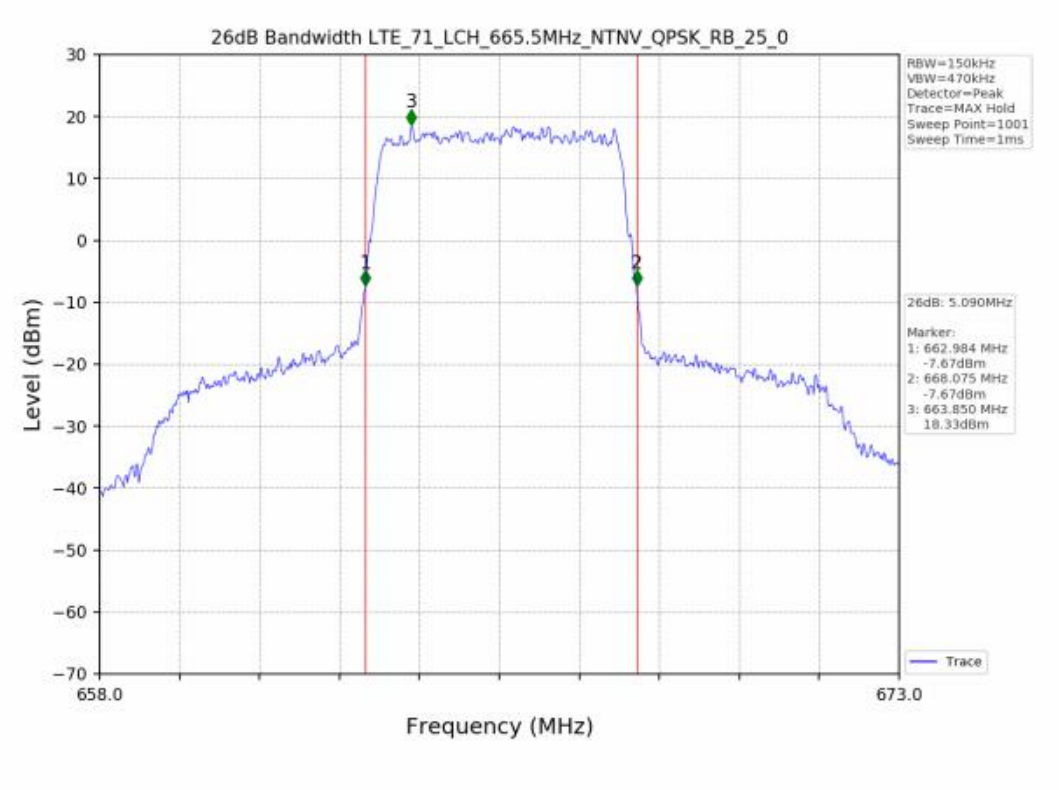

99% Bandwidth LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.542MHz
Marker:
1: 693.238 MHz
13.36dBm
2: 697.780 MHz
11.30dBm
Trace
Level (dBm)
Frequency (MHz)
688.0
703.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

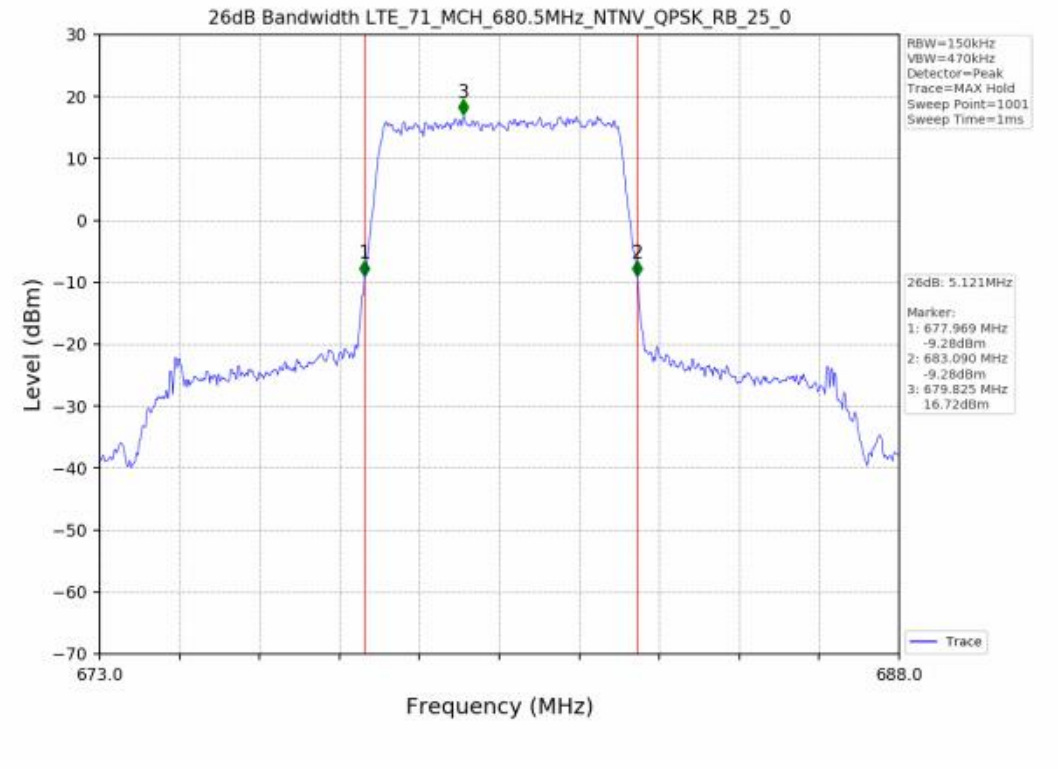
Test Band: 71 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.090	5.121	5.063	N/A	PASS
16QAM	25	0	5.085	5.080	5.124	N/A	PASS

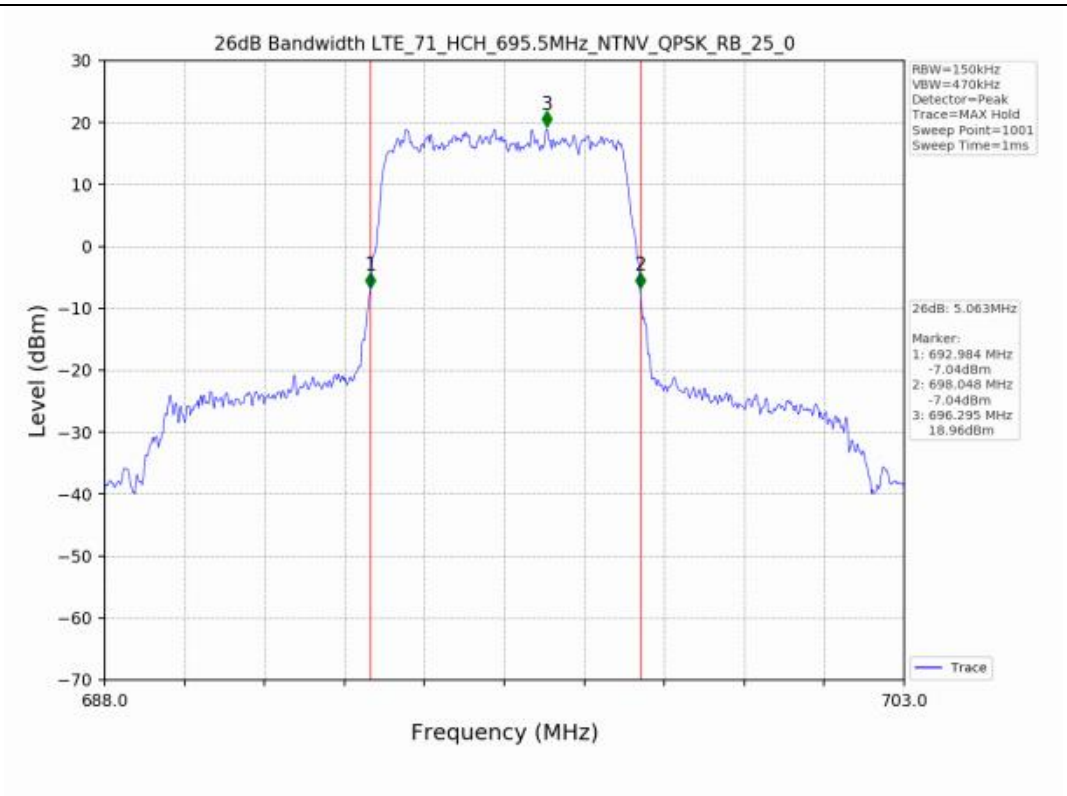



26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.080MHz
Marker:
1: 677.971 MHz
-10.16dBm
2: 683.051 MHz
-10.16dBm
3: 679.855 MHz
15.84dBm
Trace
Level (dBm)
Frequency (MHz)
673.0
688.0

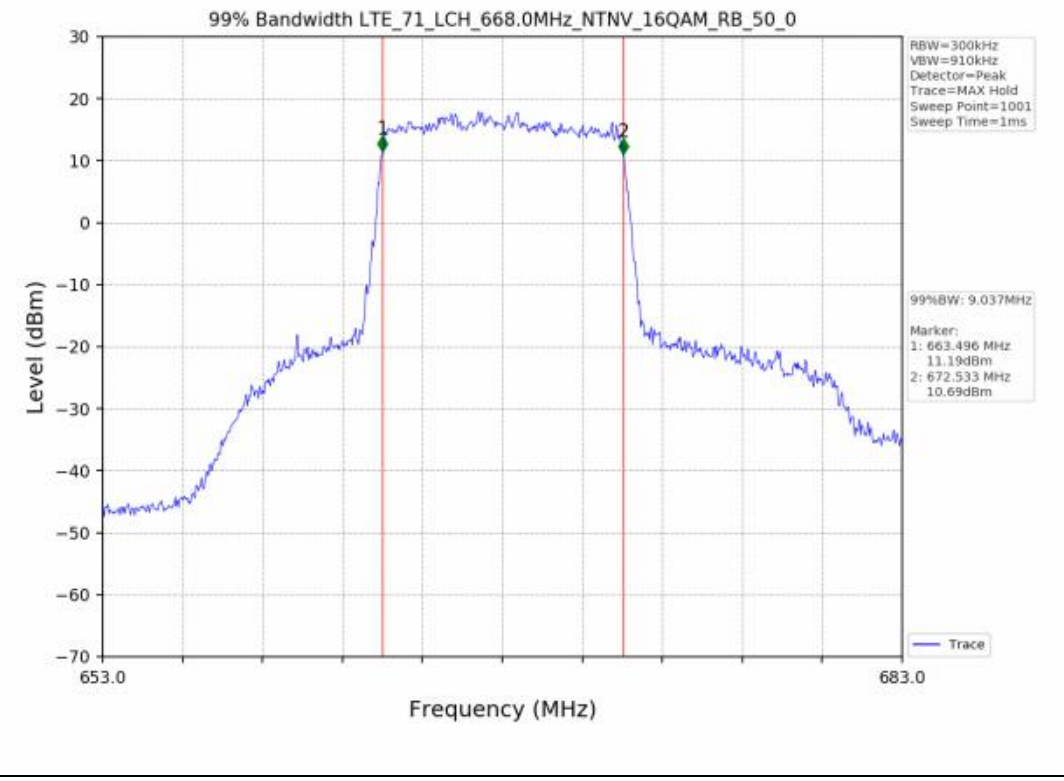

26dB Bandwidth LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.124MHz
Marker:
1: 692.944 MHz
-7.86dBm
2: 698.068 MHz
-7.86dBm
3: 695.095 MHz
18.14dBm
Trace
Level (dBm)
Frequency (MHz)
688.0
703.0

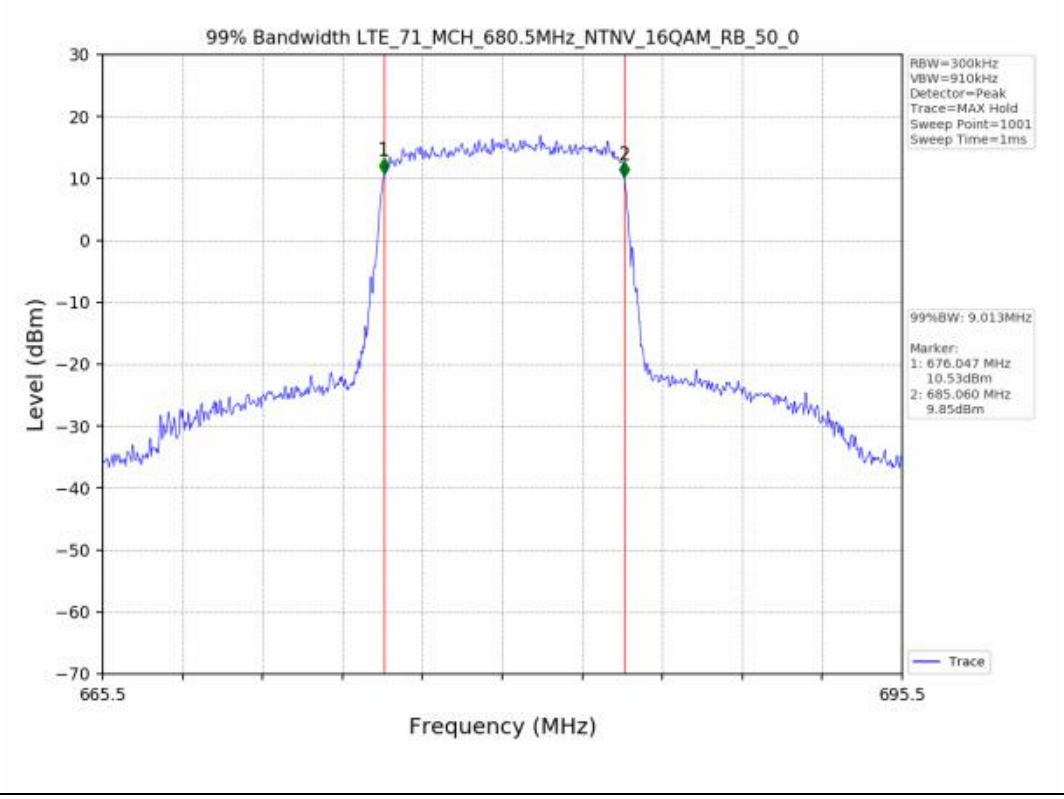

26dB Bandwidth LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.090MHz
Marker:
1: 662.984 MHz
-7.67dBm
2: 668.075 MHz
-7.67dBm
3: 663.850 MHz
18.33dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
673.0

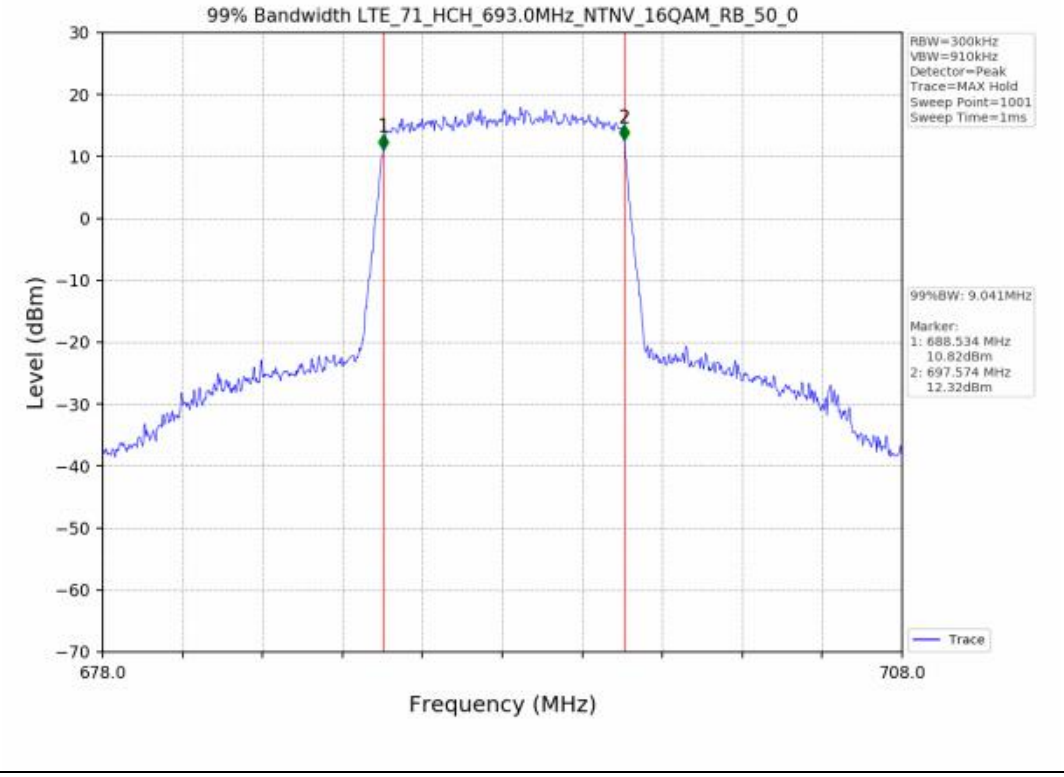

26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.121MHz
Marker:
1: 677.969 MHz
-9.28dBm
2: 683.090 MHz
-9.28dBm
3: 679.825 MHz
16.72dBm
Trace
Level (dBm)
Frequency (MHz)
673.0
688.0

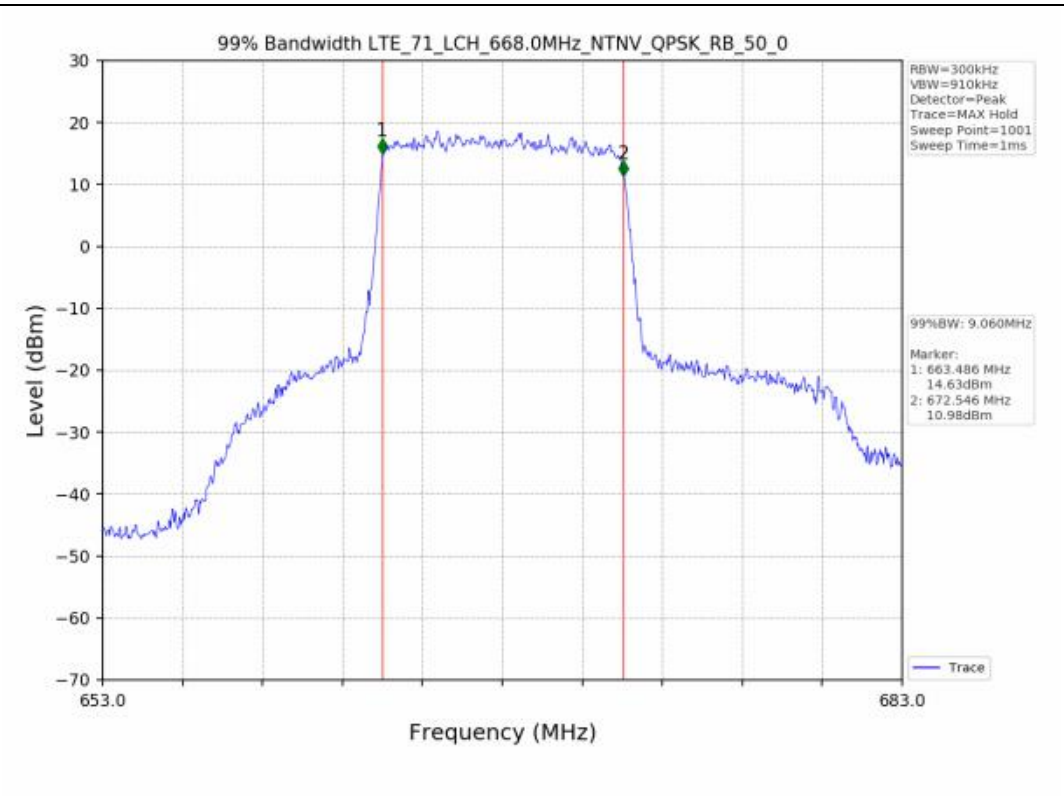

26dB Bandwidth LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.063MHz
Marker:
1: 692.984 MHz
-7.04dBm
2: 698.048 MHz
-7.04dBm
3: 696.295 MHz
18.96dBm
Trace
Level (dBm)
Frequency (MHz)
688.0
703.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

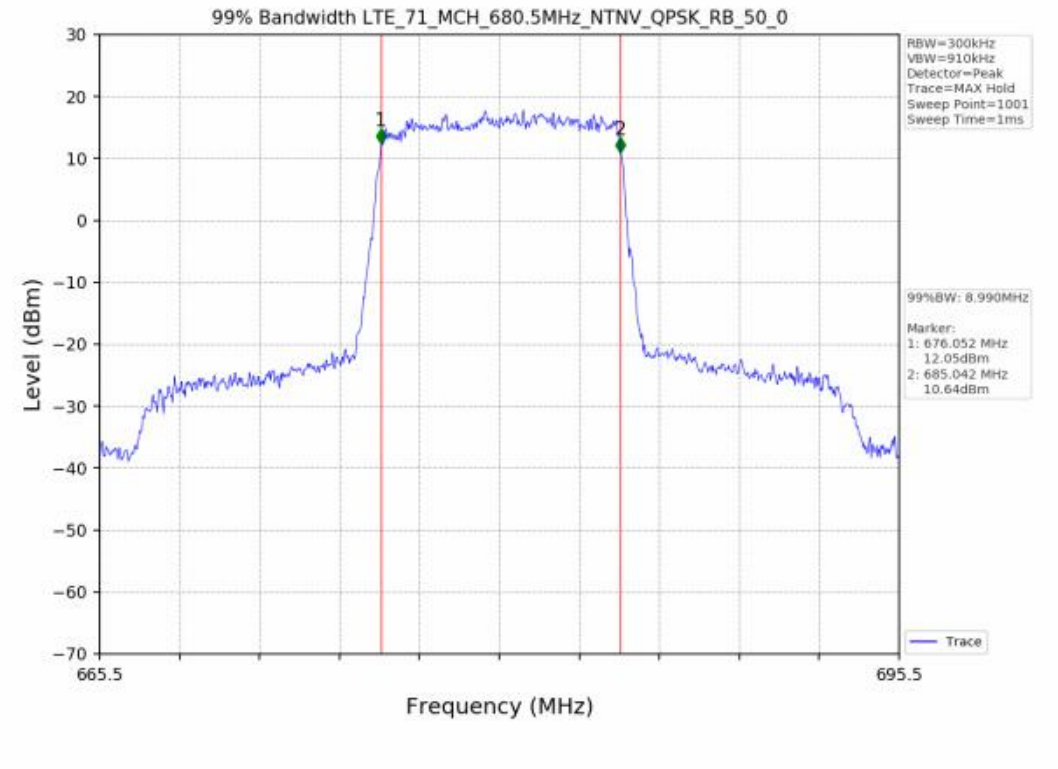
Test Band: 71 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.060	8.990	9.027	N/A	PASS
16QAM	50	0	9.037	9.013	9.041	N/A	PASS

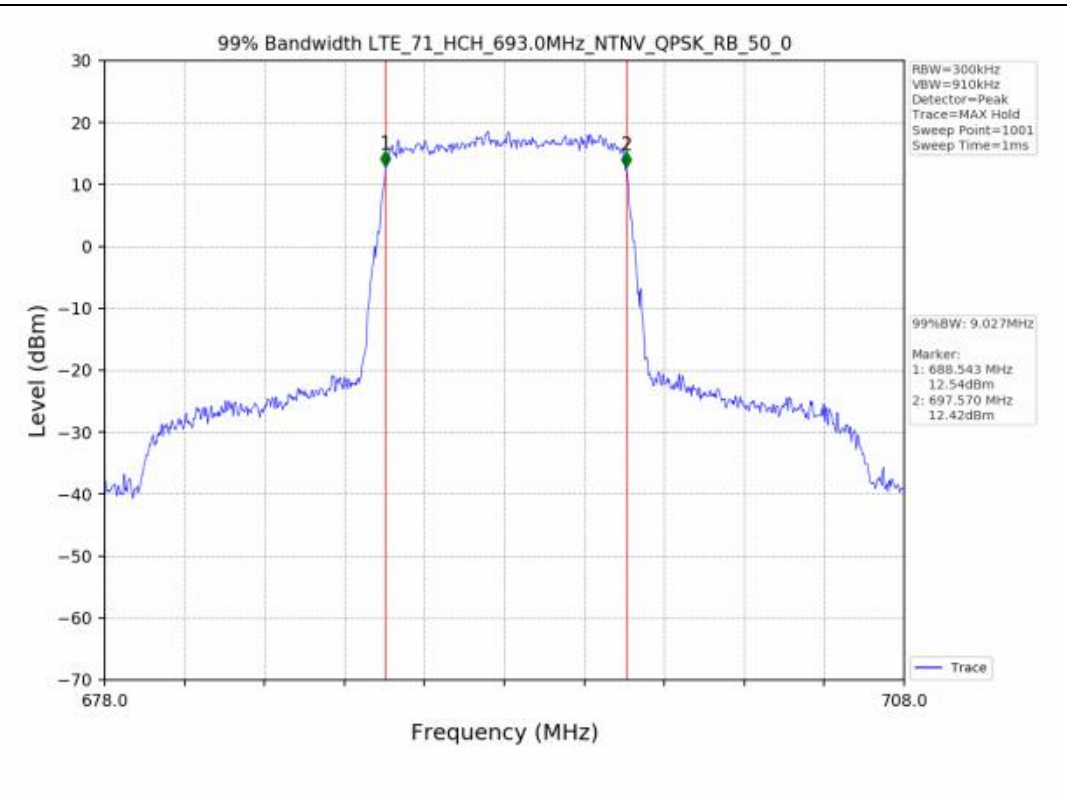



99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.013MHz
Marker:
1: 676.047 MHz
10.53dBm
2: 685.060 MHz
9.85dBm
Trace
Level (dBm)
Frequency (MHz)
665.5
695.5

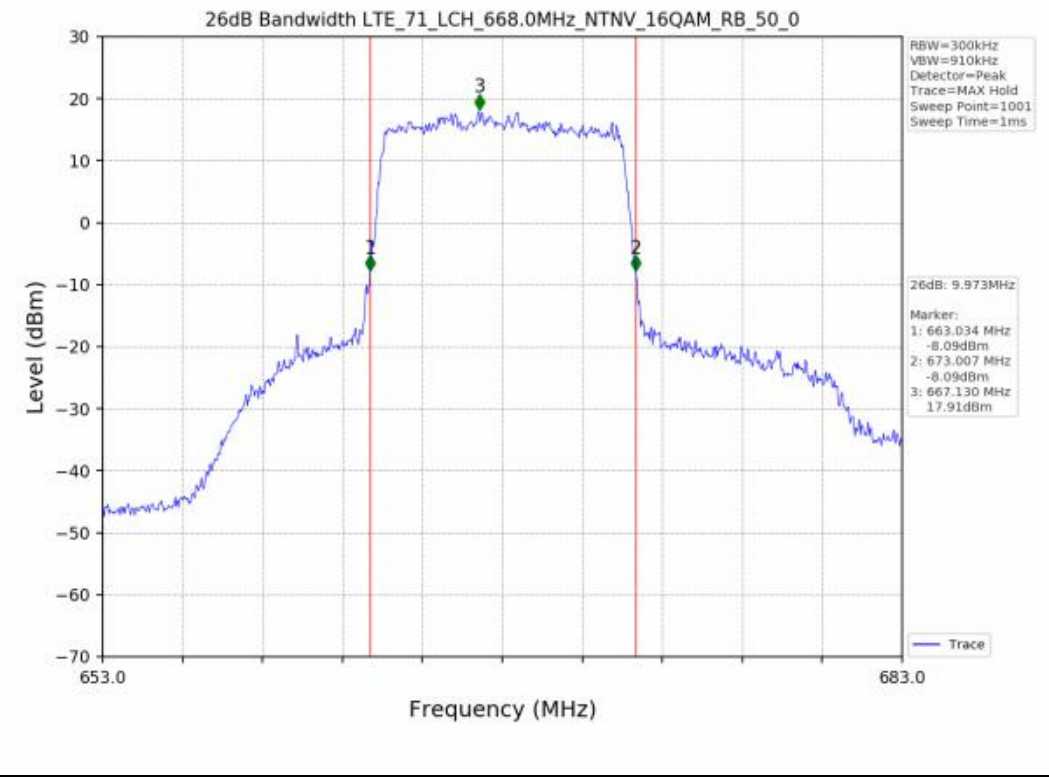

99% Bandwidth LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.041MHz
Marker:
1: 688.534 MHz
10.82dBm
2: 697.574 MHz
12.32dBm
Trace
Level (dBm)
Frequency (MHz)
678.0
708.0

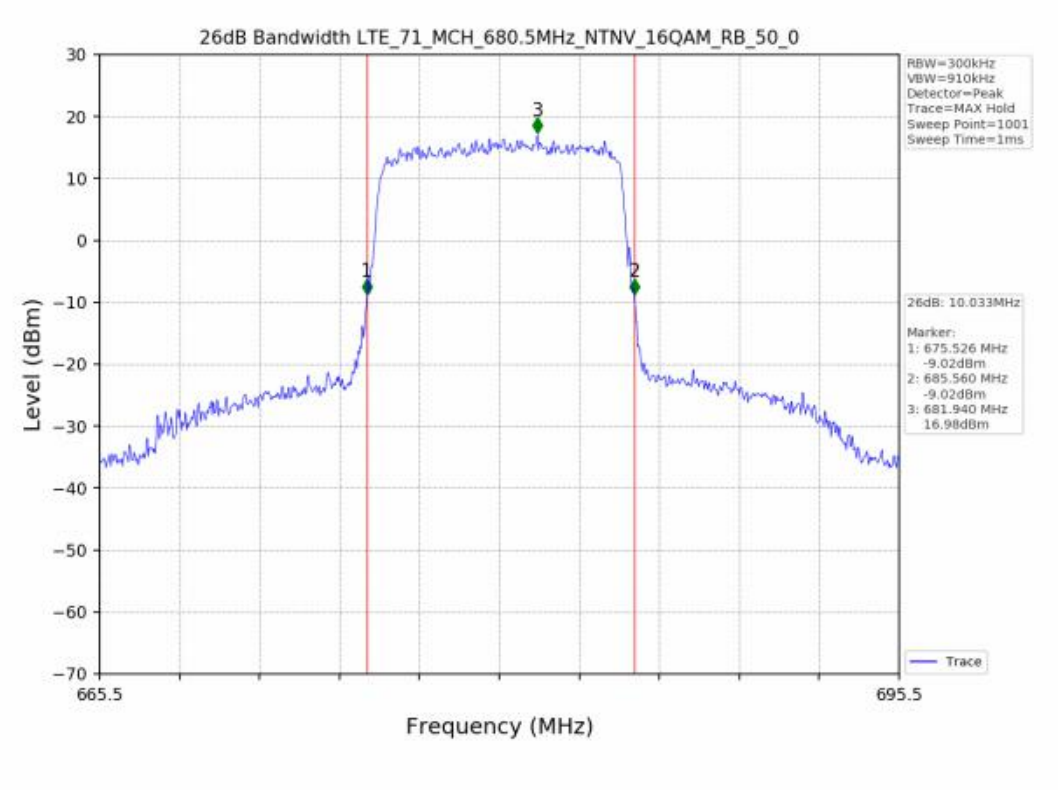

99% Bandwidth LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.060MHz
Marker:
1: 663.486 MHz
14.63dBm
2: 672.546 MHz
10.98dBm
Trace
Level (dBm)
Frequency (MHz)
653.0
683.0

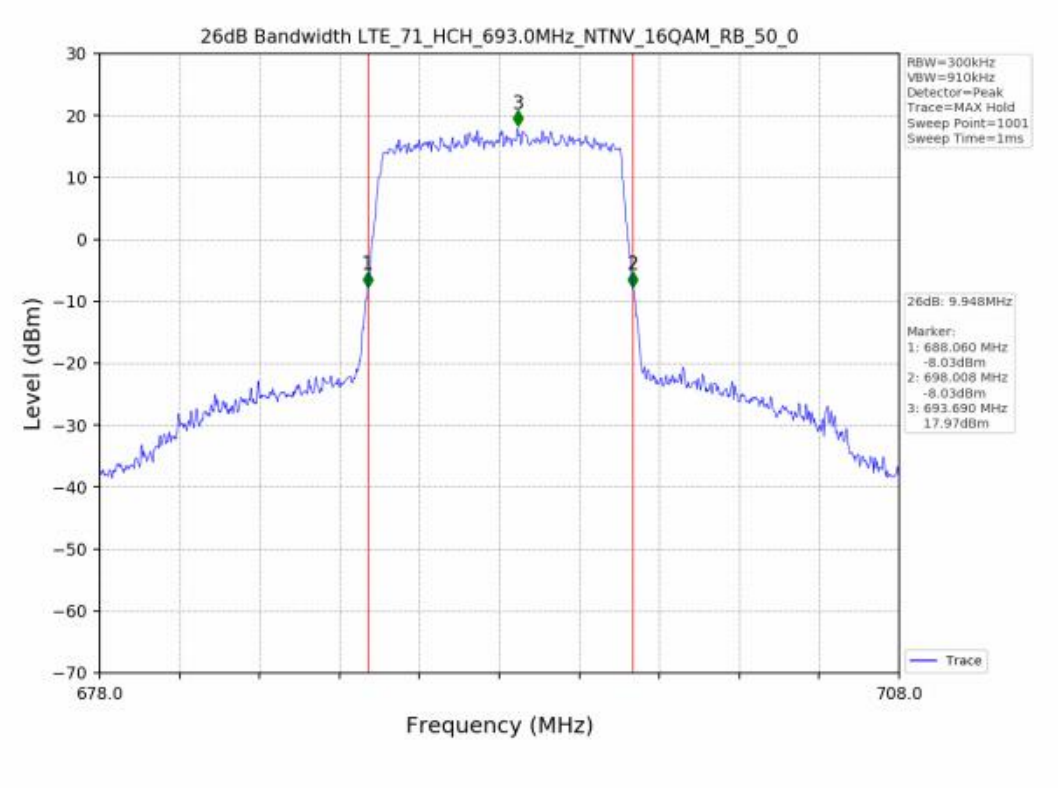

99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 8.990MHz
Marker:
1: 676.052 MHz
12.05dBm
2: 685.042 MHz
10.64dBm
Trace
Level (dBm)
Frequency (MHz)
665.5
695.5

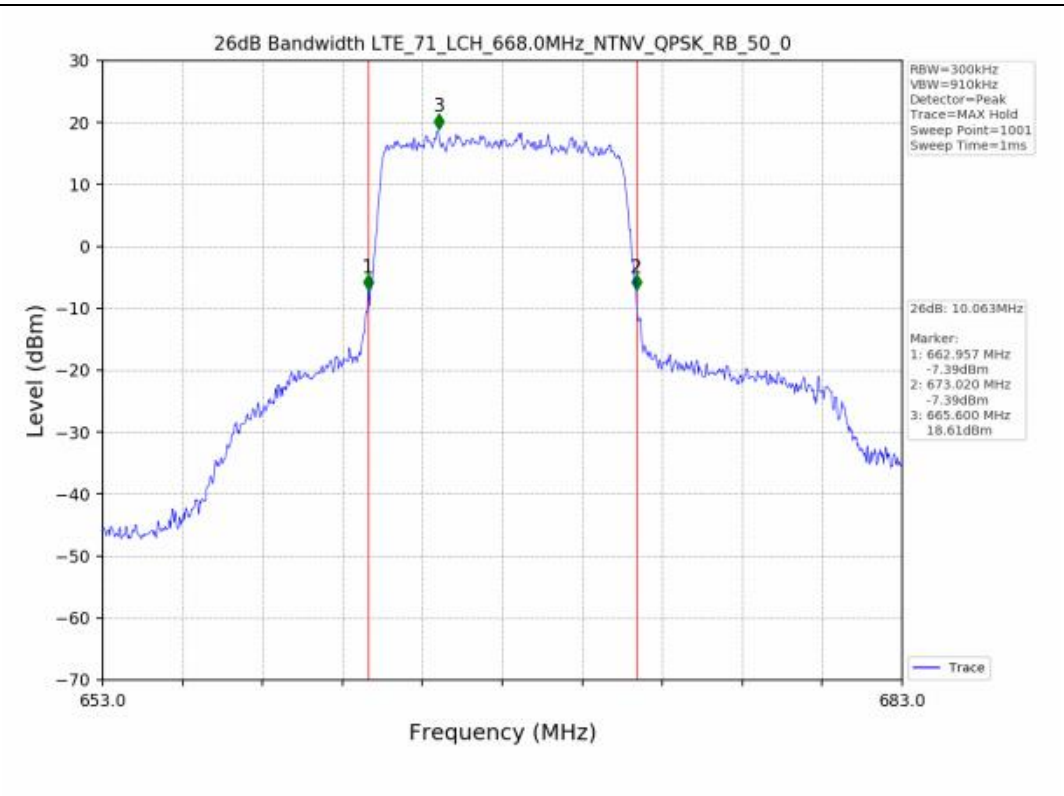

99% Bandwidth LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.027MHz
Marker:
1: 688.543 MHz
12.54dBm
2: 697.570 MHz
12.42dBm
Trace
Level (dBm)
Frequency (MHz)
678.0
708.0

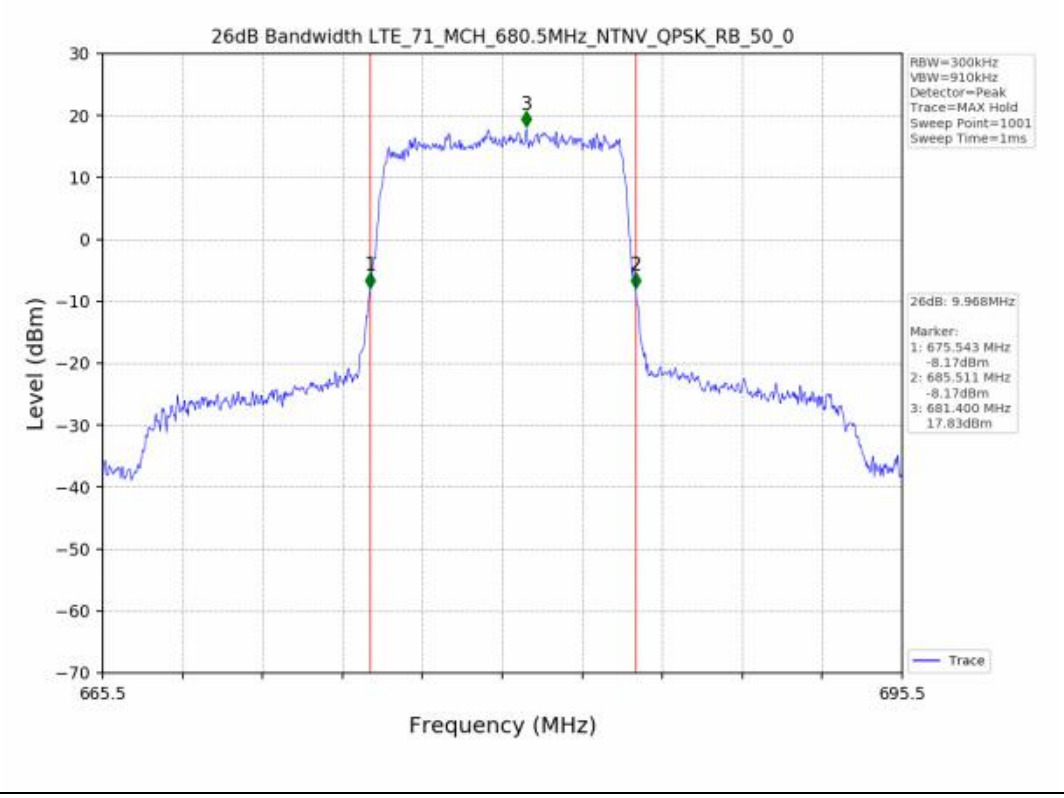
Test Band: 71 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.063	9.968	10.187	N/A	PASS
16QAM	50	0	9.973	10.033	9.948	N/A	PASS

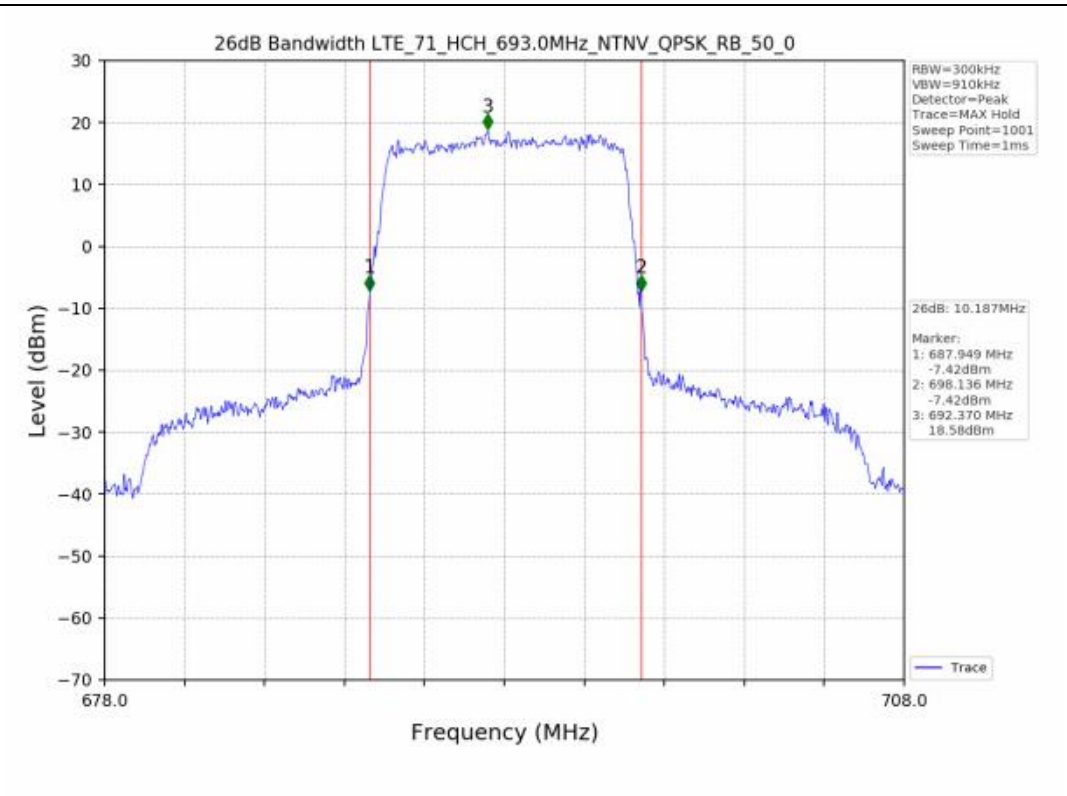



26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.033MHz
Marker:
1: 675.526 MHz
-9.02dBm
2: 685.560 MHz
-9.02dBm
3: 681.940 MHz
16.98dBm
Trace
Level (dBm)
Frequency (MHz)
665.5
695.5

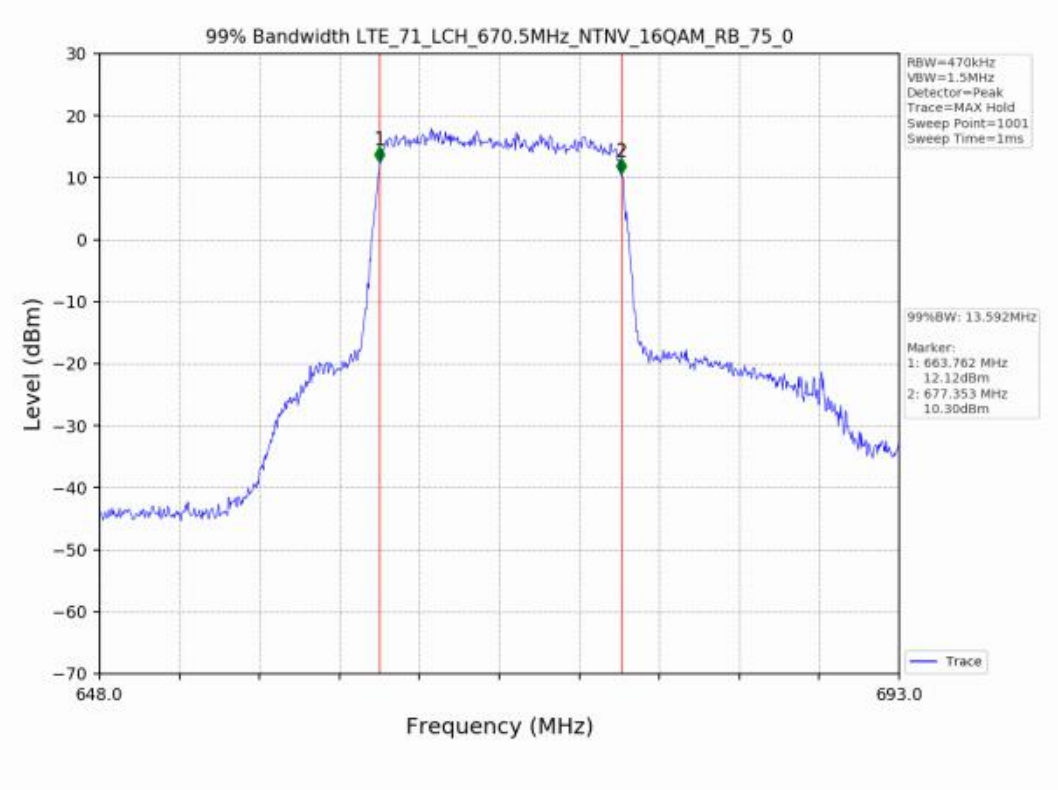

26dB Bandwidth LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.948MHz
Marker:
1: 688.060 MHz
-8.03dBm
2: 698.008 MHz
-8.03dBm
3: 693.690 MHz
17.97dBm
Trace
Level (dBm)
Frequency (MHz)
678.0
708.0

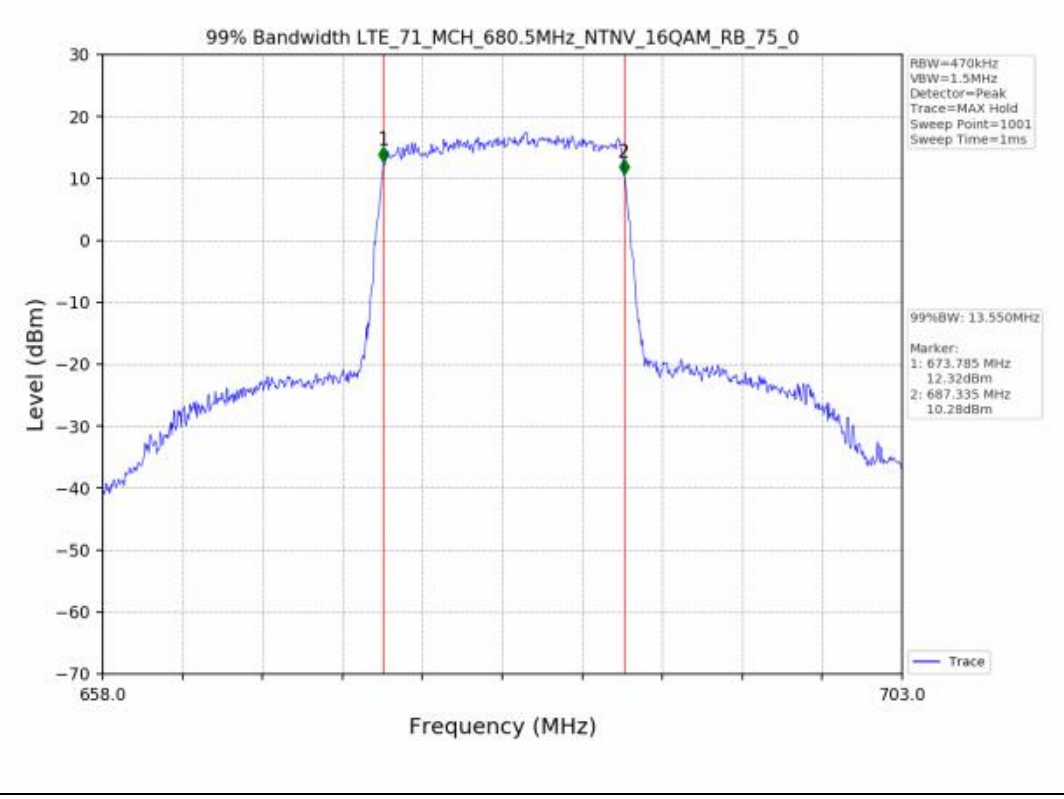

26dB Bandwidth LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.063MHz
Marker:
1: 662.957 MHz
-7.39dBm
2: 673.020 MHz
-7.39dBm
3: 665.600 MHz
18.61dBm
Trace
Level (dBm)
Frequency (MHz)
653.0
683.0

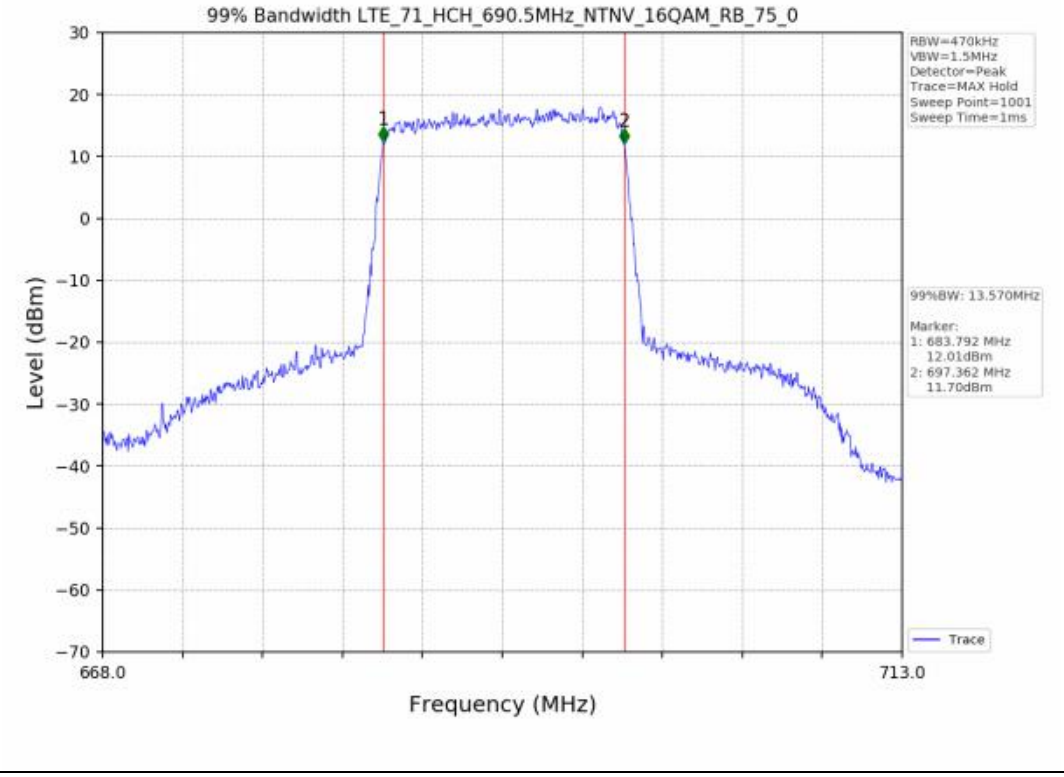

26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.968MHz
Marker:
1: 675.543 MHz
-8.17dBm
2: 685.511 MHz
-8.17dBm
3: 681.400 MHz
17.83dBm
Trace
Level (dBm)
Frequency (MHz)
665.5
695.5

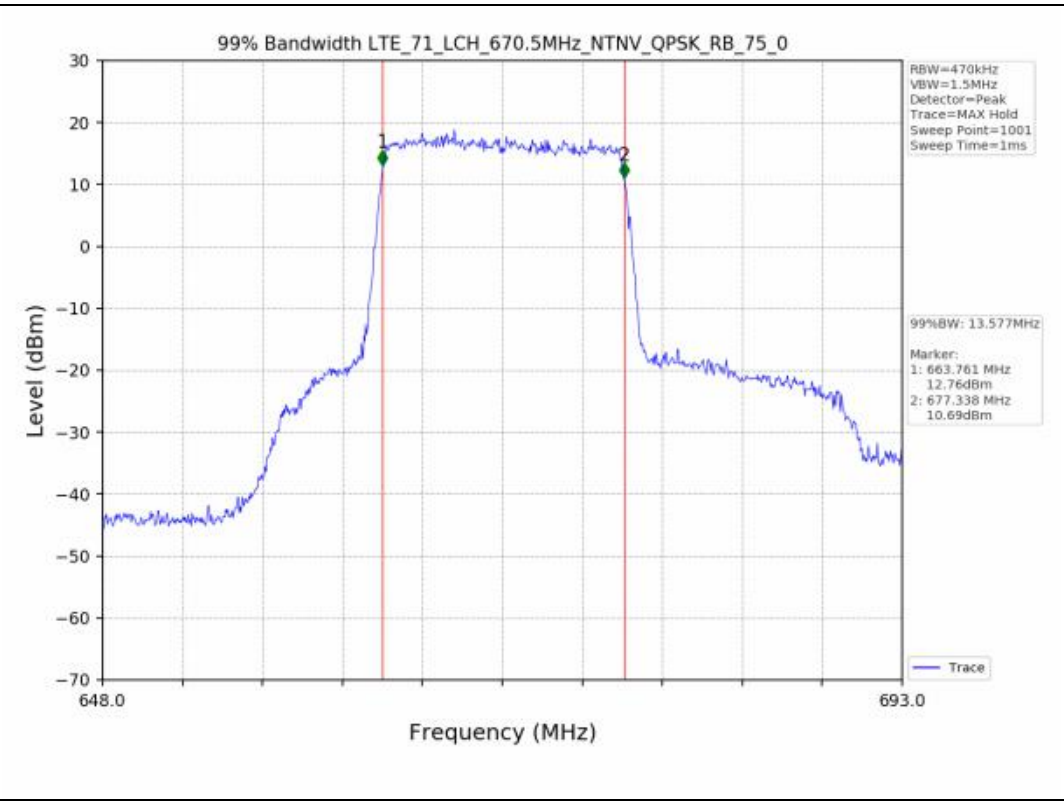

26dB Bandwidth LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.187MHz
Marker:
1: 687.949 MHz
-7.42dBm
2: 698.136 MHz
-7.42dBm
3: 692.370 MHz
18.58dBm
Trace
Level (dBm)
Frequency (MHz)
678.0
708.0

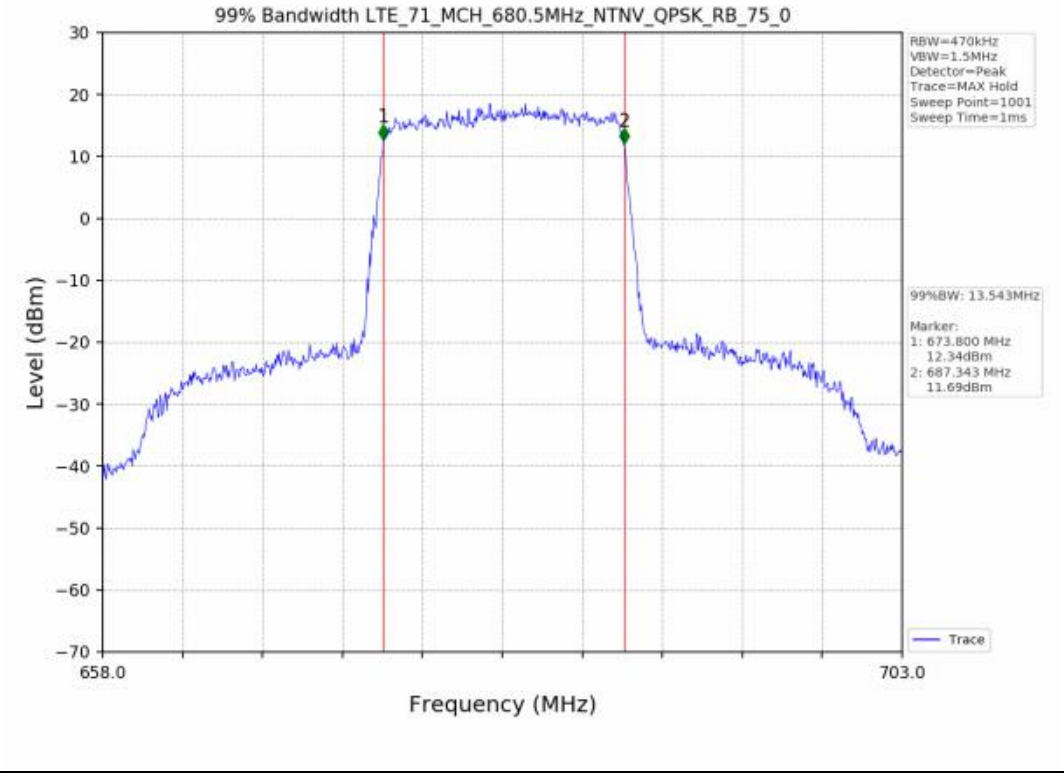
Test Band: 71 _ 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.577	13.543	13.518	N/A	PASS
16QAM	75	0	13.592	13.550	13.570	N/A	PASS

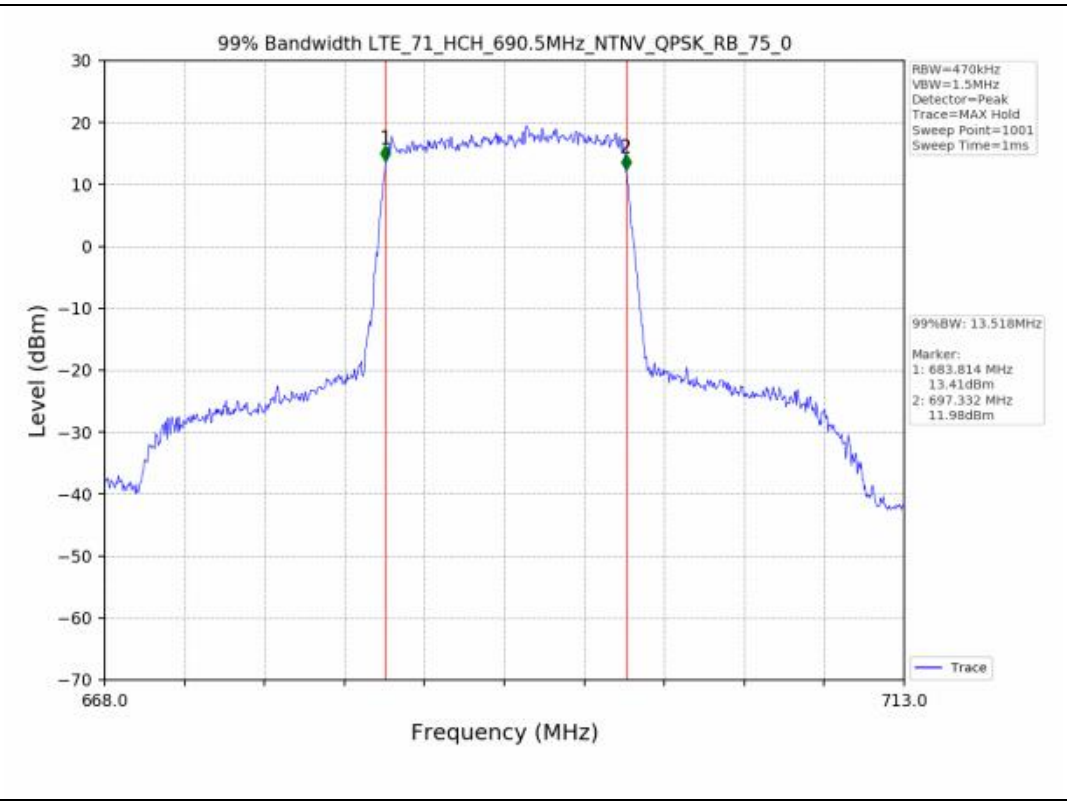



99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.550MHz
Marker:
1: 673.785 MHz
12.32dBm
2: 687.335 MHz
10.28dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
703.0

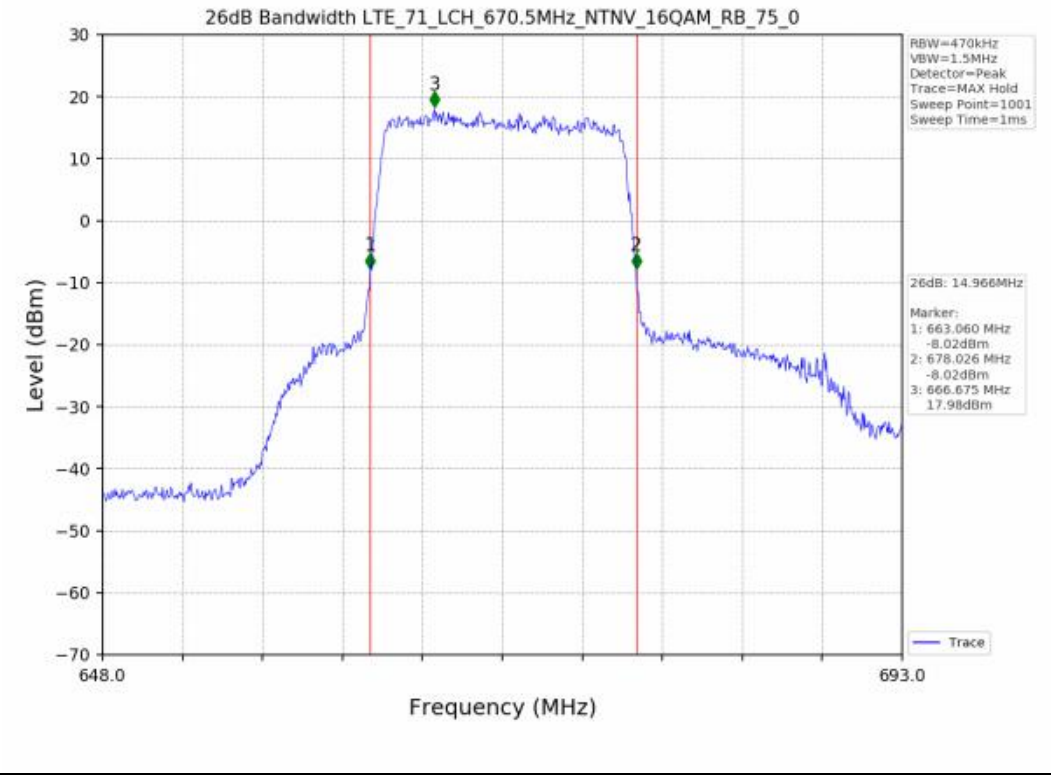

99% Bandwidth LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.570MHz
Marker:
1: 683.792 MHz
12.01dBm
2: 697.362 MHz
11.70dBm
Trace
Level (dBm)
Frequency (MHz)
668.0
713.0

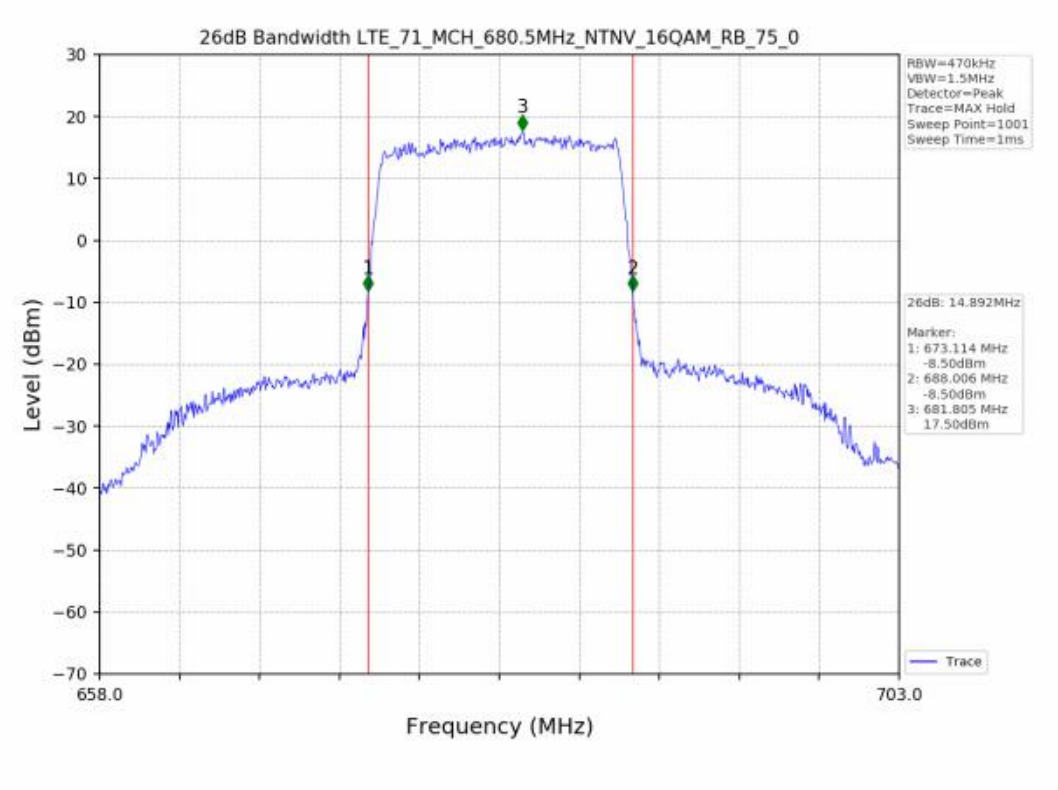

99% Bandwidth LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.577MHz
Marker:
1: 663.761 MHz
12.76dBm
2: 677.338 MHz
10.69dBm
Trace
Level (dBm)
Frequency (MHz)
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
648.0
693.0

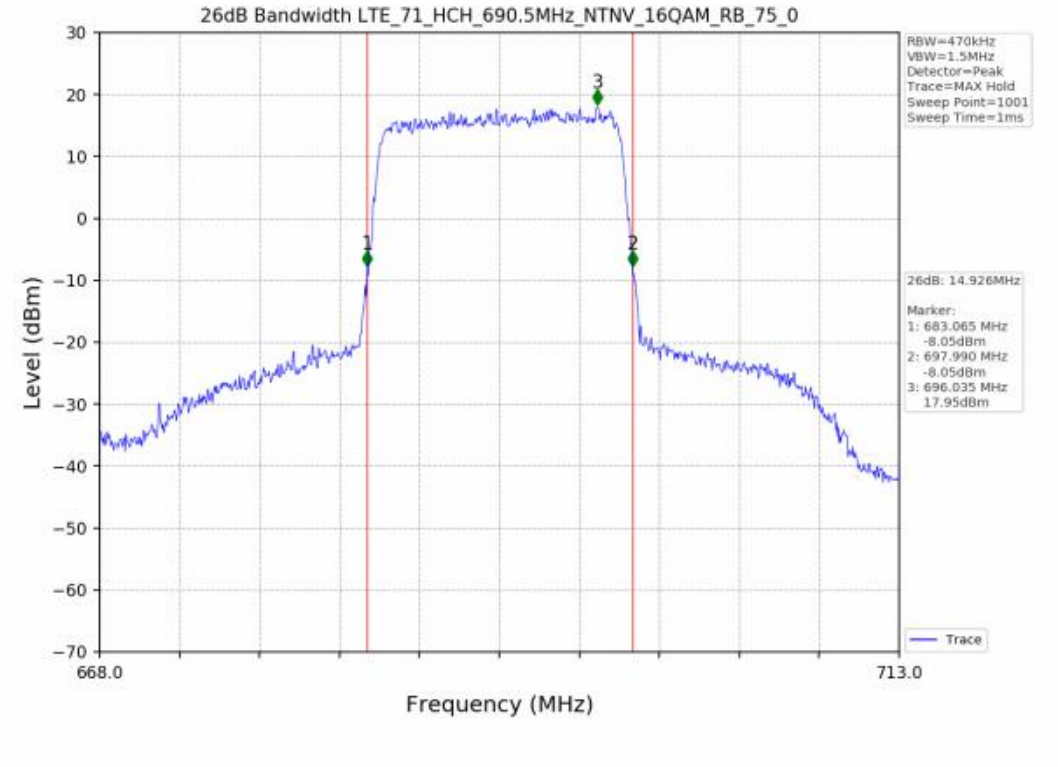

99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.543MHz
Marker:
1: 673.800 MHz
12.34dBm
2: 687.343 MHz
11.69dBm
Trace
Level (dBm)
Frequency (MHz)
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
658.0
703.0

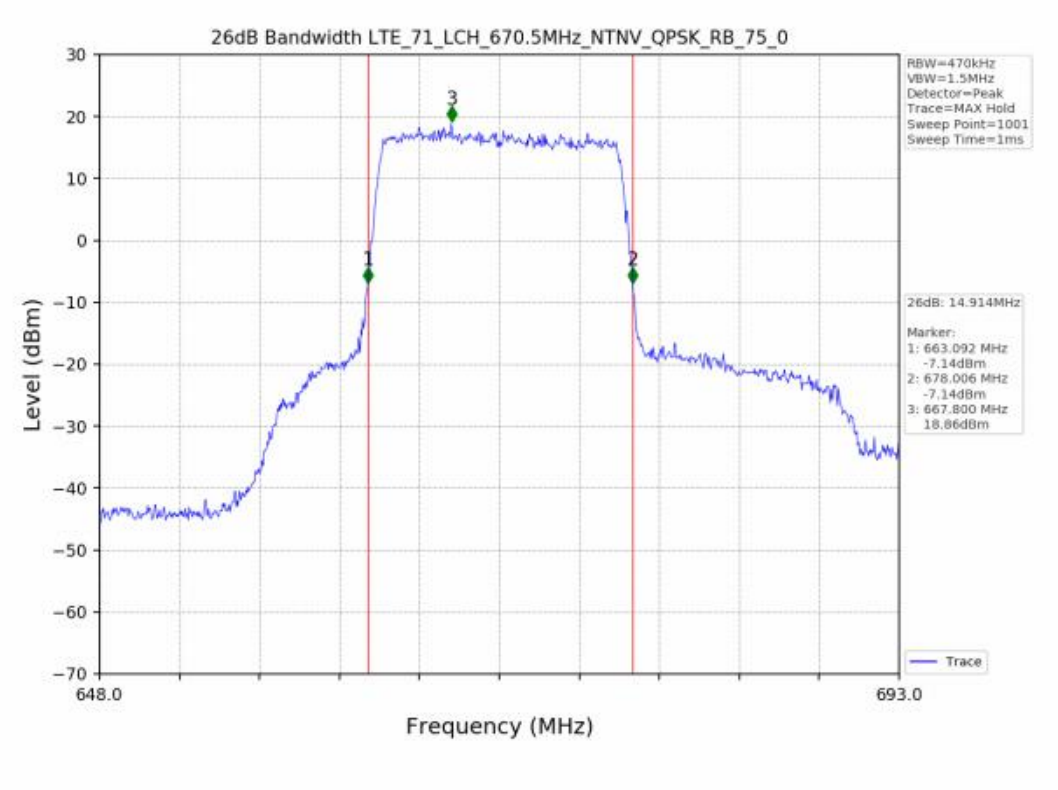

99% Bandwidth LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.518MHz
Marker:
1: 683.814 MHz
13.41dBm
2: 697.332 MHz
11.98dBm
Trace
Level (dBm)
Frequency (MHz)
668.0
713.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

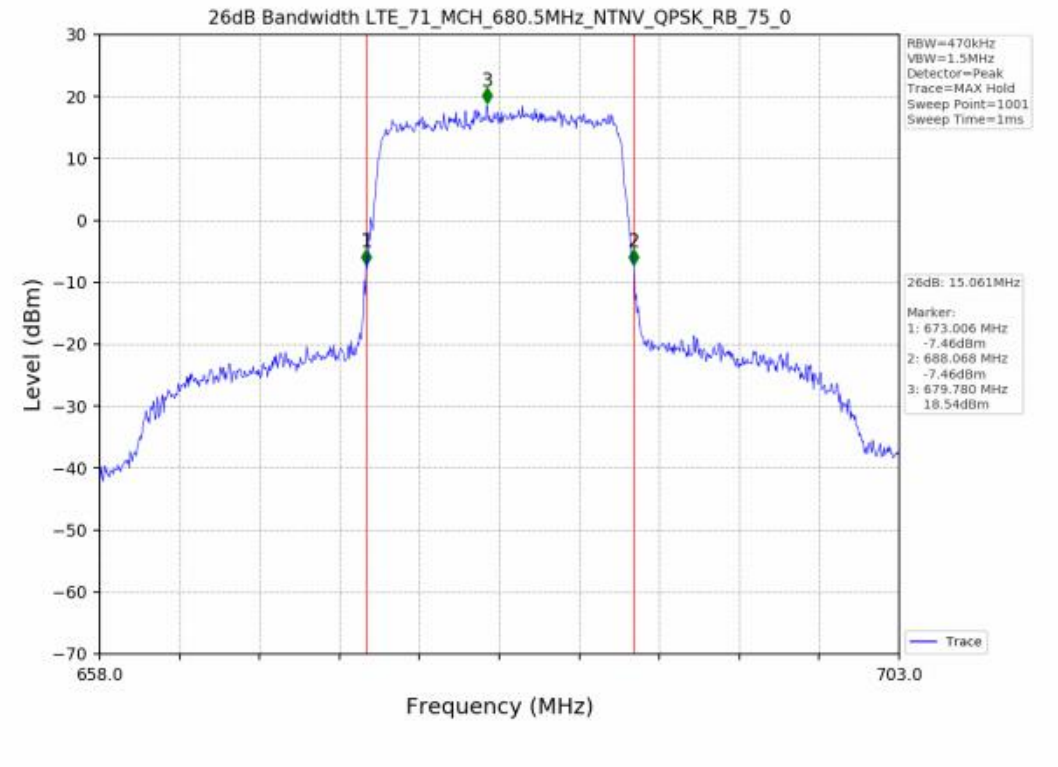
Test Band: 71 _ 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	14.914	15.061	14.872	N/A	PASS
16QAM	75	0	14.966	14.892	14.926	N/A	PASS

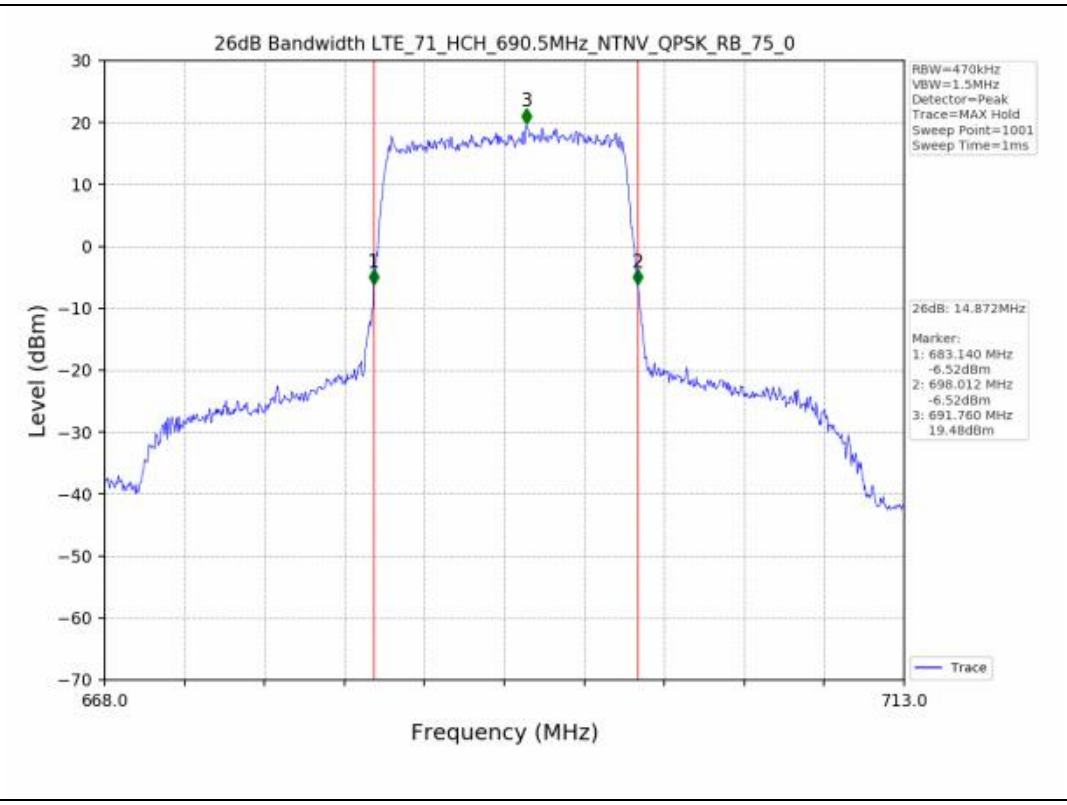



26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.892MHz
Marker:
1: 673.114 MHz
-8.50dBm
2: 688.006 MHz
-8.50dBm
3: 681.805 MHz
17.50dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
703.0

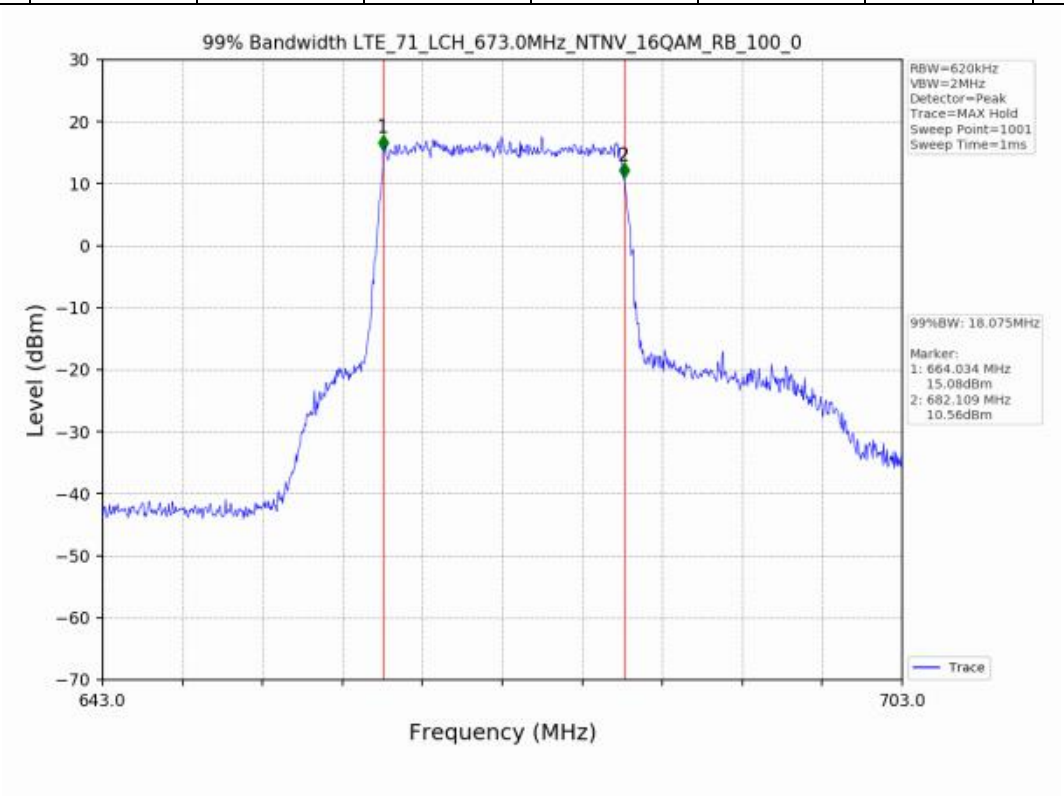

26dB Bandwidth LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.926MHz
Marker:
1: 683.065 MHz
-8.05dBm
2: 697.990 MHz
-8.05dBm
3: 696.035 MHz
17.95dBm
Trace
Level (dBm)
Frequency (MHz)
668.0
713.0

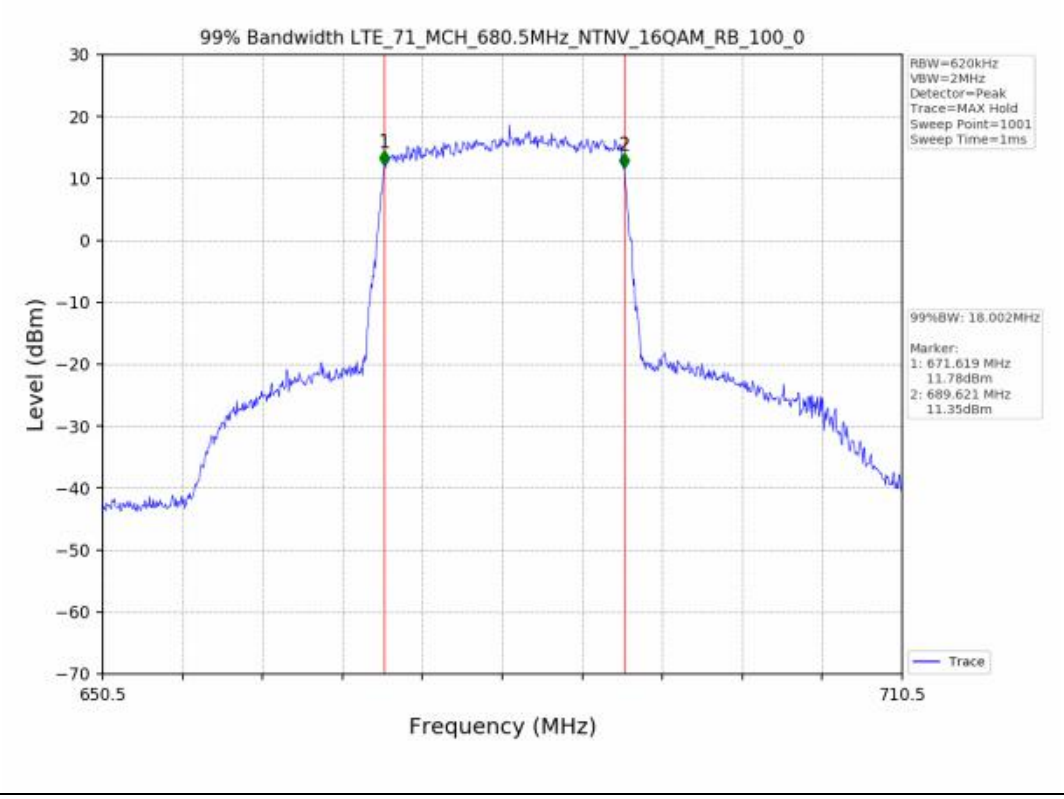

26dB Bandwidth LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.914MHz
Marker:
1: 663.092 MHz
-7.14dBm
2: 678.006 MHz
-7.14dBm
3: 667.800 MHz
18.86dBm
Trace
Level (dBm)
Frequency (MHz)
648.0
693.0

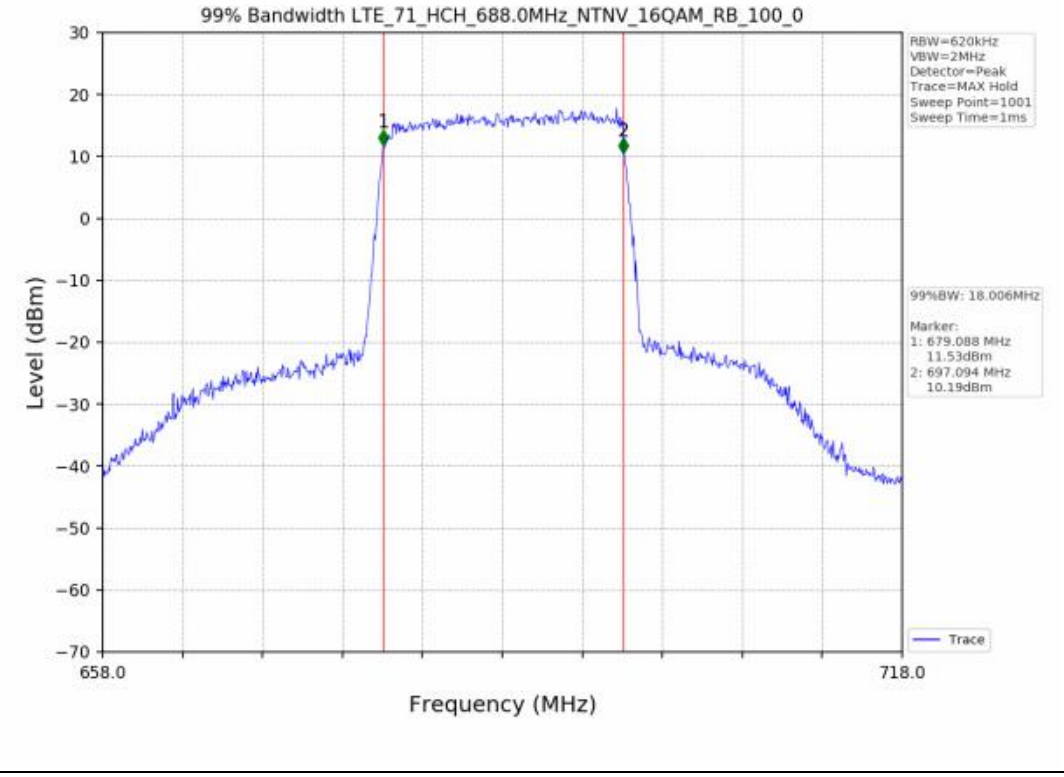

26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 15.061MHz
Marker:
1: 673.006 MHz
-7.46dBm
2: 688.068 MHz
-7.46dBm
3: 679.780 MHz
18.54dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
703.0

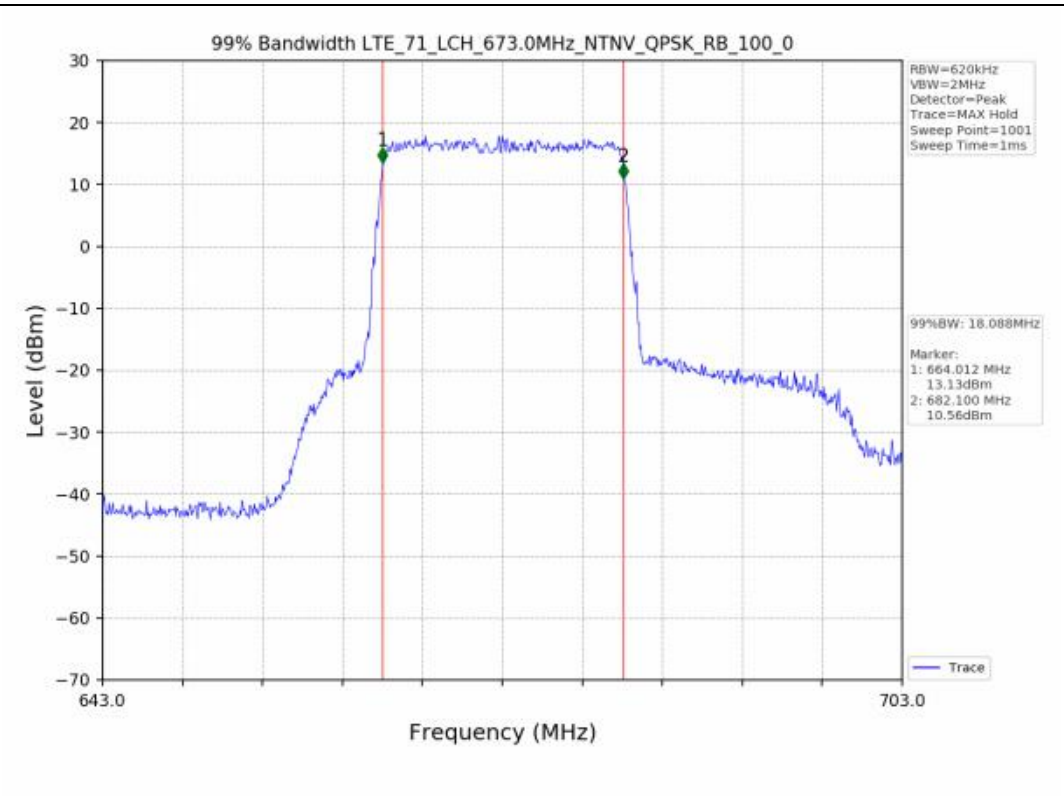

26dB Bandwidth LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.872MHz
Marker:
1: 683.140 MHz
-6.52dBm
2: 698.012 MHz
-6.52dBm
3: 691.760 MHz
19.48dBm
Trace
Level (dBm)
Frequency (MHz)
668.0
713.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

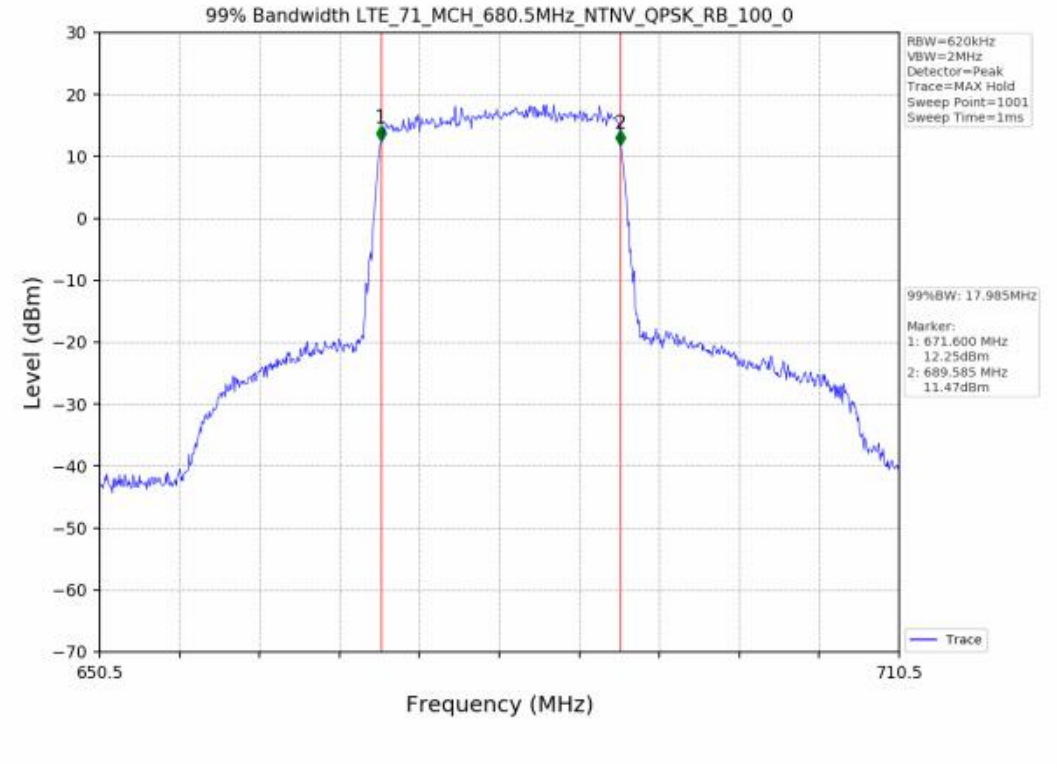
Test Band: 71 _ 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.088	17.985	18.012	N/A	PASS
16QAM	100	0	18.075	18.002	18.006	N/A	PASS

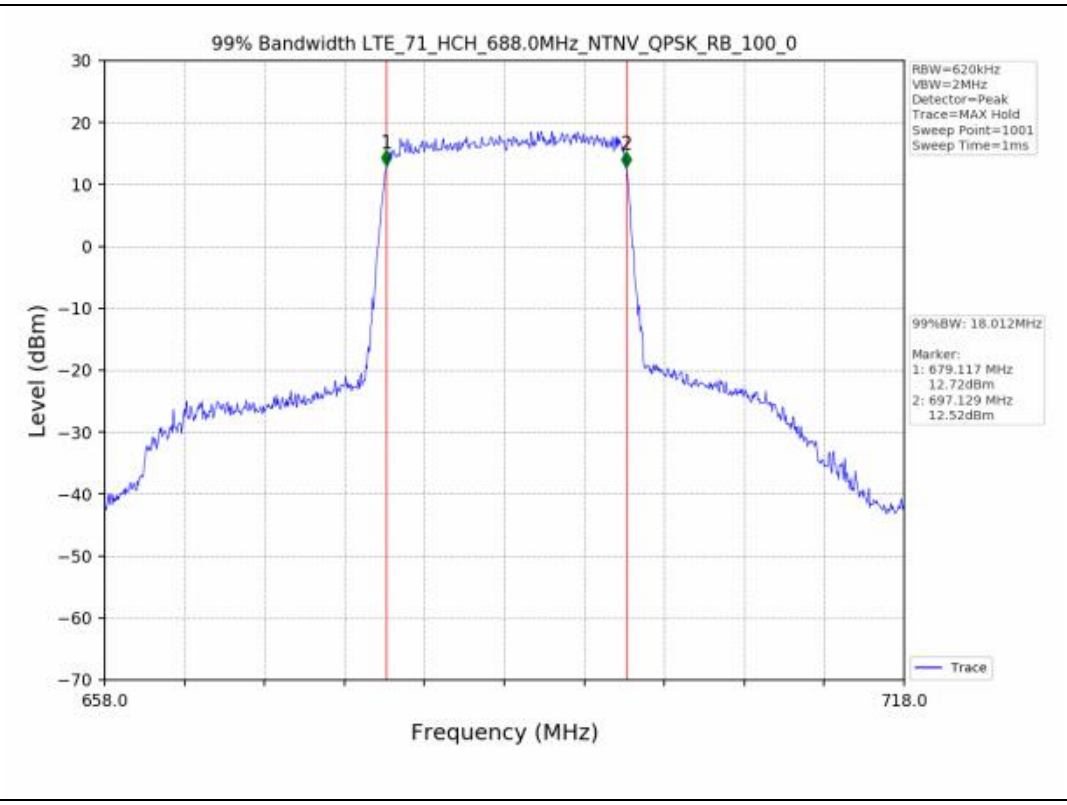



99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.002MHz
Marker:
1: 671.619 MHz
11.78dBm
2: 689.621 MHz
11.35dBm
Trace
Level (dBm)
Frequency (MHz)
650.5
710.5

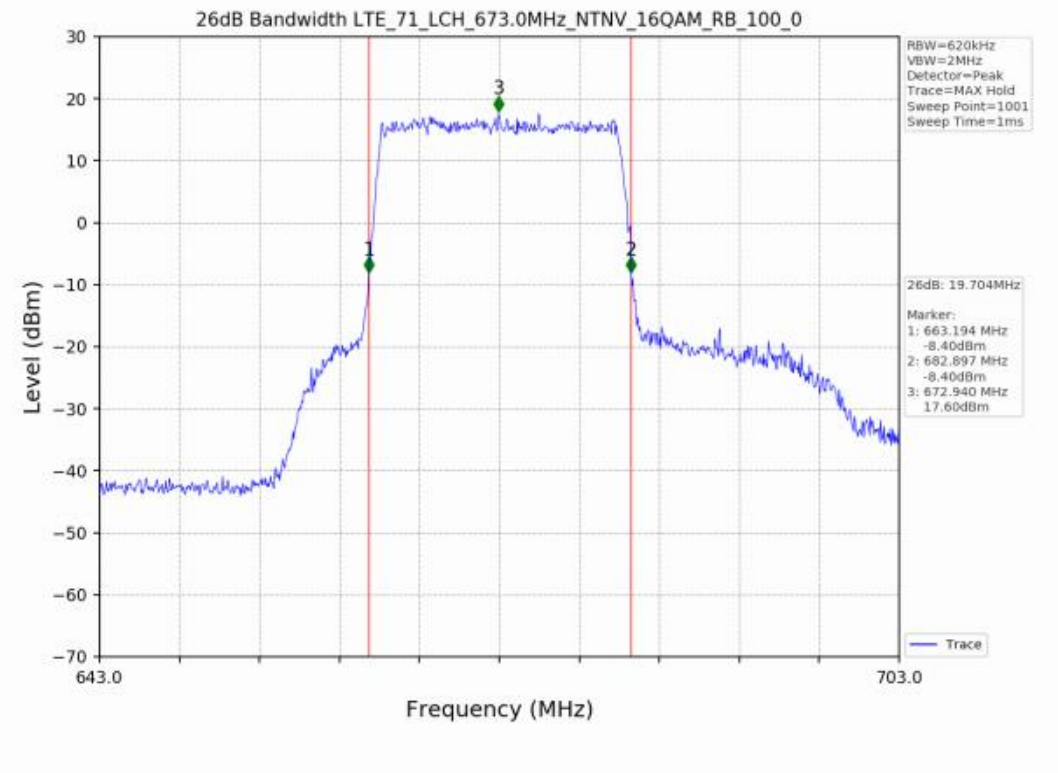

99% Bandwidth LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.006MHz
Marker:
1: 679.088 MHz
11.53dBm
2: 697.094 MHz
10.19dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
718.0

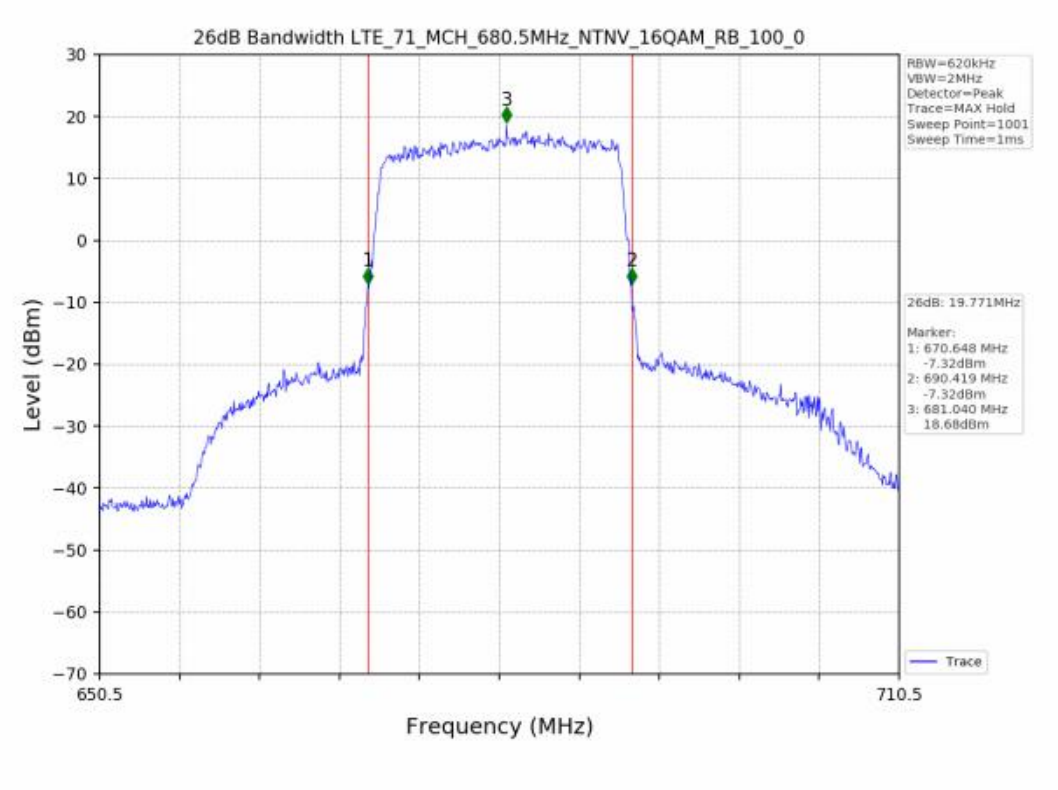

99% Bandwidth LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.088MHz
Marker:
1: 664.012 MHz
13.13dBm
2: 682.100 MHz
10.56dBm
Trace
Level (dBm)
Frequency (MHz)
643.0
703.0

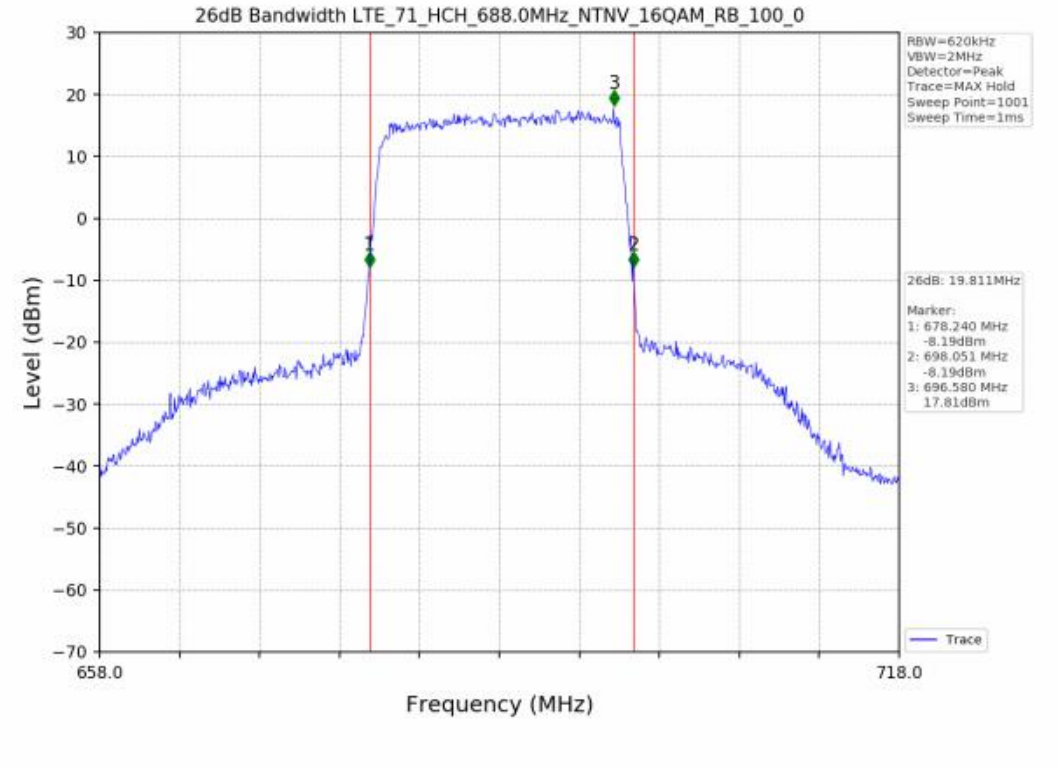

99% Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 17.985MHz
Marker:
1: 671.600 MHz
12.25dBm
2: 689.585 MHz
11.47dBm
Trace
Level (dBm)
Frequency (MHz)
650.5
710.5

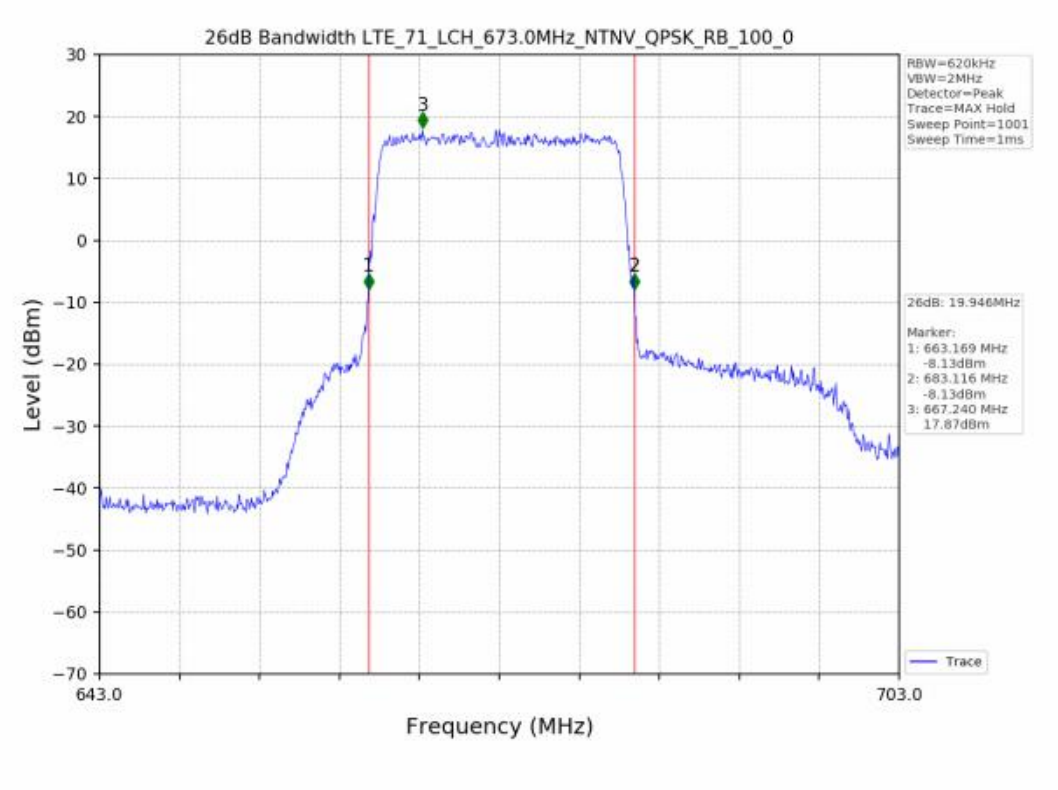

99% Bandwidth LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.012MHz
Marker:
1: 679.117 MHz
12.72dBm
2: 697.129 MHz
12.52dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
718.0

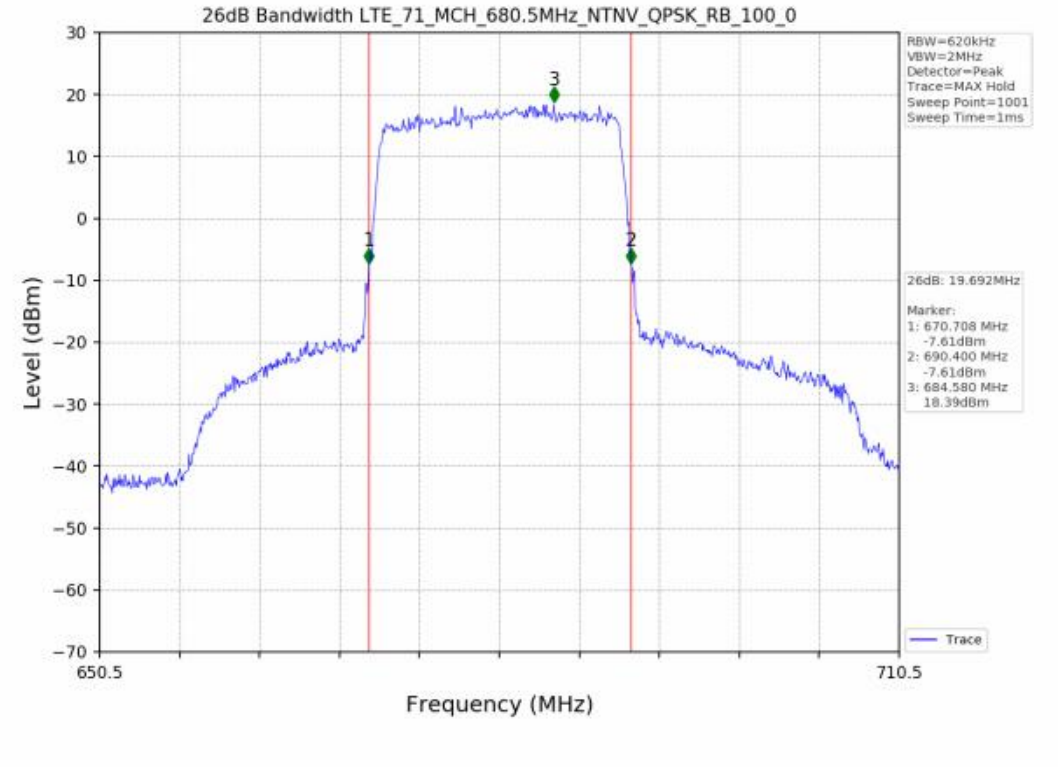
Test Band: 71 _ 20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.946	19.692	19.661	N/A	PASS
16QAM	100	0	19.704	19.771	19.811	N/A	PASS

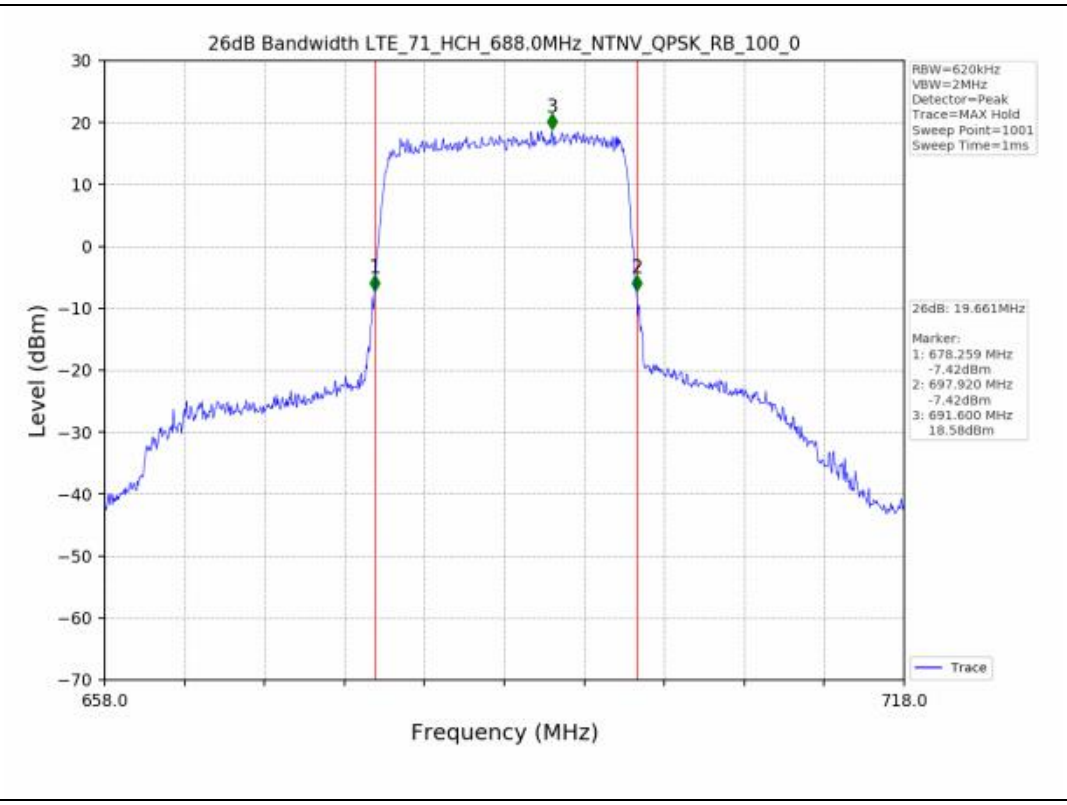



26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.771MHz
Marker:
1: 670.648 MHz
-7.32dBm
2: 690.419 MHz
-7.32dBm
3: 681.040 MHz
18.68dBm
Trace
Level (dBm)
Frequency (MHz)
650.5
710.5


26dB Bandwidth LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.811MHz
Marker:
1: 678.240 MHz
-8.19dBm
2: 698.051 MHz
-8.19dBm
3: 696.580 MHz
17.81dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
718.0


26dB Bandwidth LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.946MHz
Marker:
1: 663.169 MHz
-8.13dBm
2: 683.116 MHz
-8.13dBm
3: 667.240 MHz
17.87dBm
Trace
Level (dBm)
Frequency (MHz)
643.0
703.0

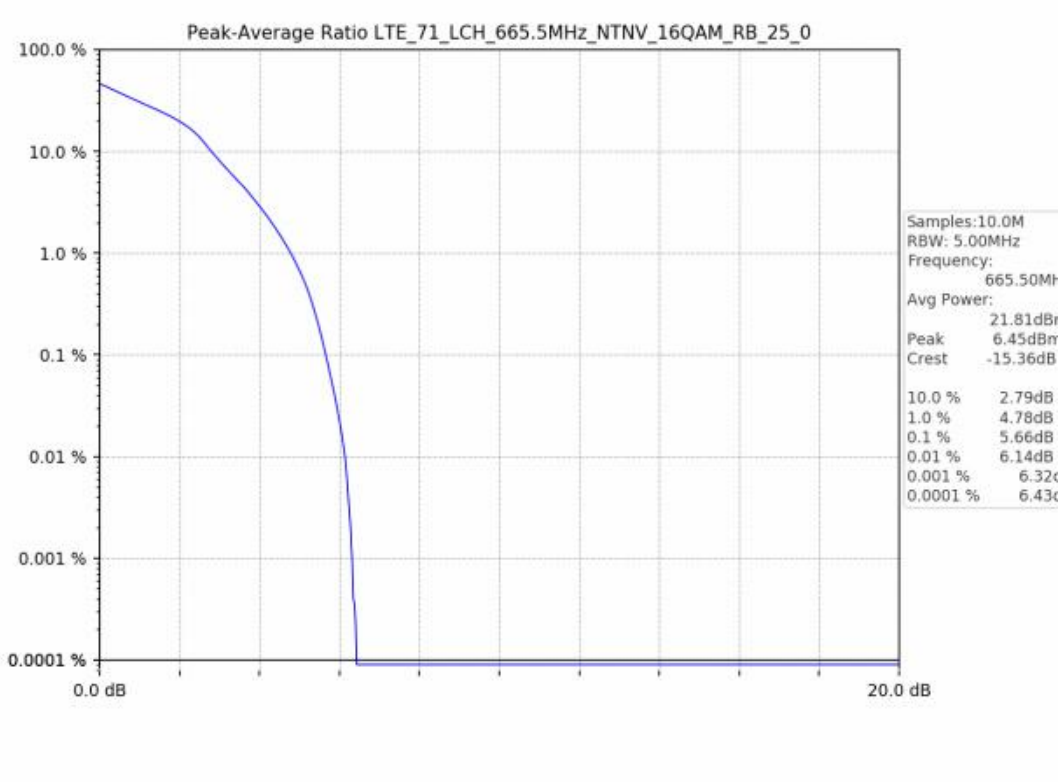

26dB Bandwidth LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.692MHz
Marker:
1: 670.708 MHz
-7.61dBm
2: 690.400 MHz
-7.61dBm
3: 684.580 MHz
18.39dBm
Trace
Level (dBm)
Frequency (MHz)
650.5
710.5

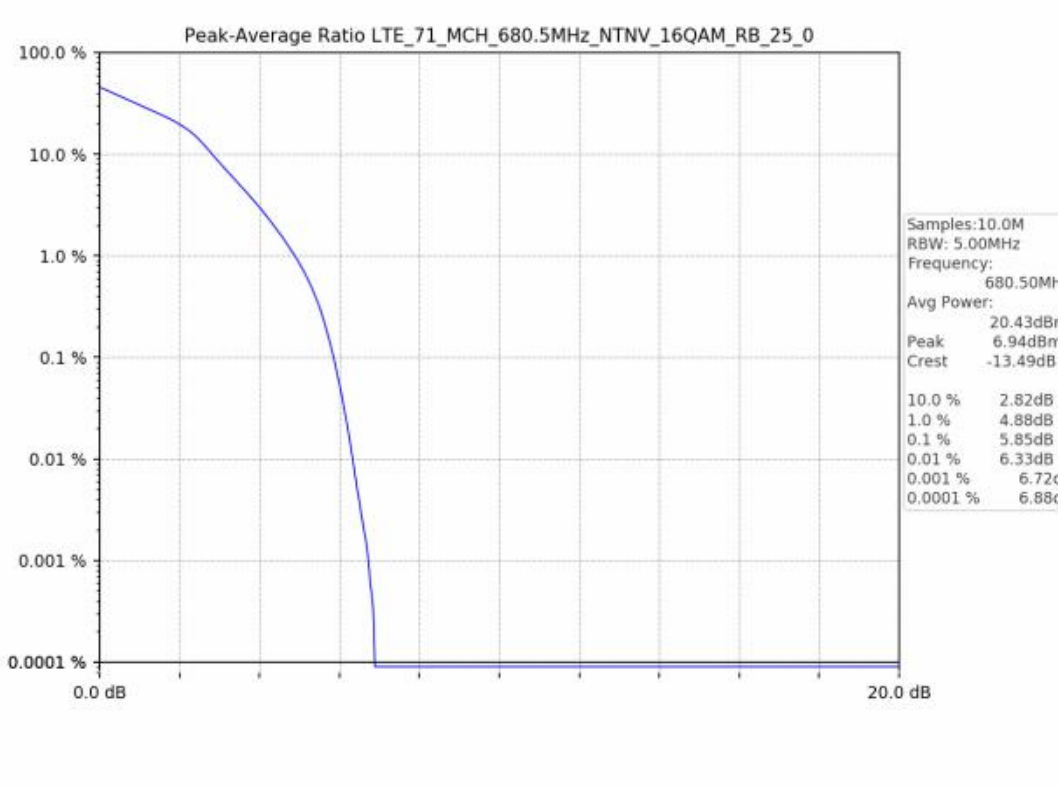

26dB Bandwidth LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.661MHz
Marker:
1: 678.259 MHz
-7.42dBm
2: 697.920 MHz
-7.42dBm
3: 691.600 MHz
18.58dBm
Trace
Level (dBm)
Frequency (MHz)
658.0
718.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

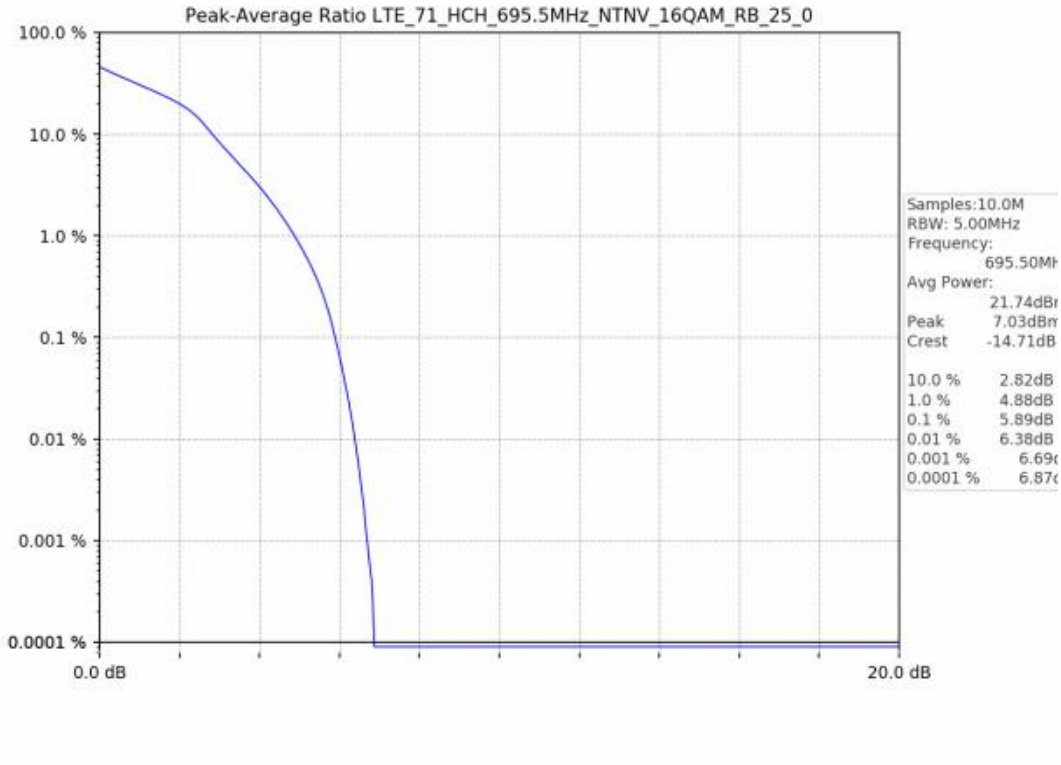
K4. Peak-Average Ratio

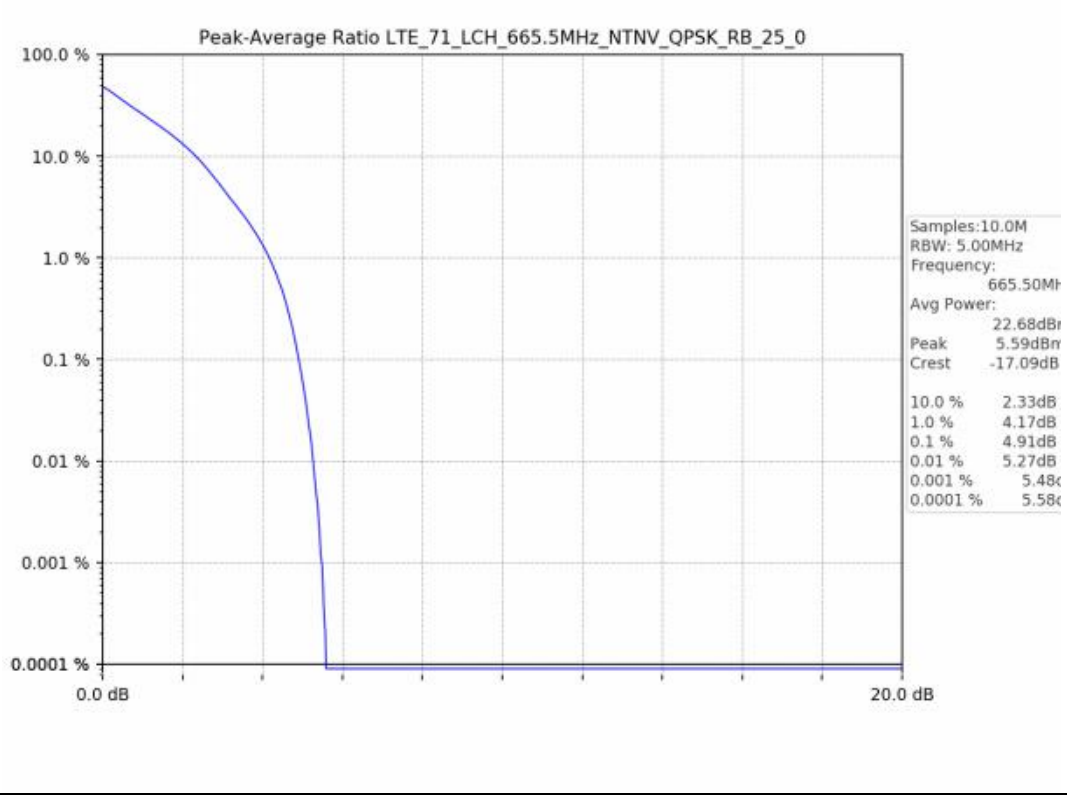
K4.1 Test Result

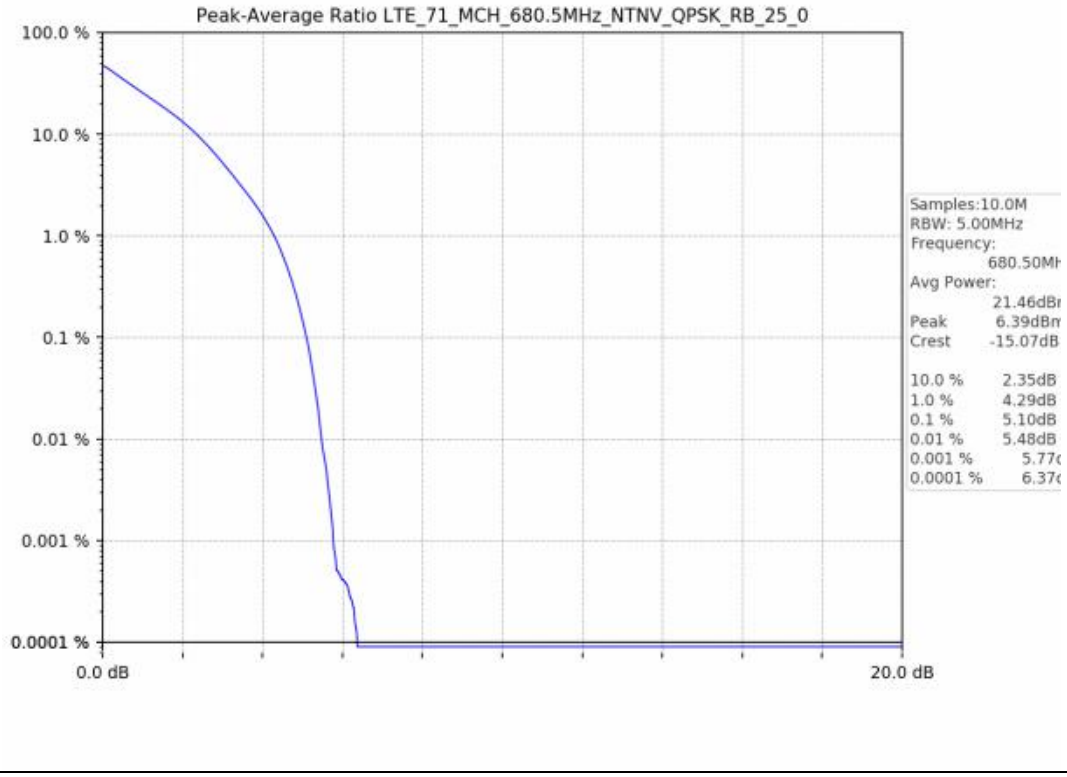
Test Band: 71 _ 5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.91	5.10	5.13	13	PASS
16QAM	25	0	5.66	5.85	5.89	13	PASS

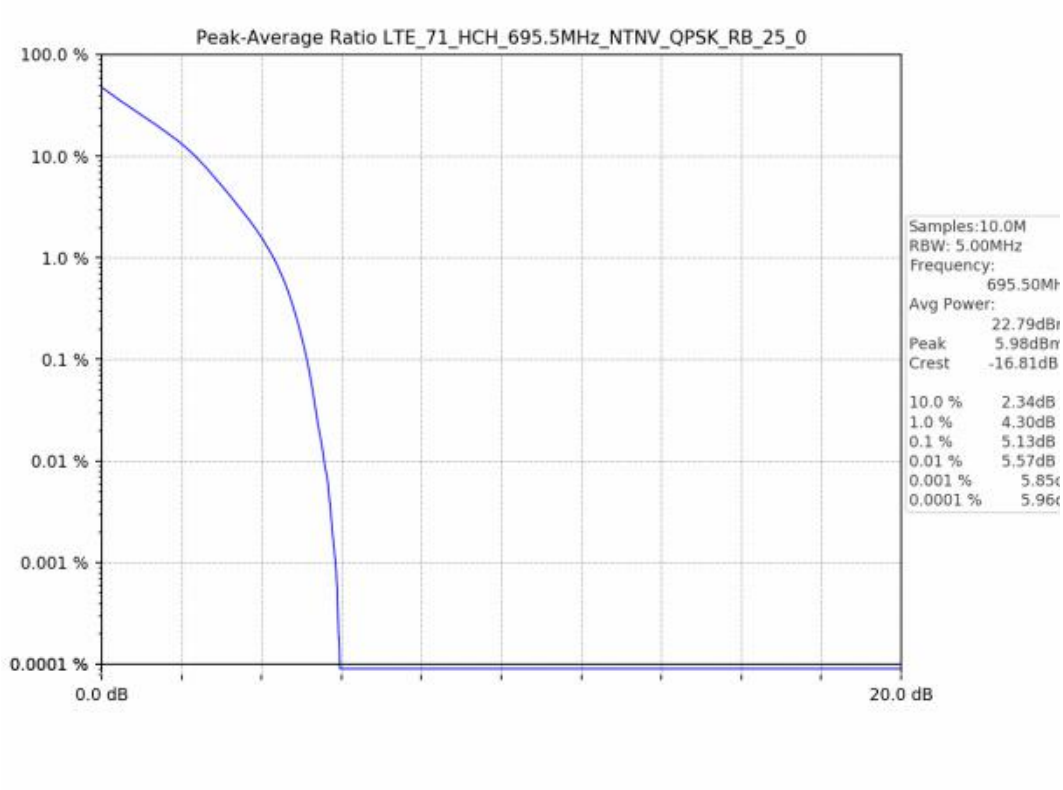



Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
20.43dBr
Peak 6.94dBr
Crest -13.49dB
10.0 % 2.82dB
1.0 % 4.88dB
0.1 % 5.85dB
0.01 % 6.33dB
0.001 % 6.72
0.0001 % 6.88

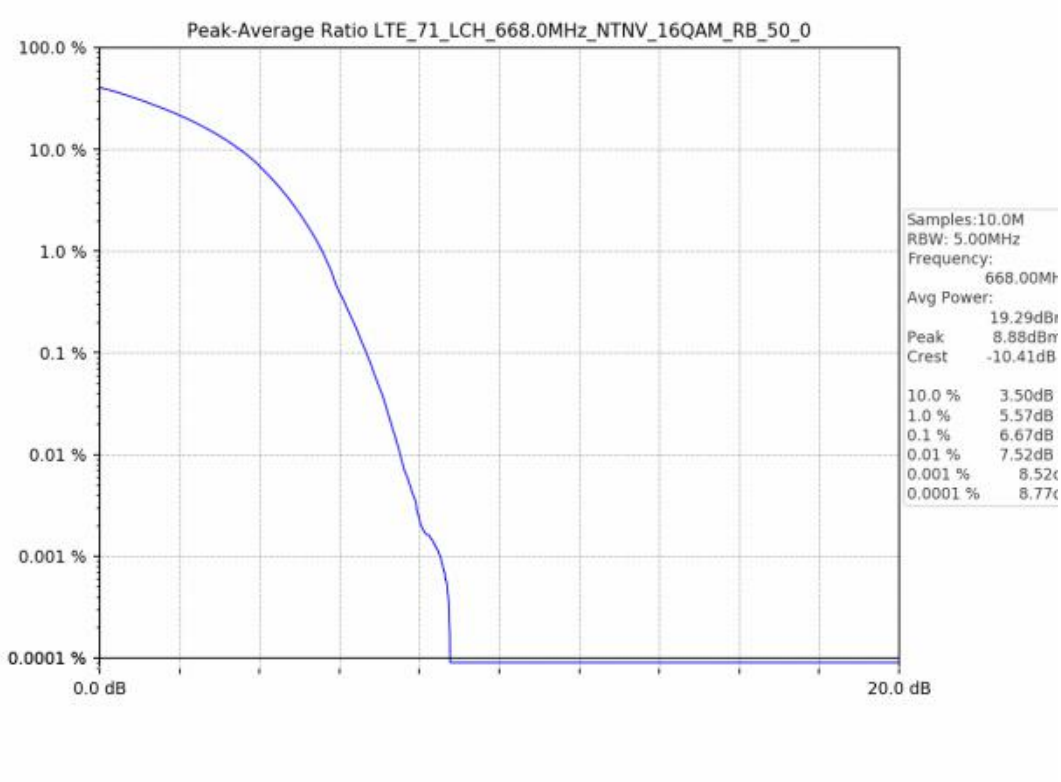

Peak-Average Ratio LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
695.50MH
Avg Power:
21.74dBr
Peak 7.03dBr
Crest -14.71dB
10.0 % 2.82dB
1.0 % 4.88dB
0.1 % 5.89dB
0.01 % 6.38dB
0.001 % 6.69
0.0001 % 6.87

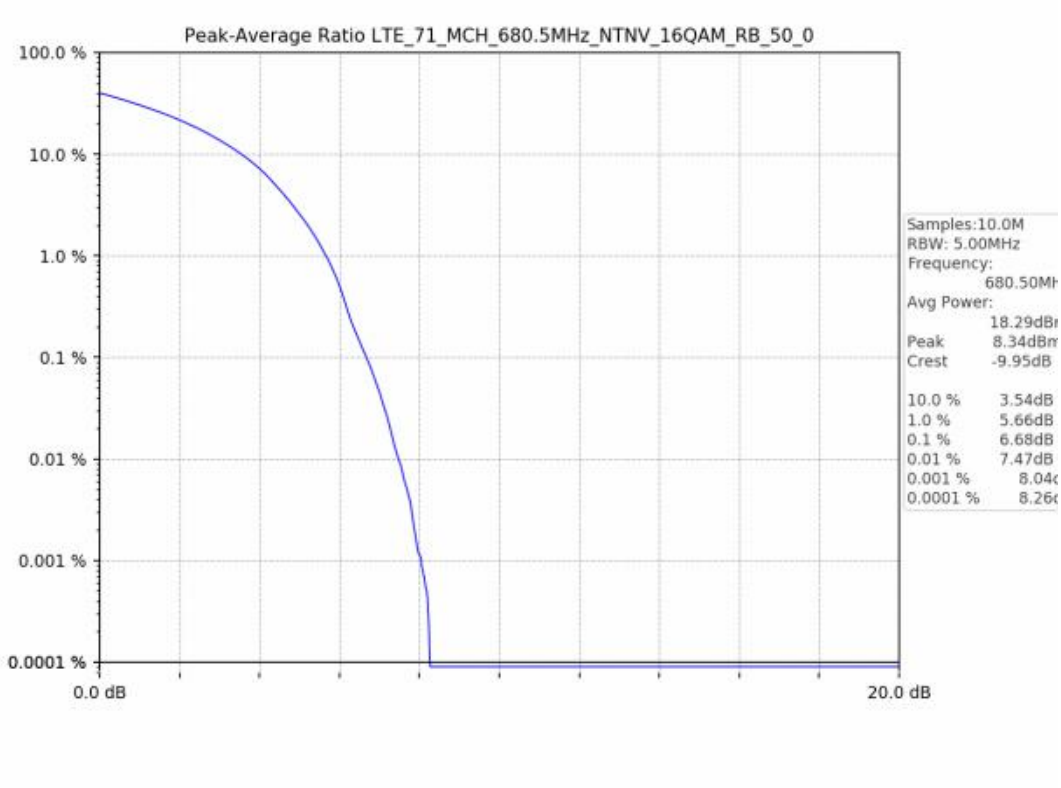

Peak-Average Ratio LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
665.50MH
Avg Power:
22.68dBr
Peak 5.59dBr
Crest -17.09dB
10.0 % 2.33dB
1.0 % 4.17dB
0.1 % 4.91dB
0.01 % 5.27dB
0.001 % 5.48
0.0001 % 5.58

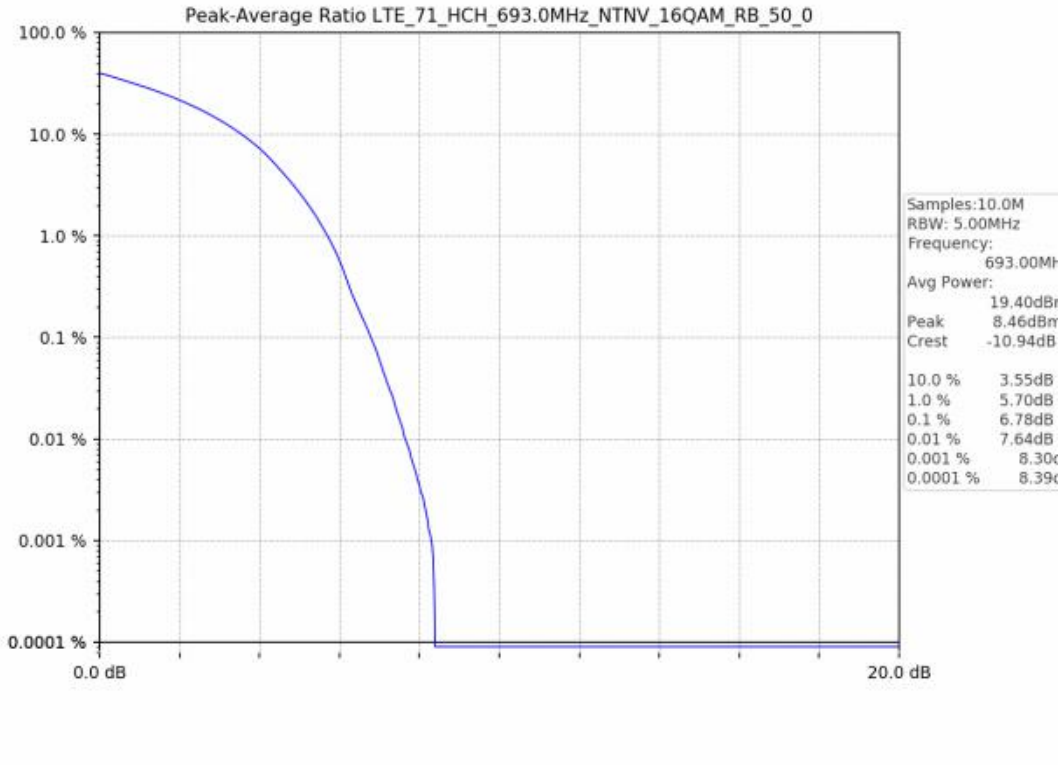

Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
21.46dBr
Peak 6.39dBr
Crest -15.07dB
10.0 % 2.35dB
1.0 % 4.29dB
0.1 % 5.10dB
0.01 % 5.48dB
0.001 % 5.77
0.0001 % 6.37


Peak-Average Ratio LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
695.50MH
Avg Power:
22.79dBr
Peak 5.98dBr
Crest -16.81dB
10.0 % 2.34dB
1.0 % 4.30dB
0.1 % 5.13dB
0.01 % 5.57dB
0.001 % 5.85
0.0001 % 5.96

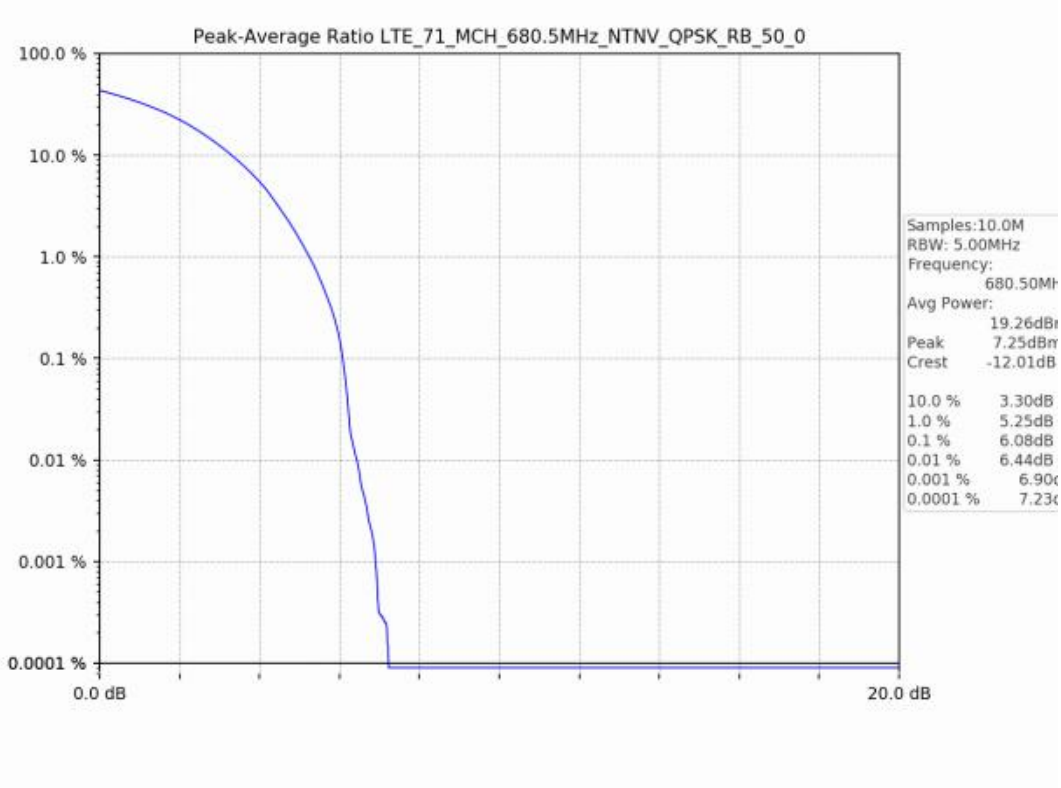
Test Band: 71 _ 10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	5.93	6.08	6.11	13	PASS
16QAM	50	0	6.67	6.68	6.78	13	PASS

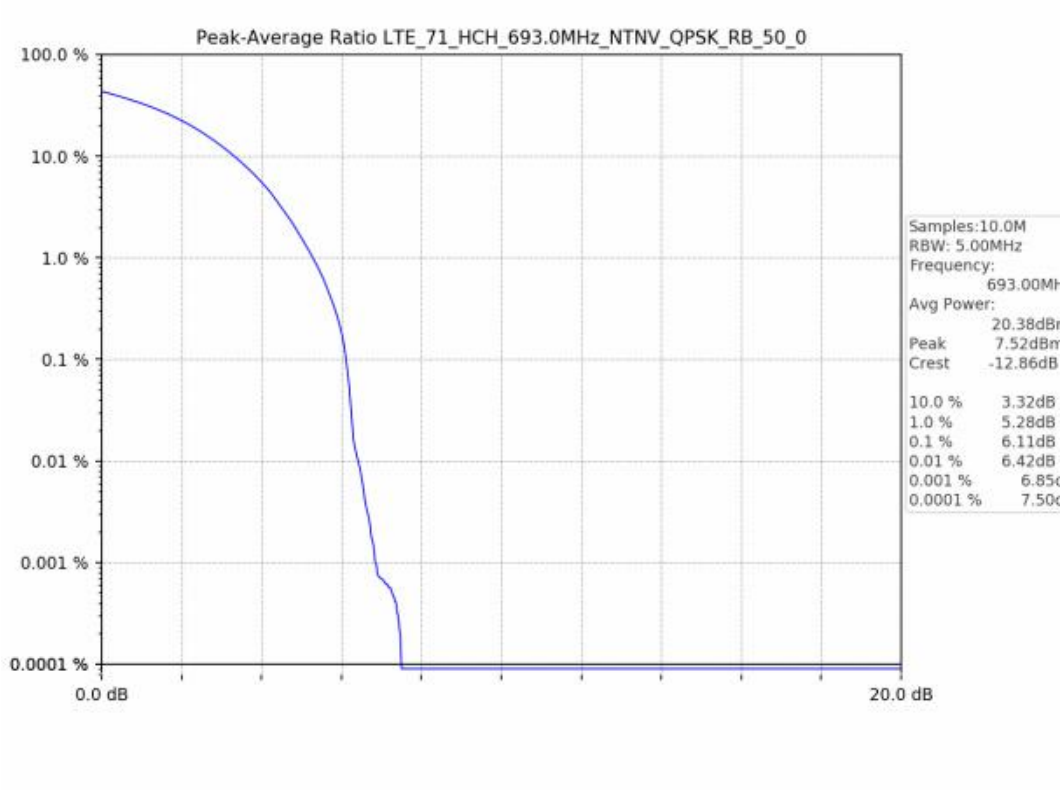



Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
18.29dBr
Peak 8.34dBr
Crest -9.95dB
10.0 % 3.54dB
1.0 % 5.66dB
0.1 % 6.68dB
0.01 % 7.47dB
0.001 % 8.04
0.0001 % 8.26

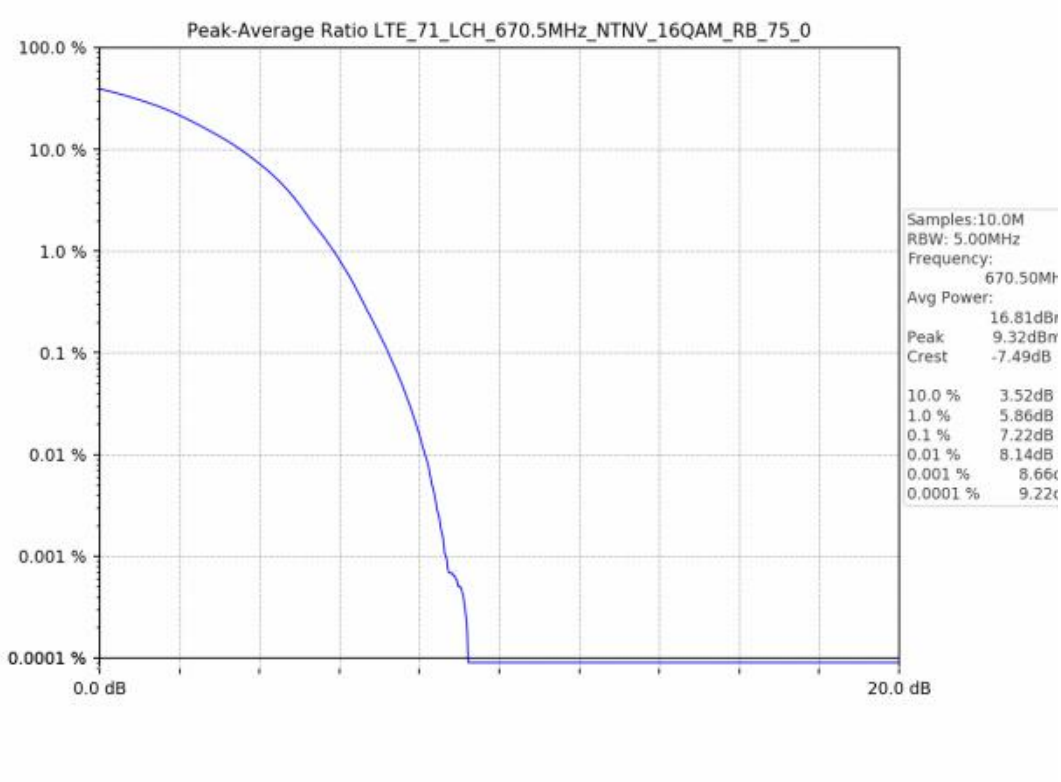

Peak-Average Ratio LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
693.00MH
Avg Power:
19.40dBr
Peak 8.46dBr
Crest -10.94dB
10.0 % 3.55dB
1.0 % 5.70dB
0.1 % 6.78dB
0.01 % 7.64dB
0.001 % 8.30
0.0001 % 8.39

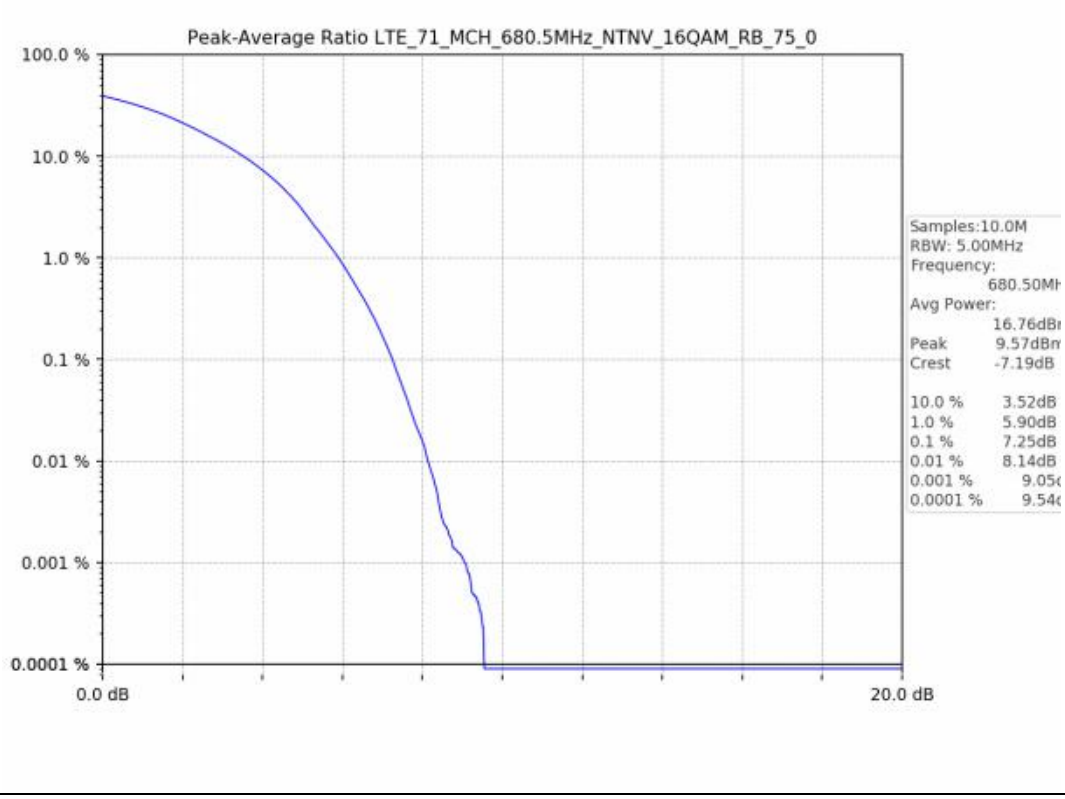

Peak-Average Ratio LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
668.00MH
Avg Power:
20.20dBr
Peak 7.08dBm
Crest -13.12dB
10.0 % 3.29dB
1.0 % 5.20dB
0.1 % 5.93dB
0.01 % 6.53dB
0.001 % 6.91
0.0001 % 7.07

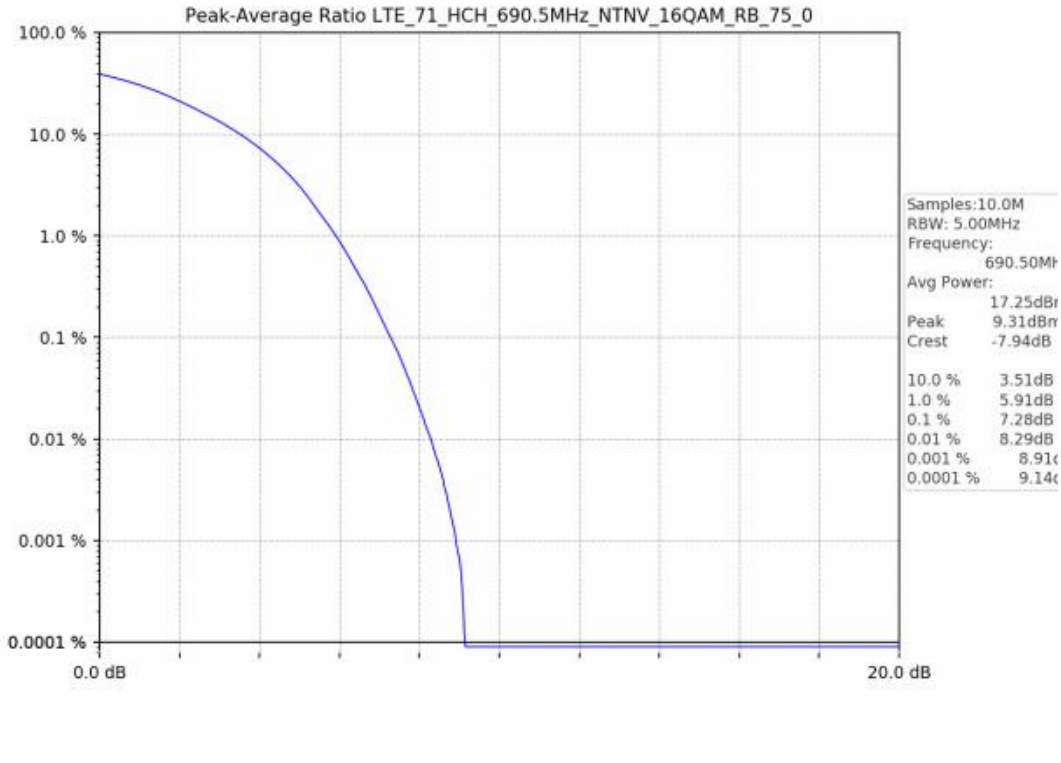

Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
19.26dBr
Peak 7.25dBm
Crest -12.01dB
10.0 % 3.30dB
1.0 % 5.25dB
0.1 % 6.08dB
0.01 % 6.44dB
0.001 % 6.90
0.0001 % 7.23

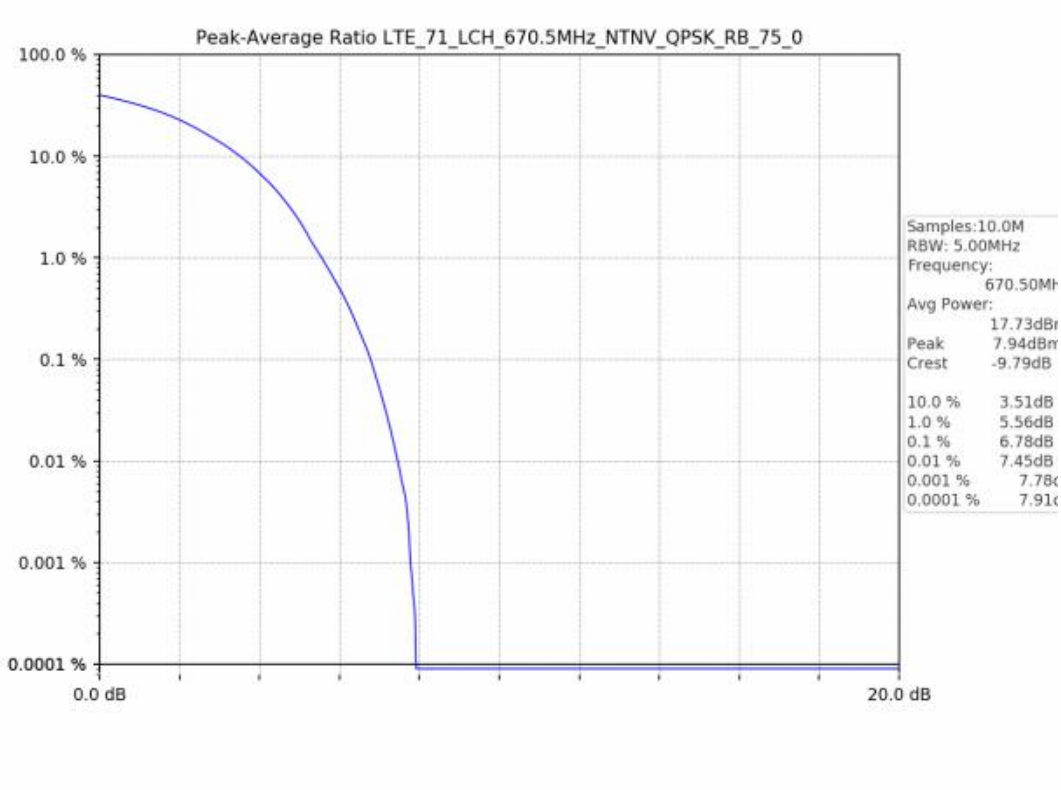

Peak-Average Ratio LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
693.00MH
Avg Power:
20.38dBr
Peak 7.52dBr
Crest -12.86dB
10.0 % 3.32dB
1.0 % 5.28dB
0.1 % 6.11dB
0.01 % 6.42dB
0.001 % 6.85
0.0001 % 7.50

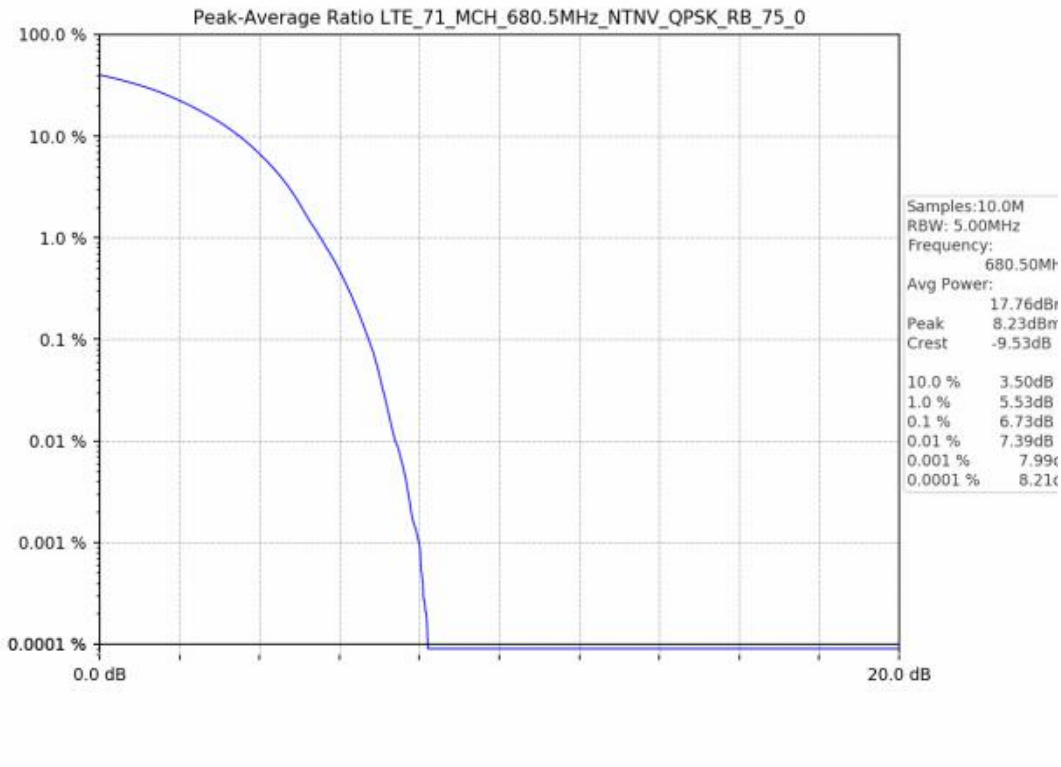
Test Band: 71 _ 15MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	6.78	6.73	6.72	13	PASS
16QAM	75	0	7.22	7.25	7.28	13	PASS

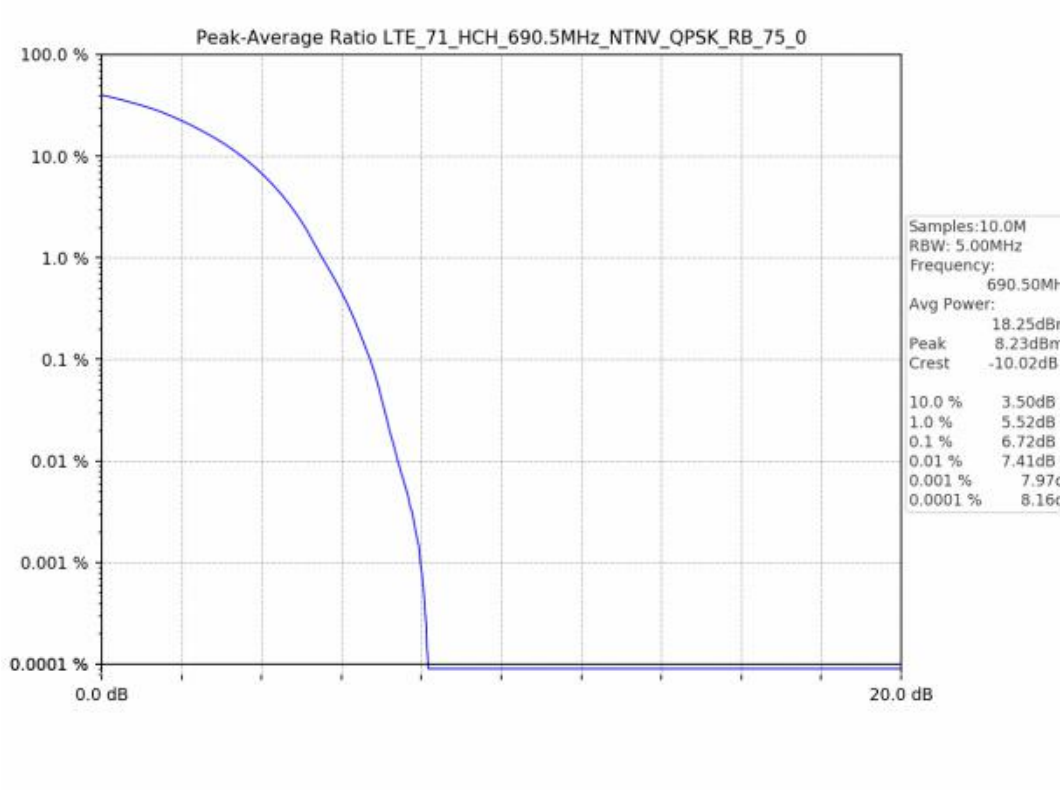



Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_75_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
16.76dBr
Peak 9.57dBr
Crest -7.19dB
10.0 % 3.52dB
1.0 % 5.90dB
0.1 % 7.25dB
0.01 % 8.14dB
0.001 % 9.05
0.0001 % 9.54

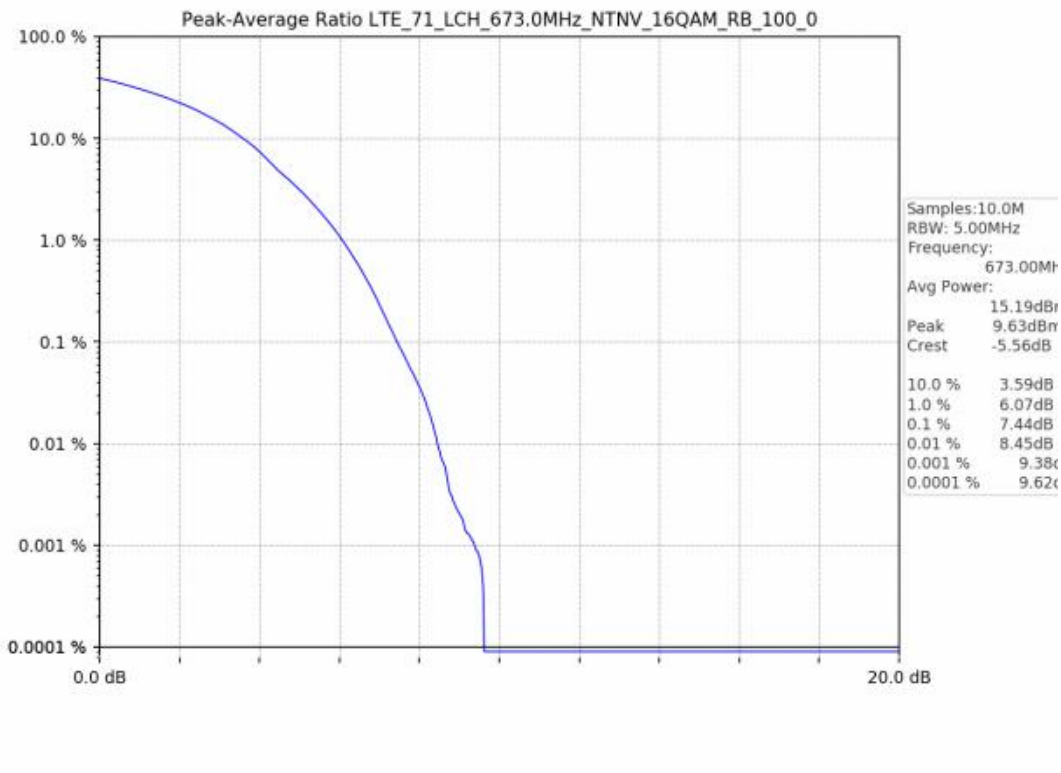

Peak-Average Ratio LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_75_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
690.50MH
Avg Power:
17.25dBr
Peak 9.31dBr
Crest -7.94dB
10.0 % 3.51dB
1.0 % 5.91dB
0.1 % 7.28dB
0.01 % 8.29dB
0.001 % 8.91
0.0001 % 9.14

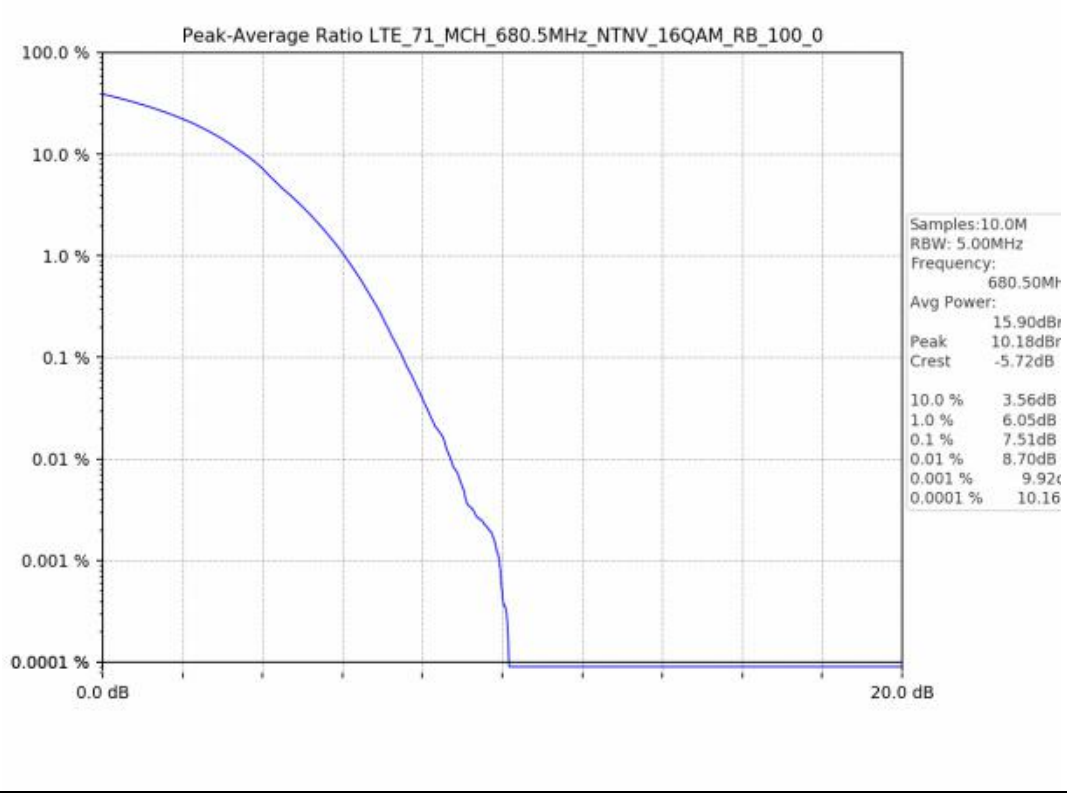

Peak-Average Ratio LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_75_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
670.50MH
Avg Power:
17.73dBr
Peak 7.94dBm
Crest -9.79dB
10.0 % 3.51dB
1.0 % 5.56dB
0.1 % 6.78dB
0.01 % 7.45dB
0.001 % 7.78
0.0001 % 7.91

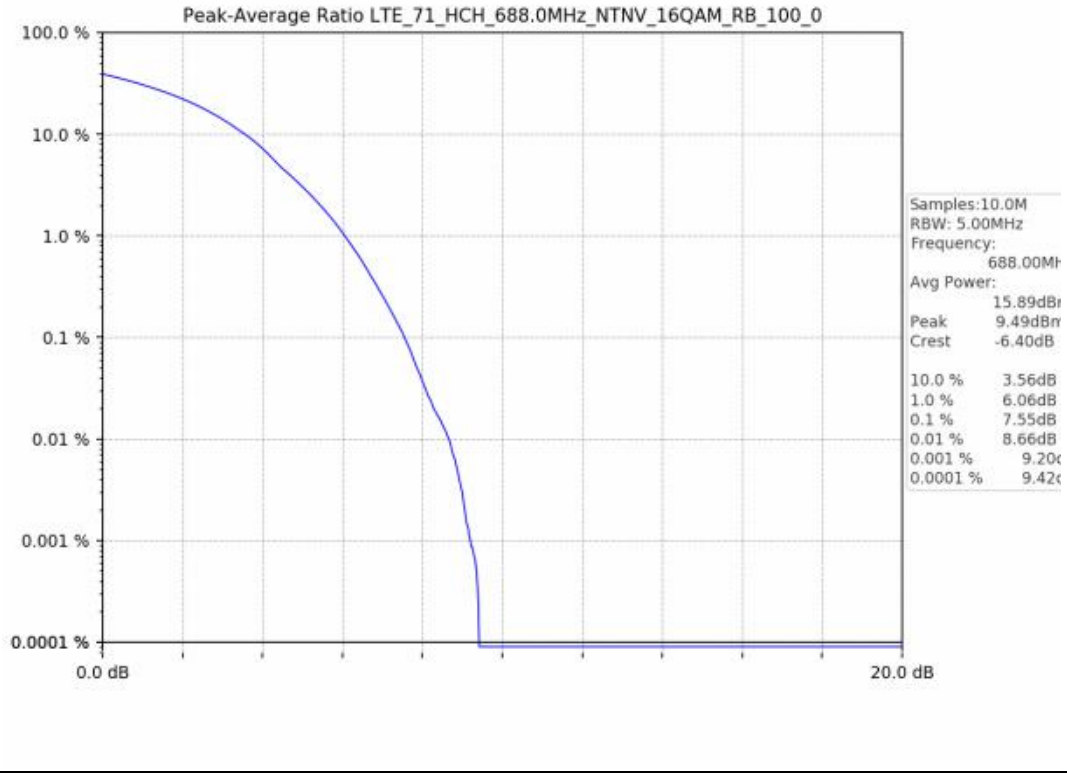

Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_75_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
17.76dBr
Peak 8.23dBm
Crest -9.53dB
10.0 % 3.50dB
1.0 % 5.53dB
0.1 % 6.73dB
0.01 % 7.39dB
0.001 % 7.99
0.0001 % 8.21

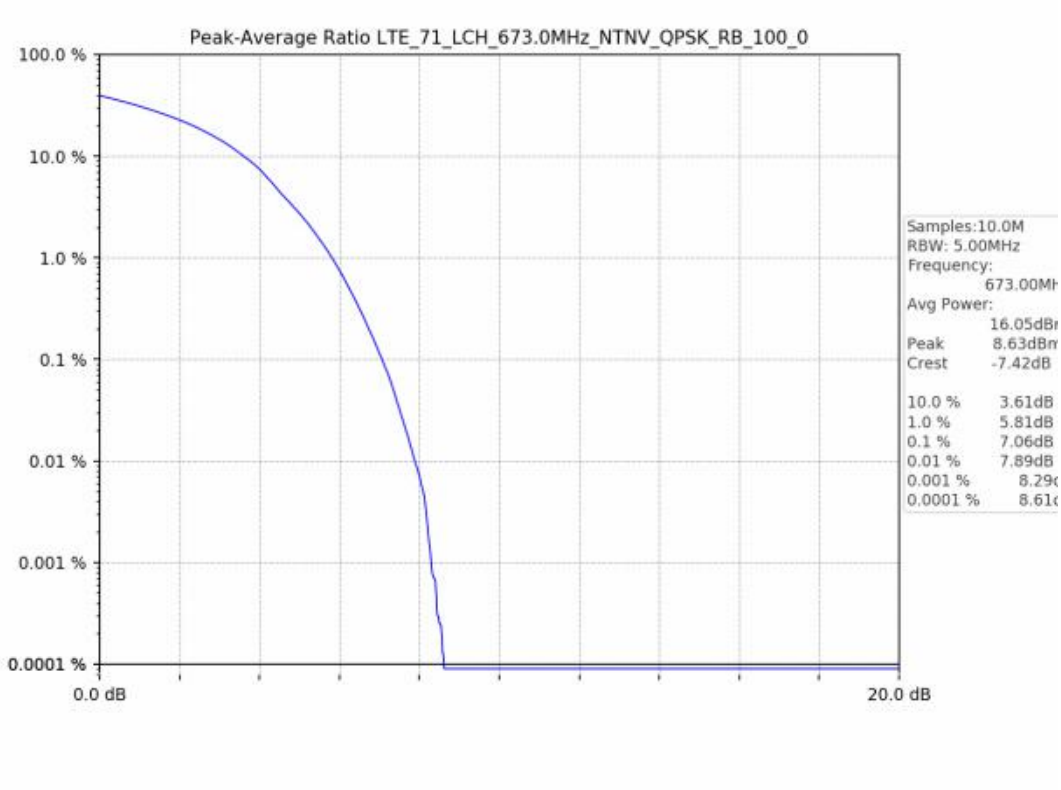

Peak-Average Ratio LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_75_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
690.50MH
Avg Power:
18.25dBr
Peak 8.23dBr
Crest -10.02dB
10.0 % 3.50dB
1.0 % 5.52dB
0.1 % 6.72dB
0.01 % 7.41dB
0.001 % 7.97
0.0001 % 8.16

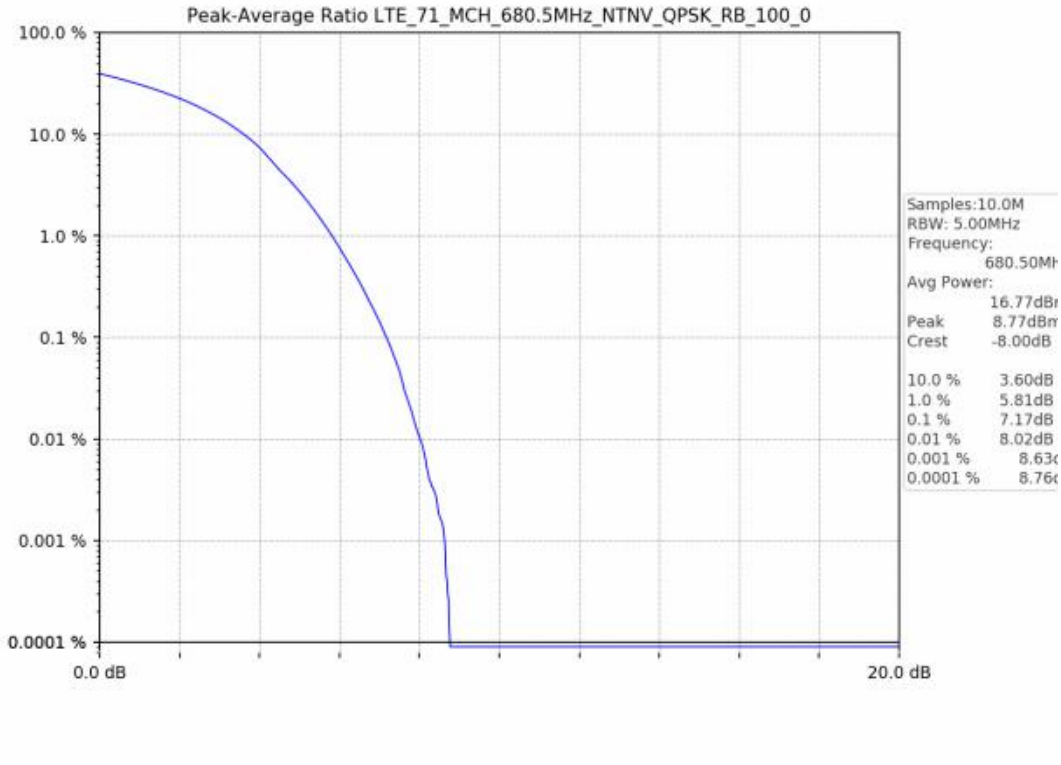
Test Band: 71 _ 20MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	7.06	7.17	7.16	13	PASS
16QAM	100	0	7.44	7.51	7.55	13	PASS

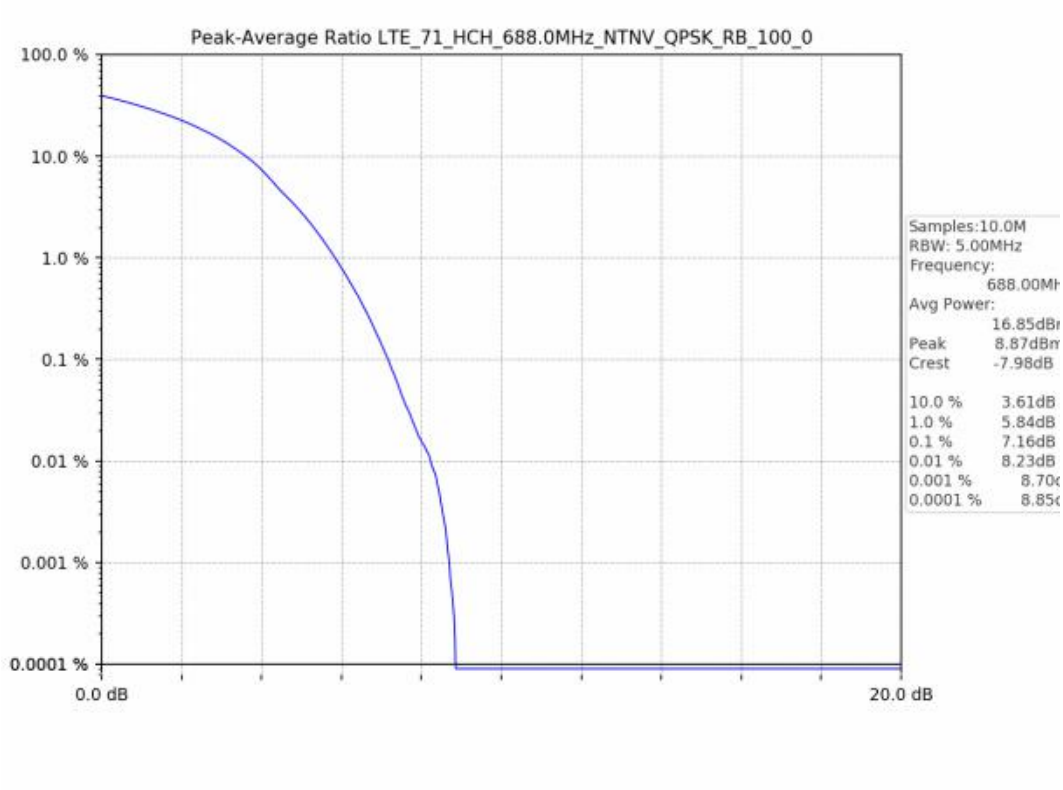



Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_100_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
15.90dBr
Peak 10.18dBr
Crest -5.72dB
10.0 % 3.56dB
1.0 % 6.05dB
0.1 % 7.51dB
0.01 % 8.70dB
0.001 % 9.92
0.0001 % 10.16


Peak-Average Ratio LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_100_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
688.00MH
Avg Power:
15.89dBr
Peak 9.49dBm
Crest -6.40dB
10.0 % 3.56dB
1.0 % 6.06dB
0.1 % 7.55dB
0.01 % 8.66dB
0.001 % 9.20
0.0001 % 9.42

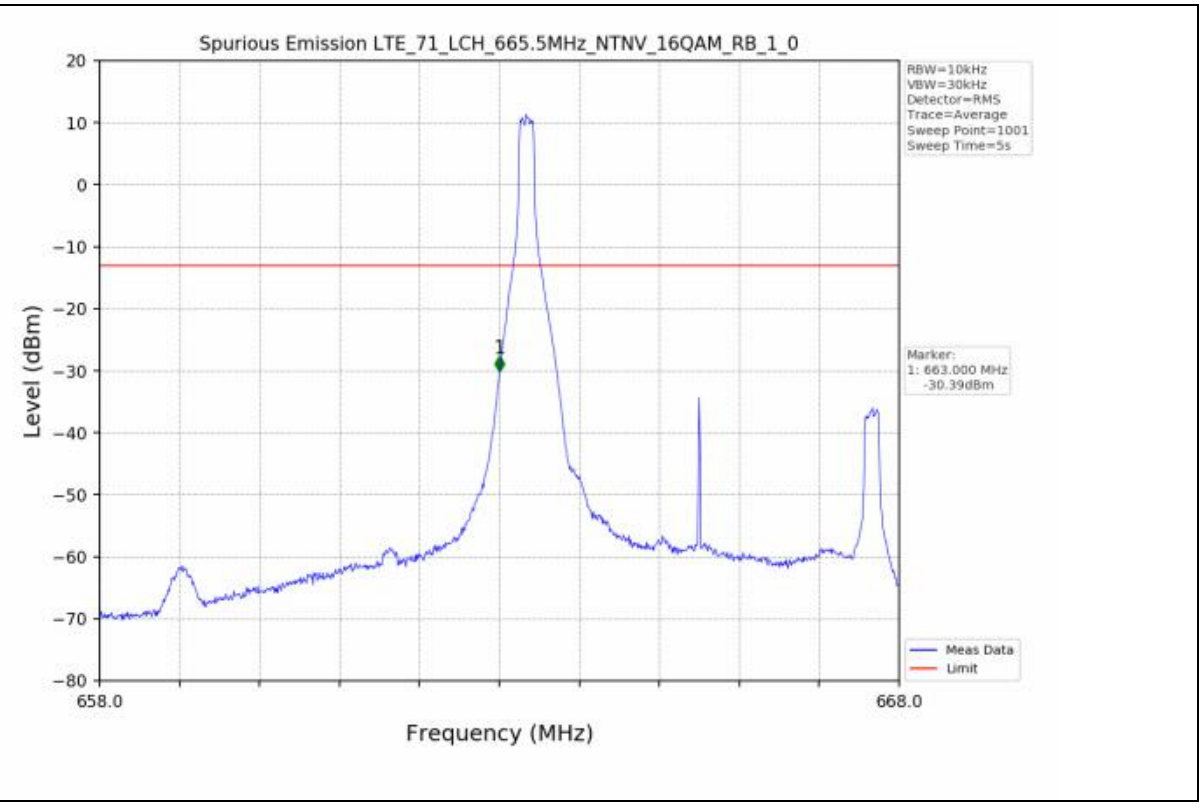

Peak-Average Ratio LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_100_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
673.00MH
Avg Power:
16.05dBr
Peak 8.63dBm
Crest -7.42dB
10.0 % 3.61dB
1.0 % 5.81dB
0.1 % 7.06dB
0.01 % 7.89dB
0.001 % 8.29
0.0001 % 8.61

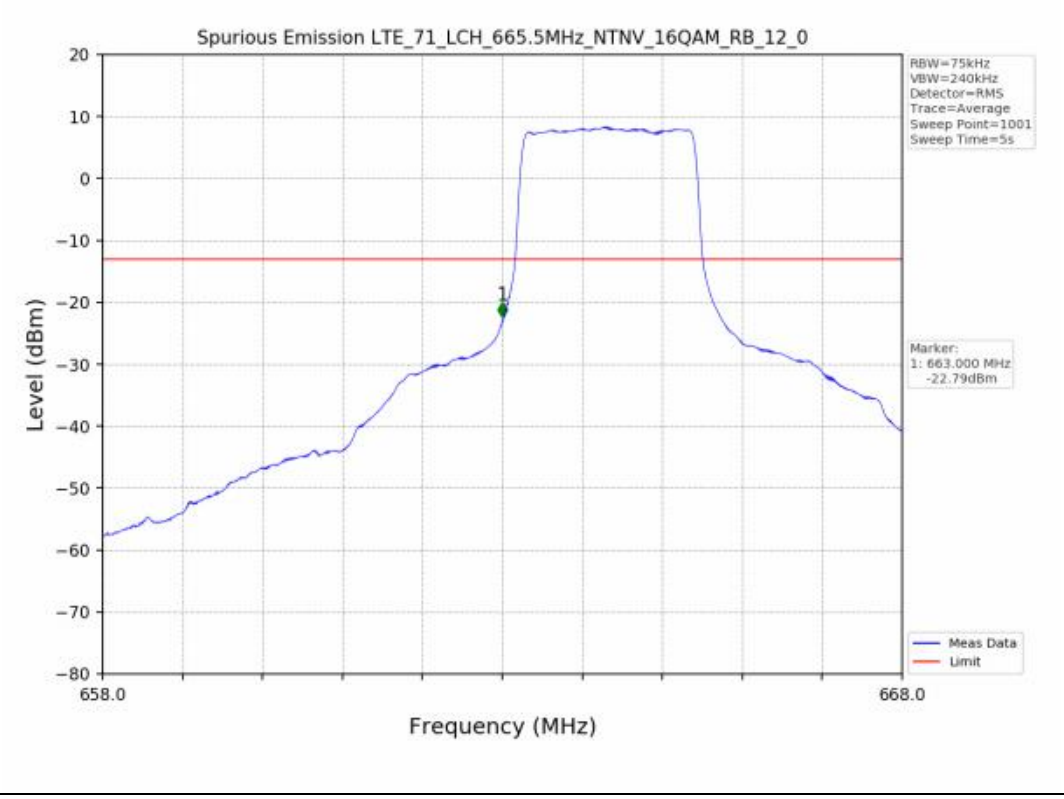

Peak-Average Ratio LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_100_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
680.50MH
Avg Power:
16.77dBr
Peak 8.77dBm
Crest -8.00dB
10.0 % 3.60dB
1.0 % 5.81dB
0.1 % 7.17dB
0.01 % 8.02dB
0.001 % 8.63
0.0001 % 8.76

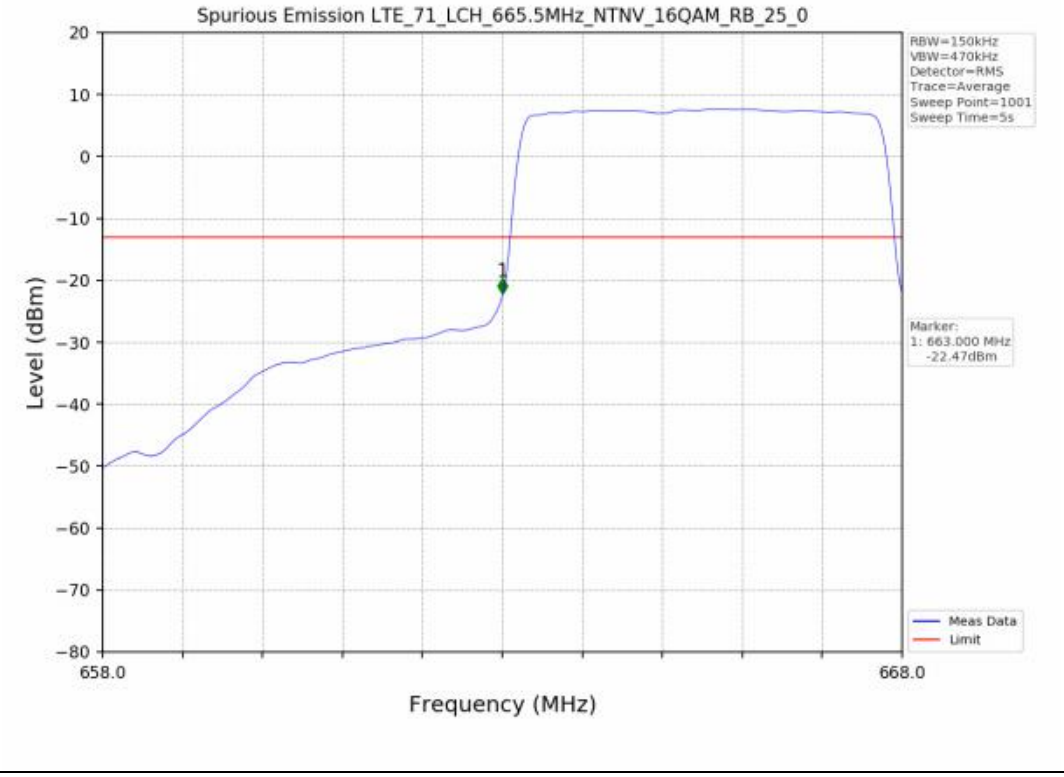

Peak-Average Ratio LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_100_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
688.00MH
Avg Power:
16.85dBr
Peak 8.87dBr
Crest -7.98dB
10.0 % 3.61dB
1.0 % 5.84dB
0.1 % 7.16dB
0.01 % 8.23dB
0.001 % 8.70
0.0001 % 8.85

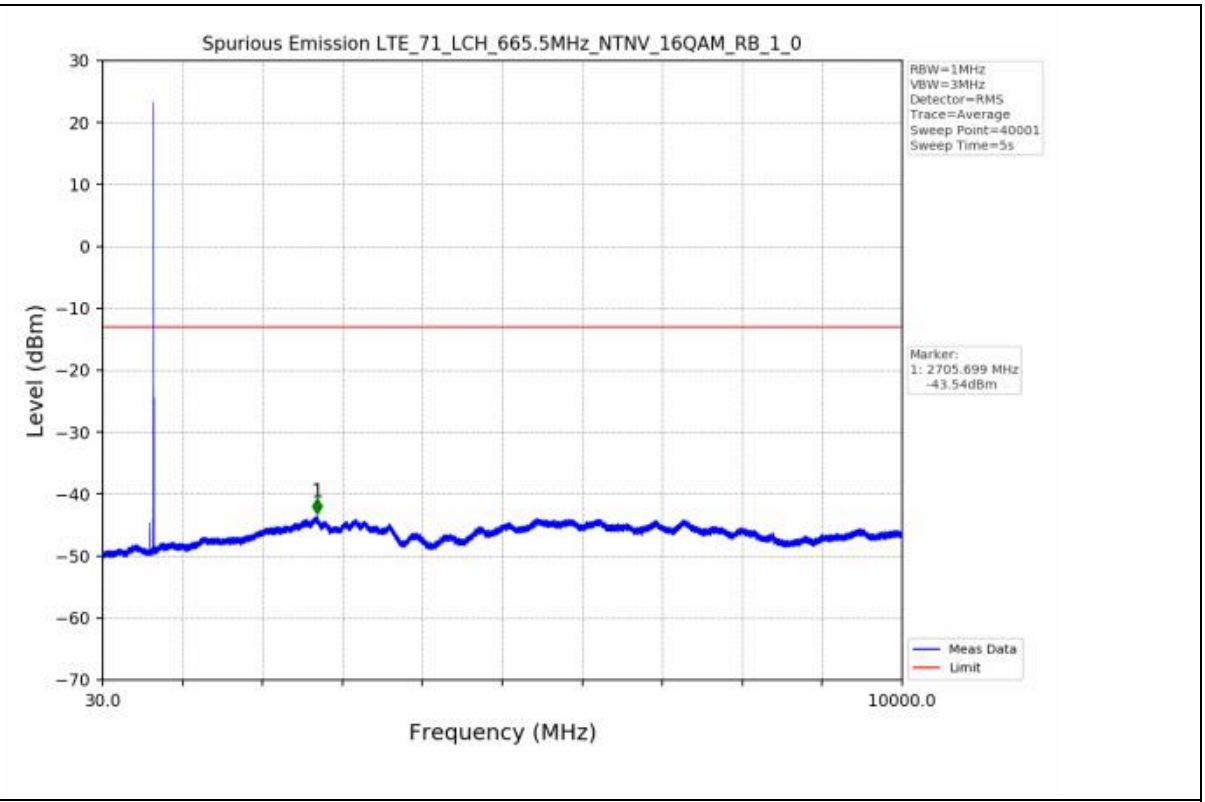
K5. Spurious Emission

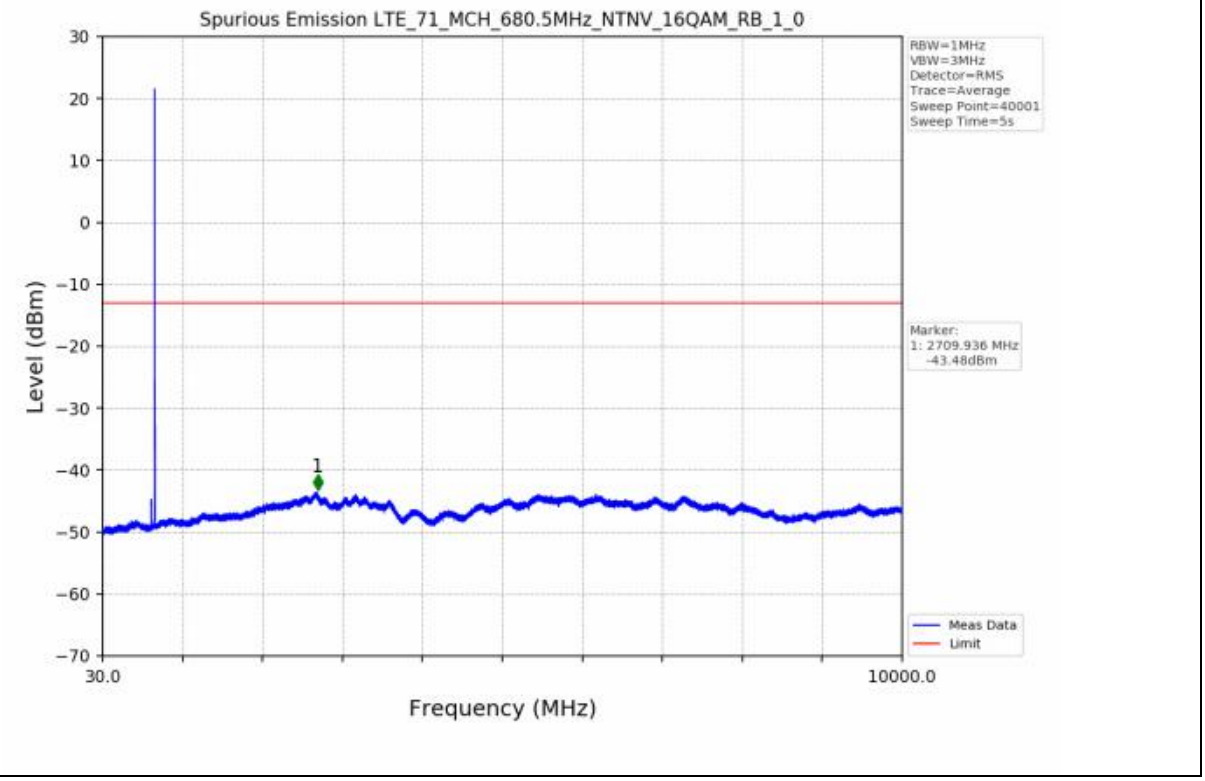
K5.1 Test Graph

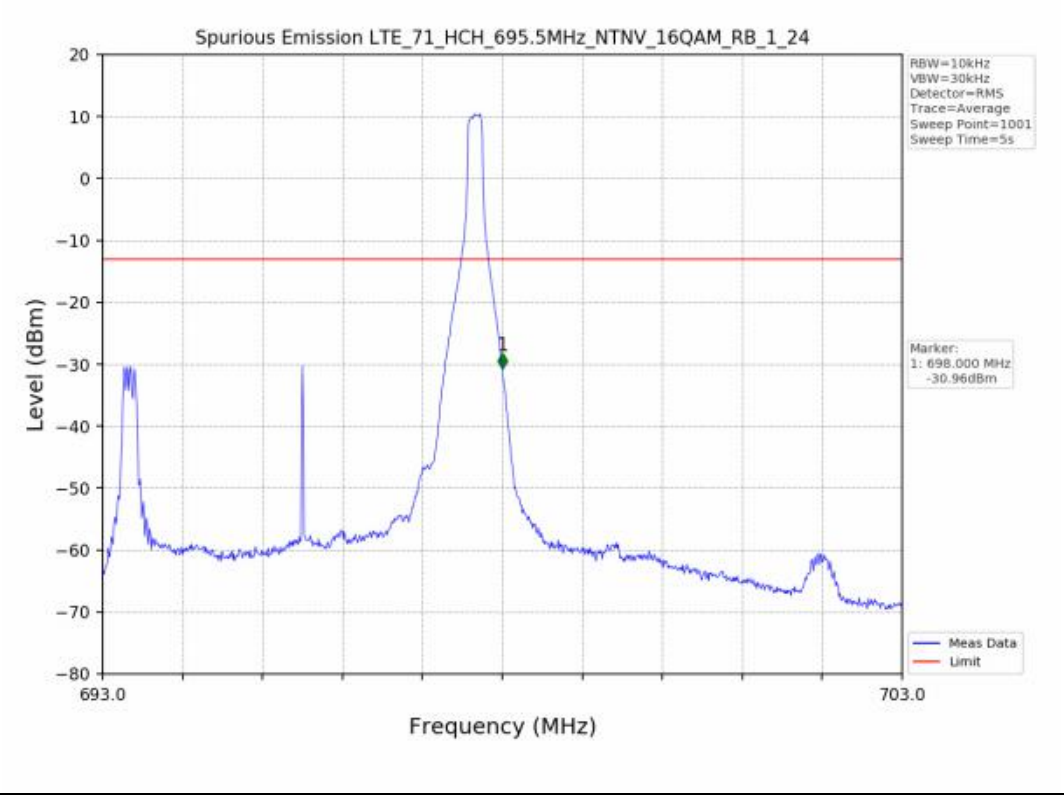


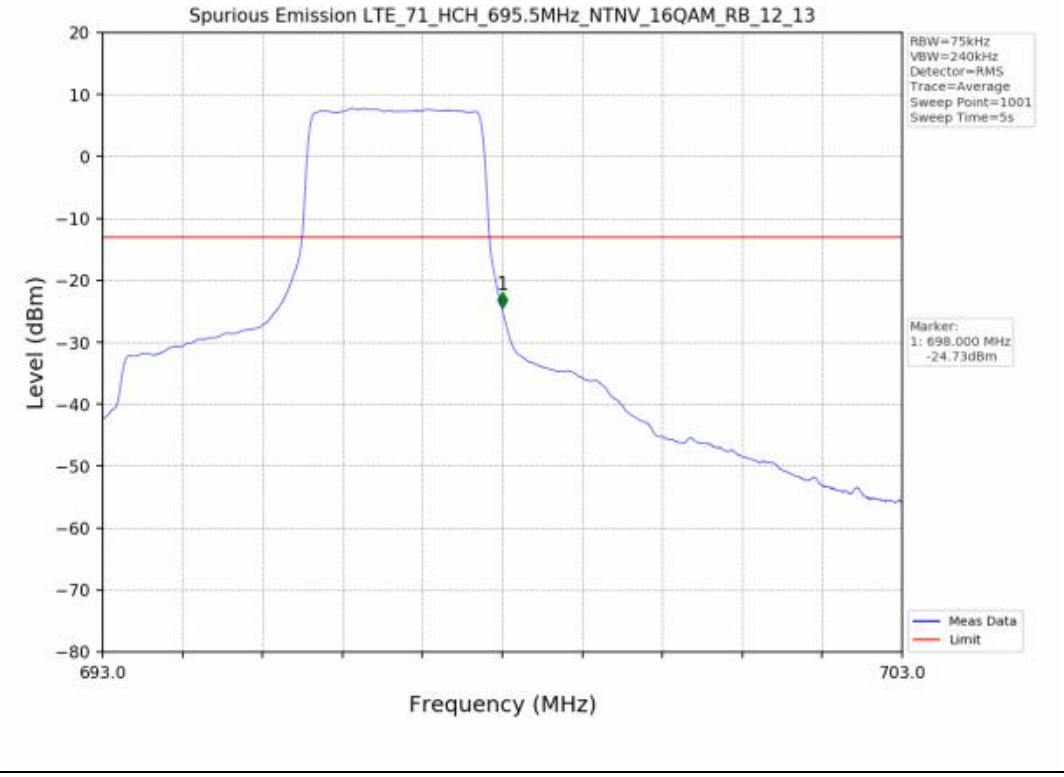

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_16QAM_RB_12_0
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-22.79dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
658.0
668.0

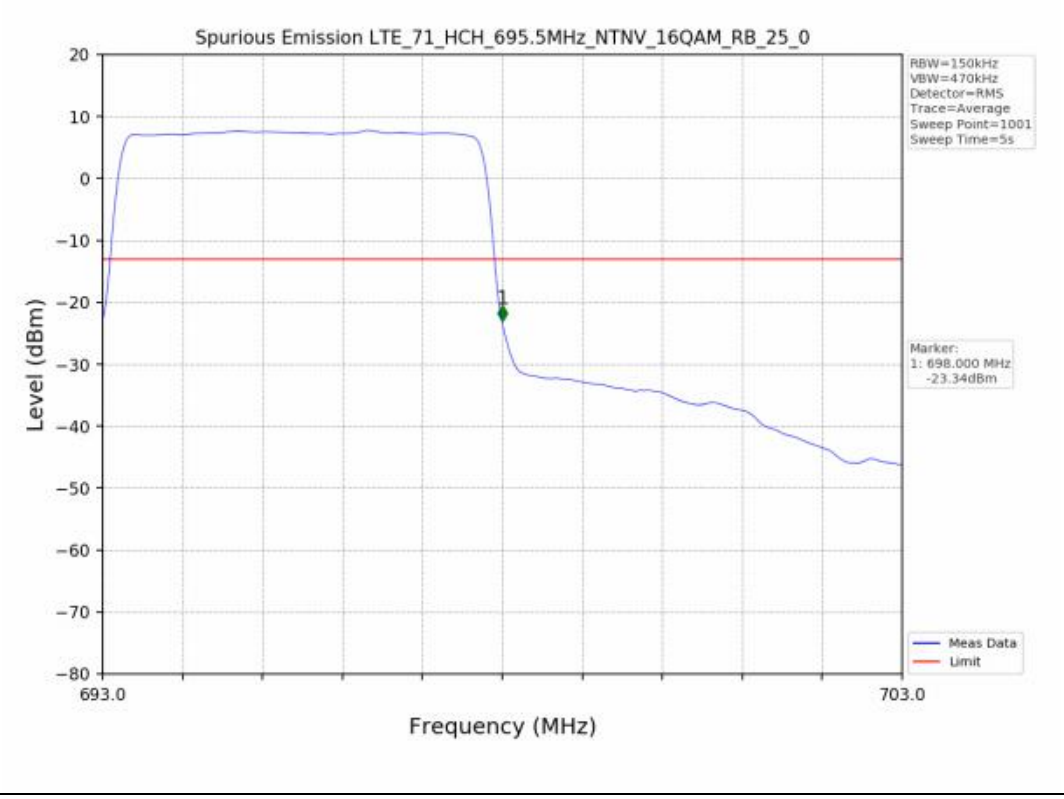

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-22.47dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
658.0
668.0

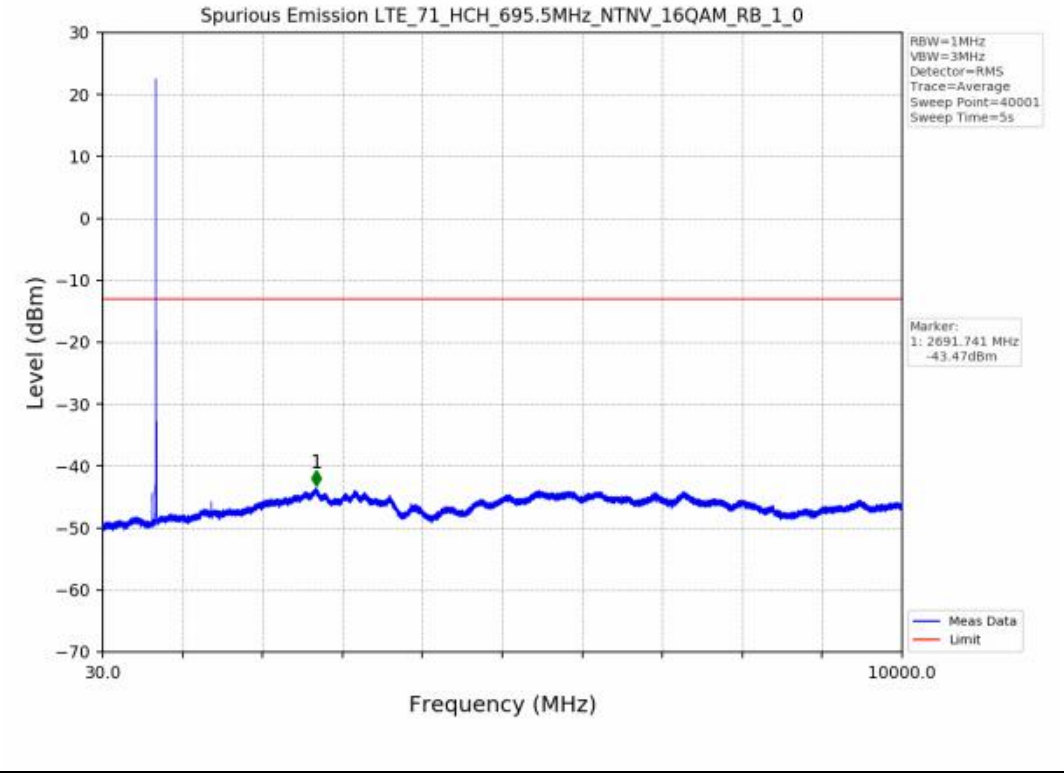

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2705.699 MHz
-43.54dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

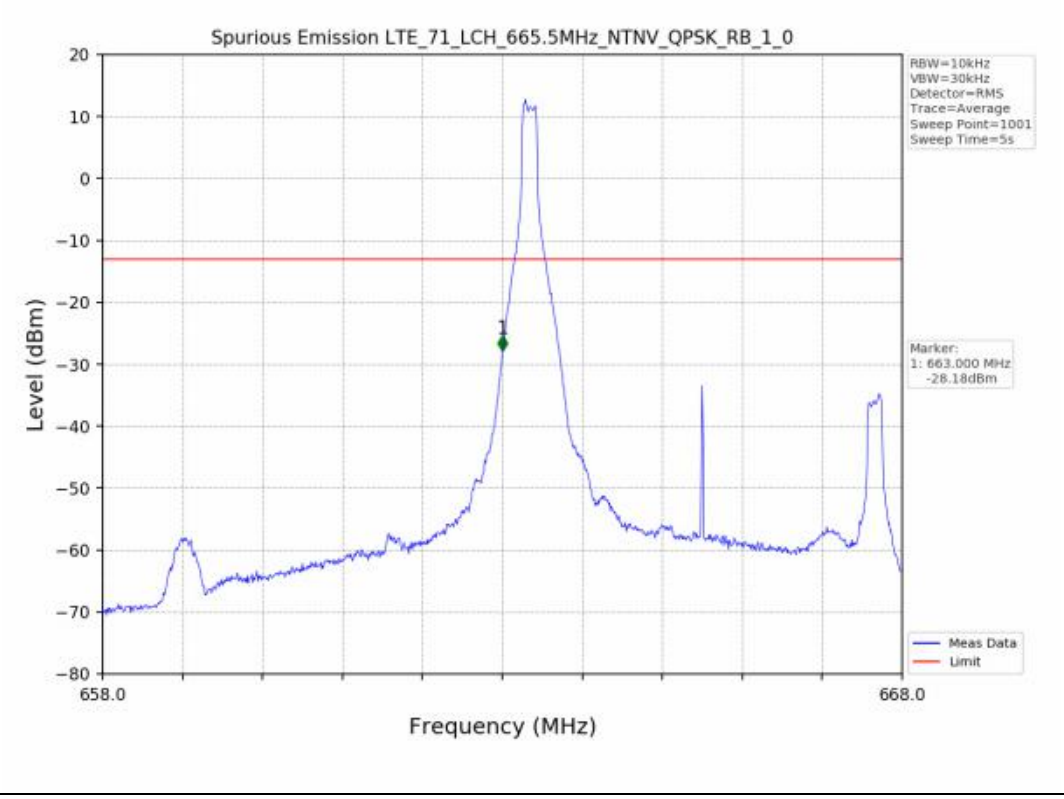

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2709.936 MHz
-43.48dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

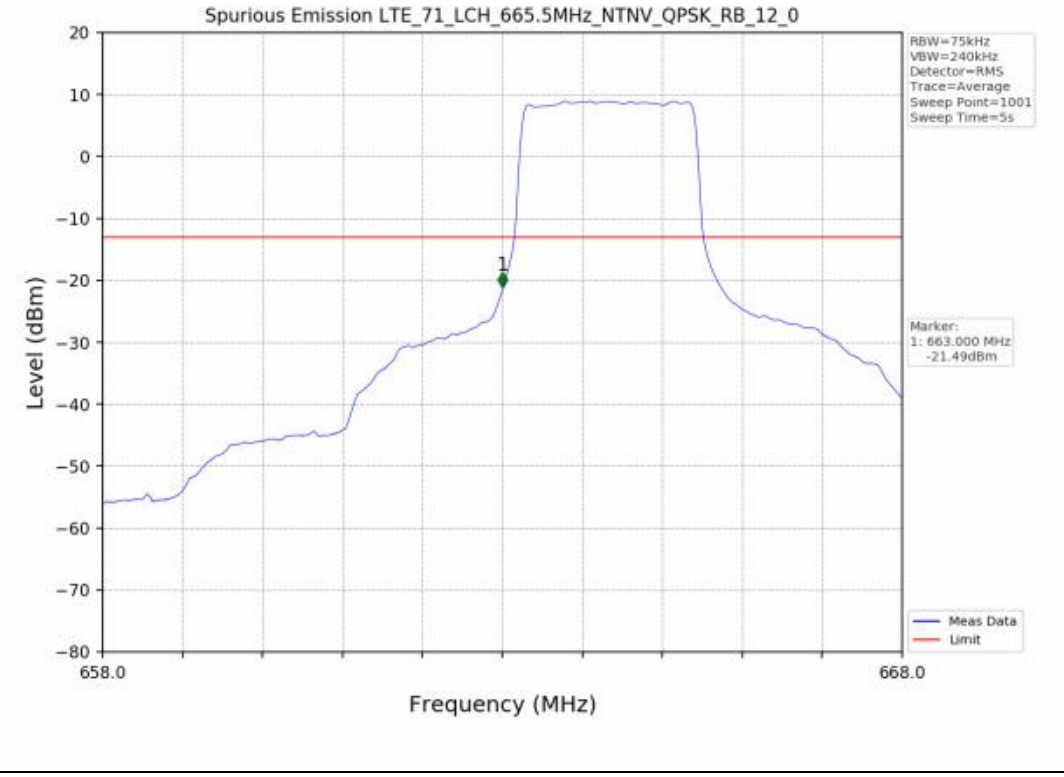

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_1_24
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-30.96dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
693.0
703.0

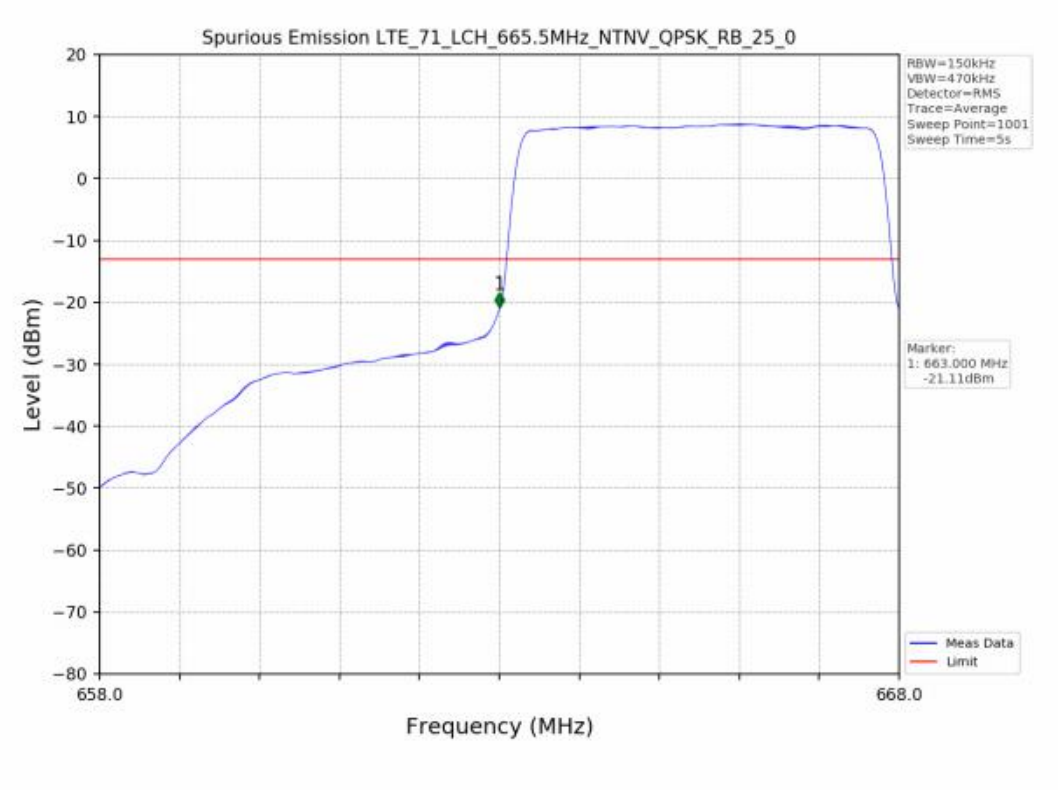

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_12_13
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-24.73dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
693.0
703.0

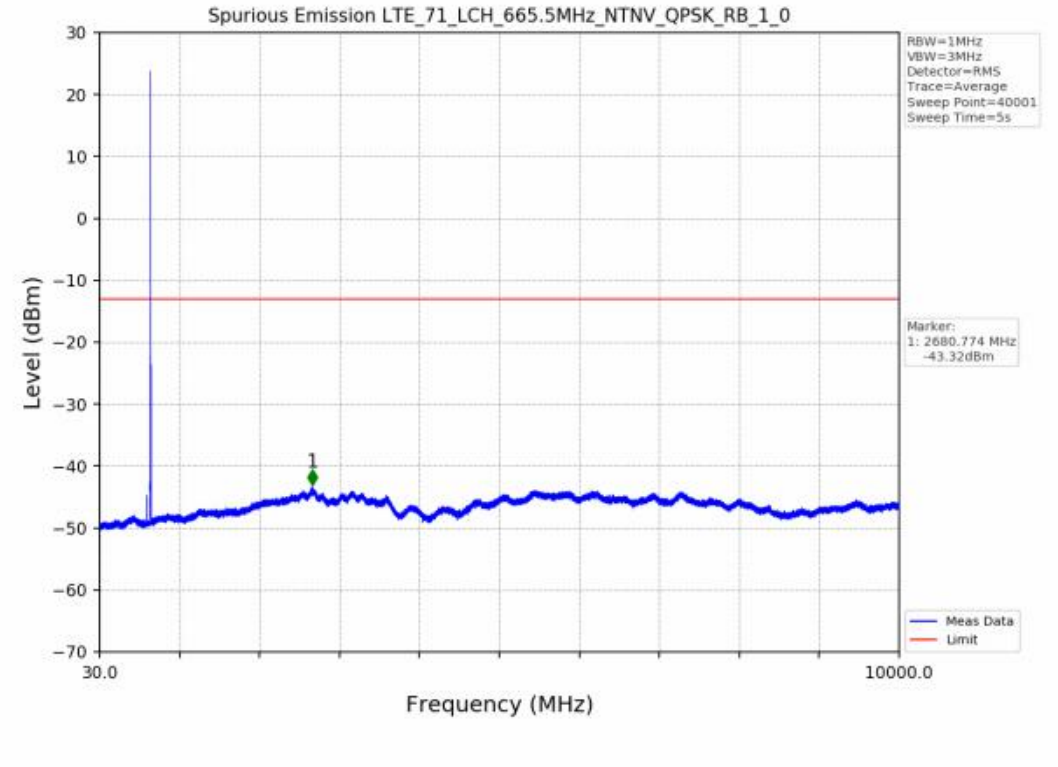

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-23.34dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
693.0
703.0

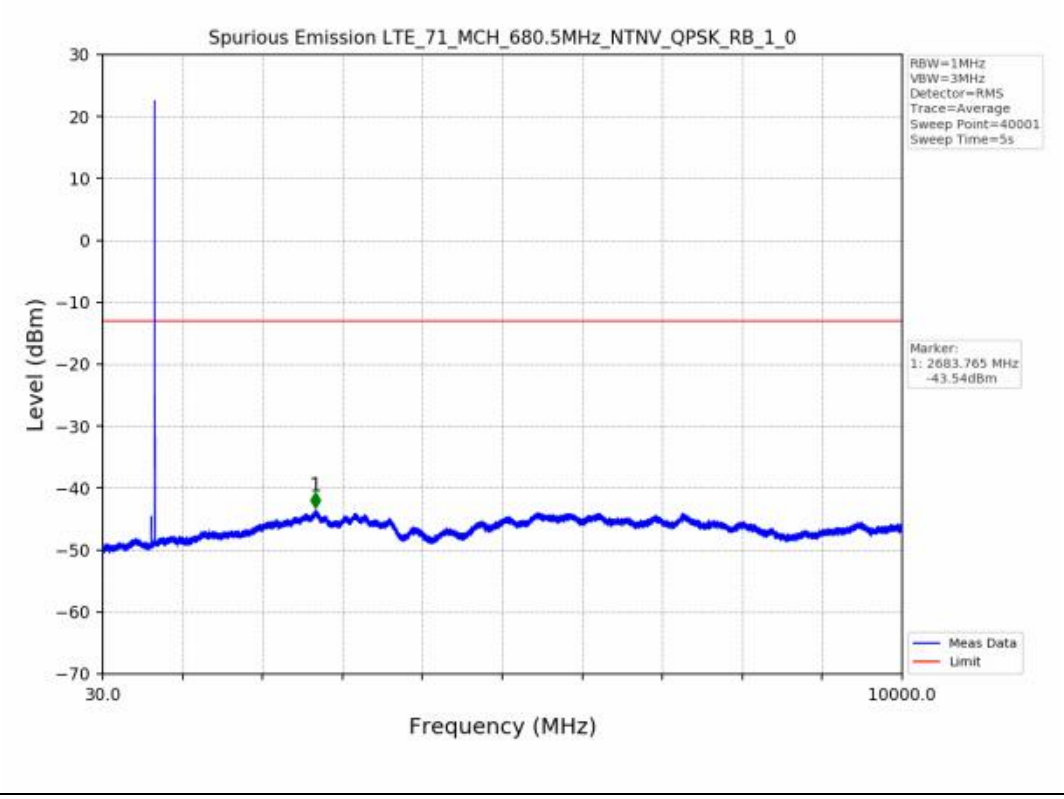

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2691.741 MHz
-43.47dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

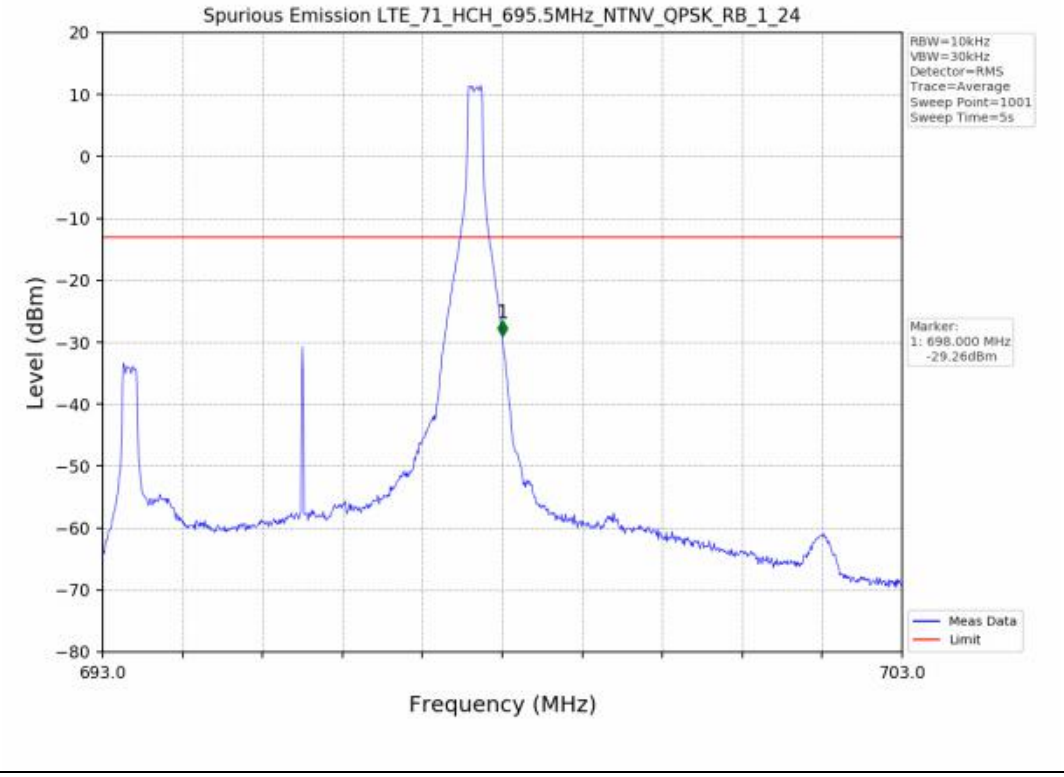

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-28.18dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
658.0
668.0

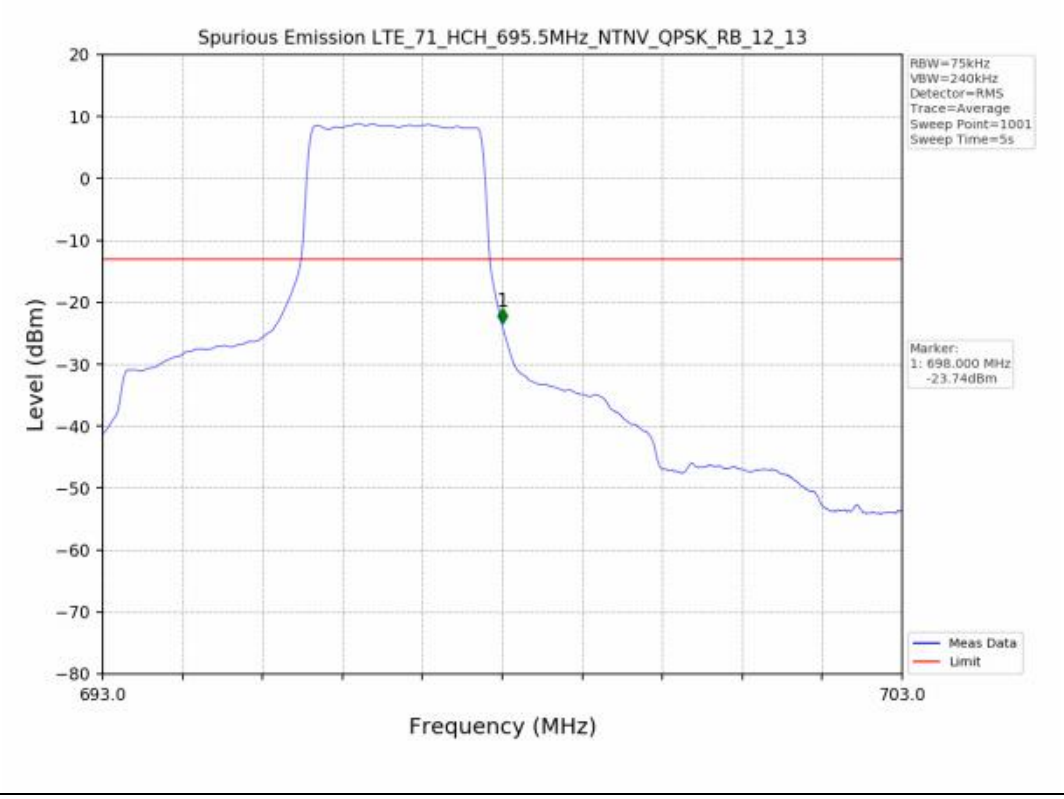

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_12_0
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-21.49dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
658.0
668.0

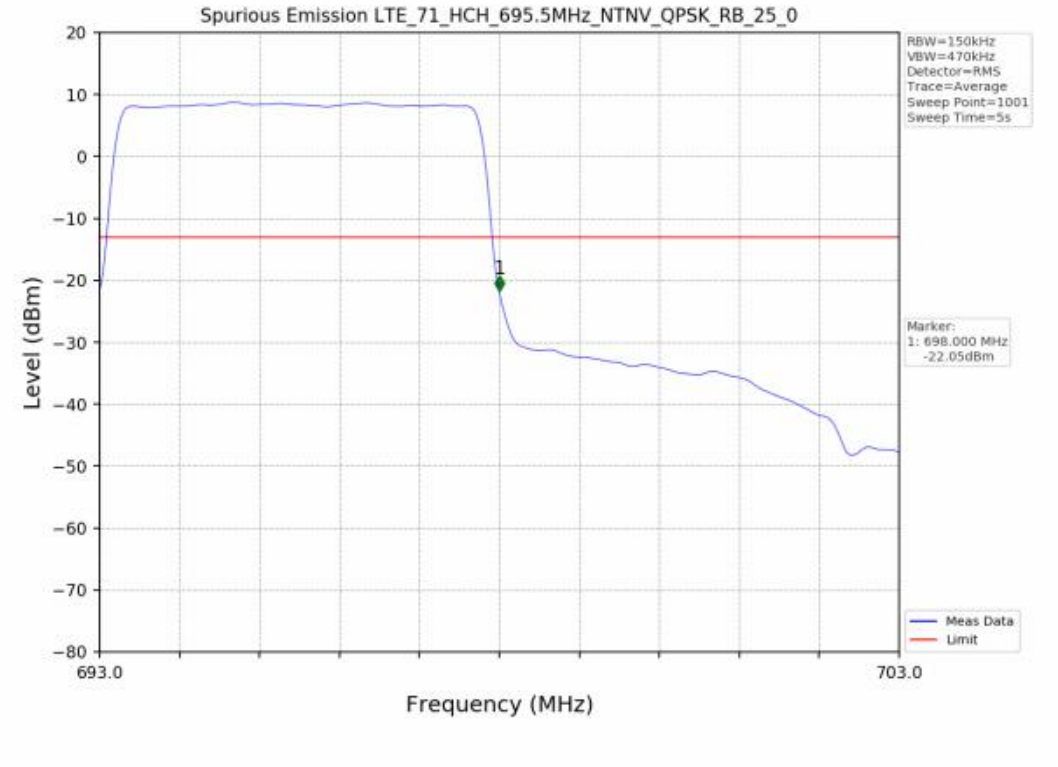

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-21.11dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
658.0
668.0

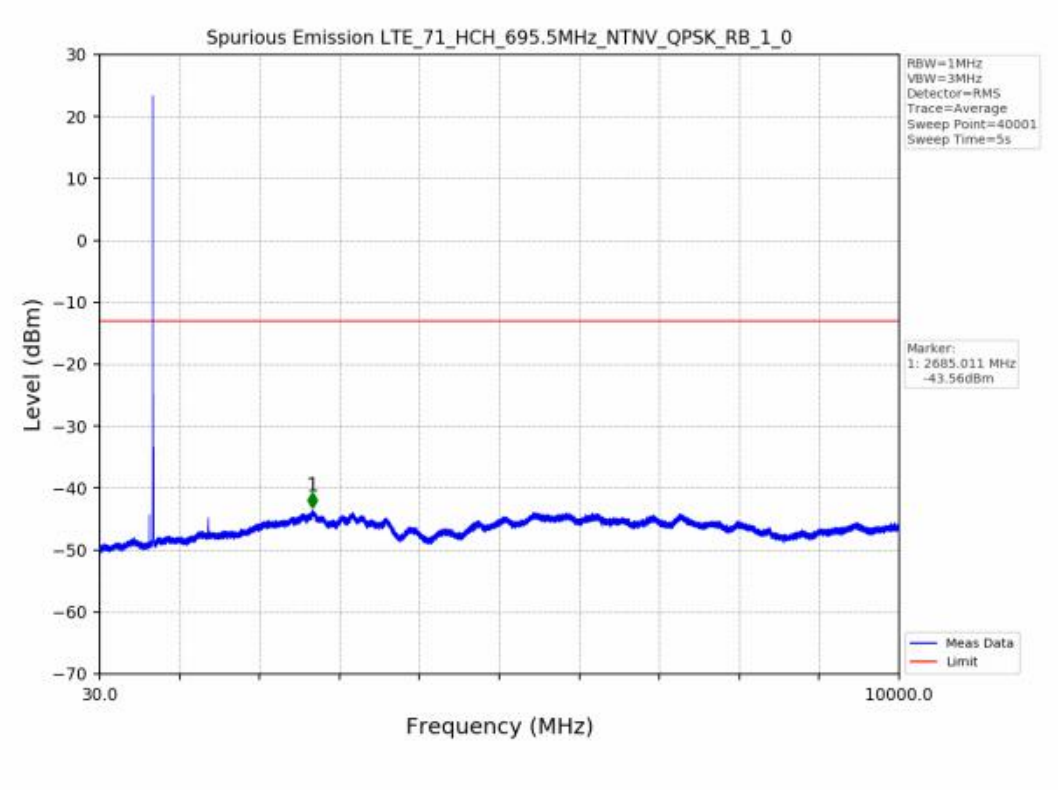

Spurious Emission LTE_71_LCH_665.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2680.774 MHz
-43.32dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

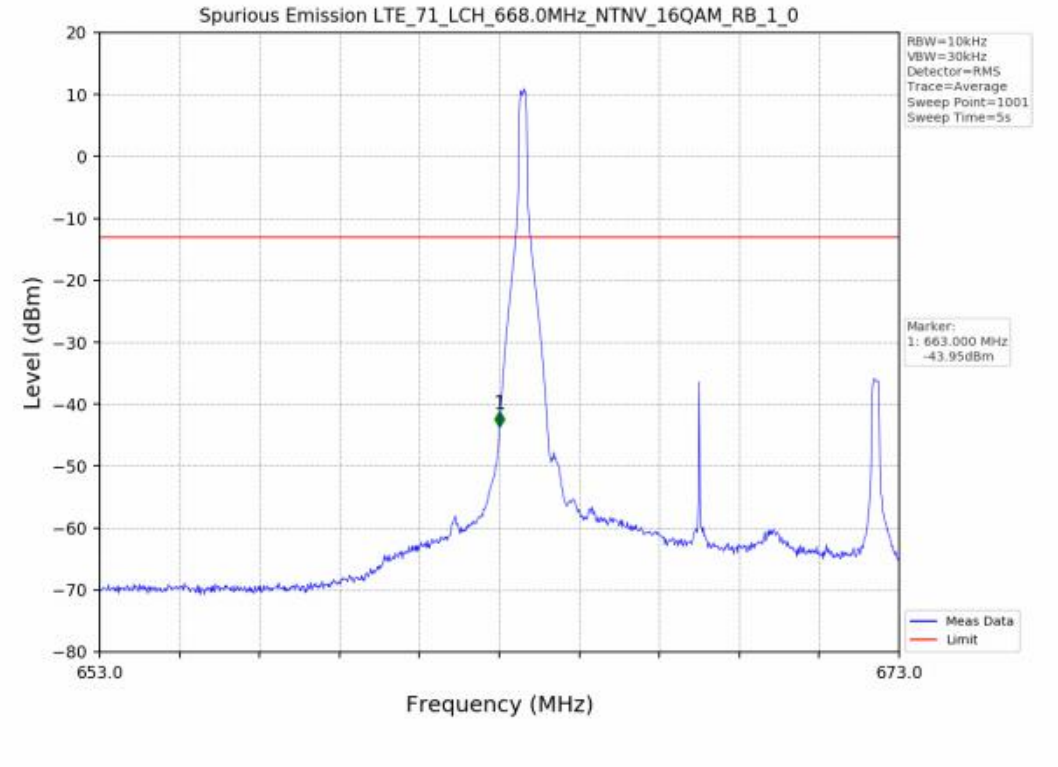

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2683.765 MHz
-43.54dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

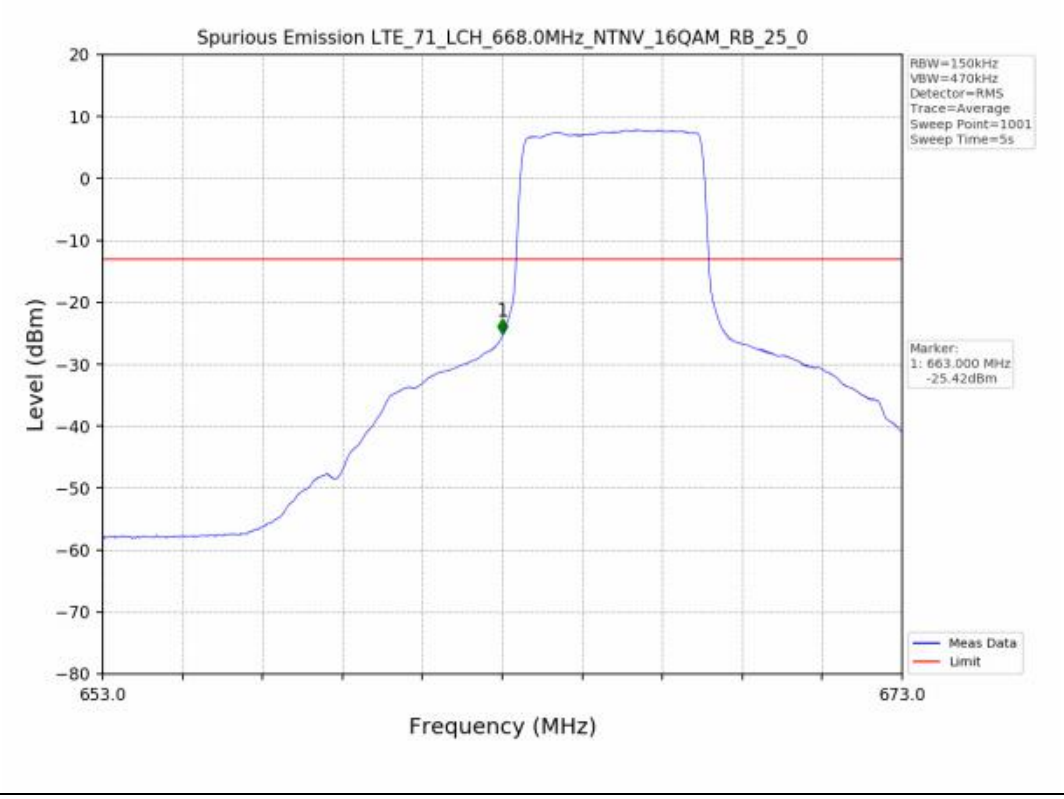

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_1_24
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-29.26dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
693.0
703.0

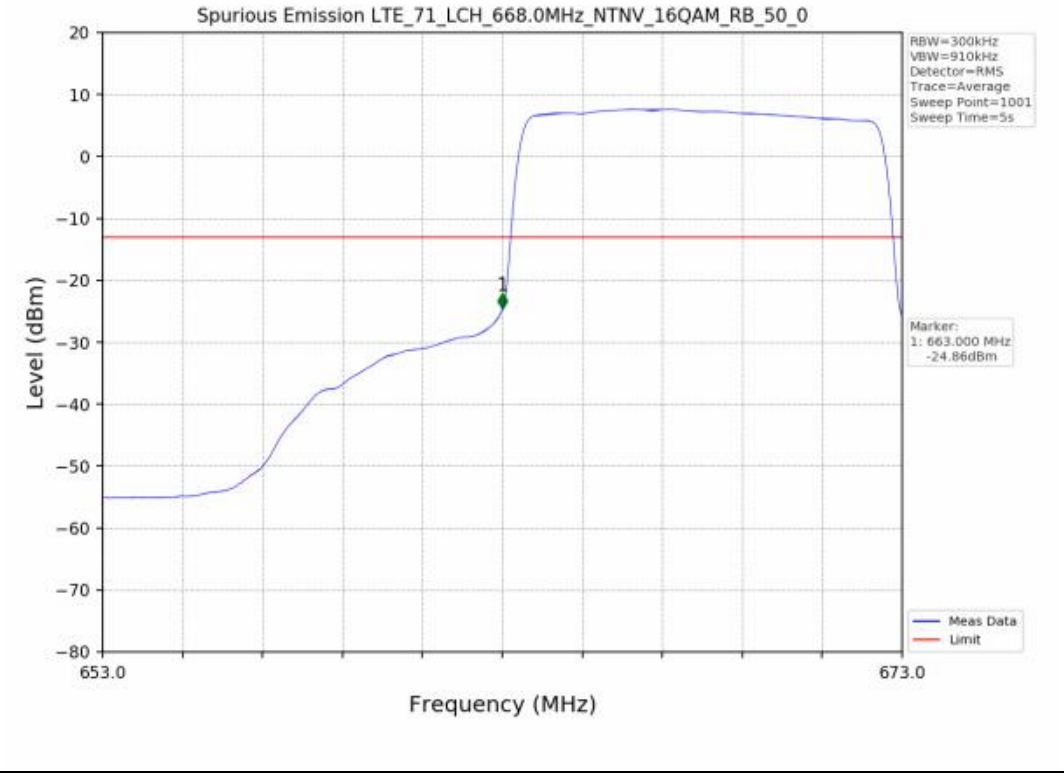

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_12_13
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-23.74dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
693.0
703.0

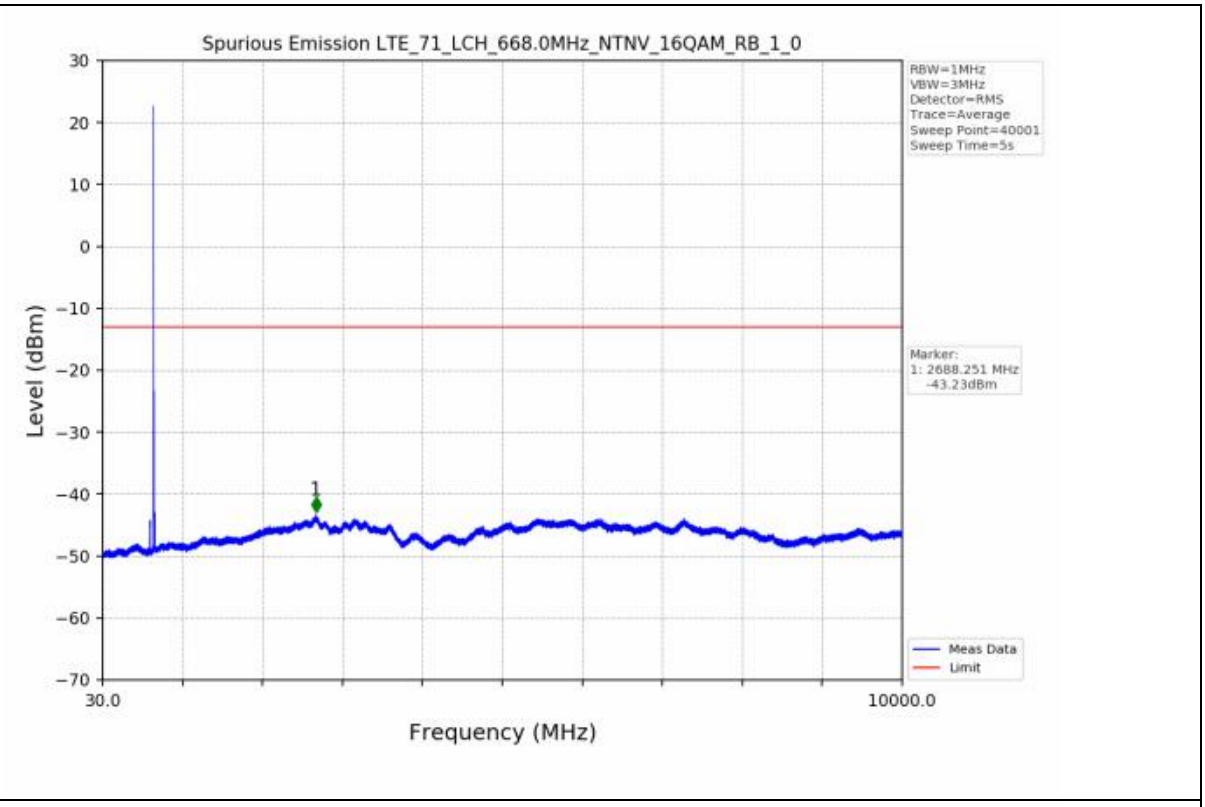

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-22.05dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
693.0
703.0

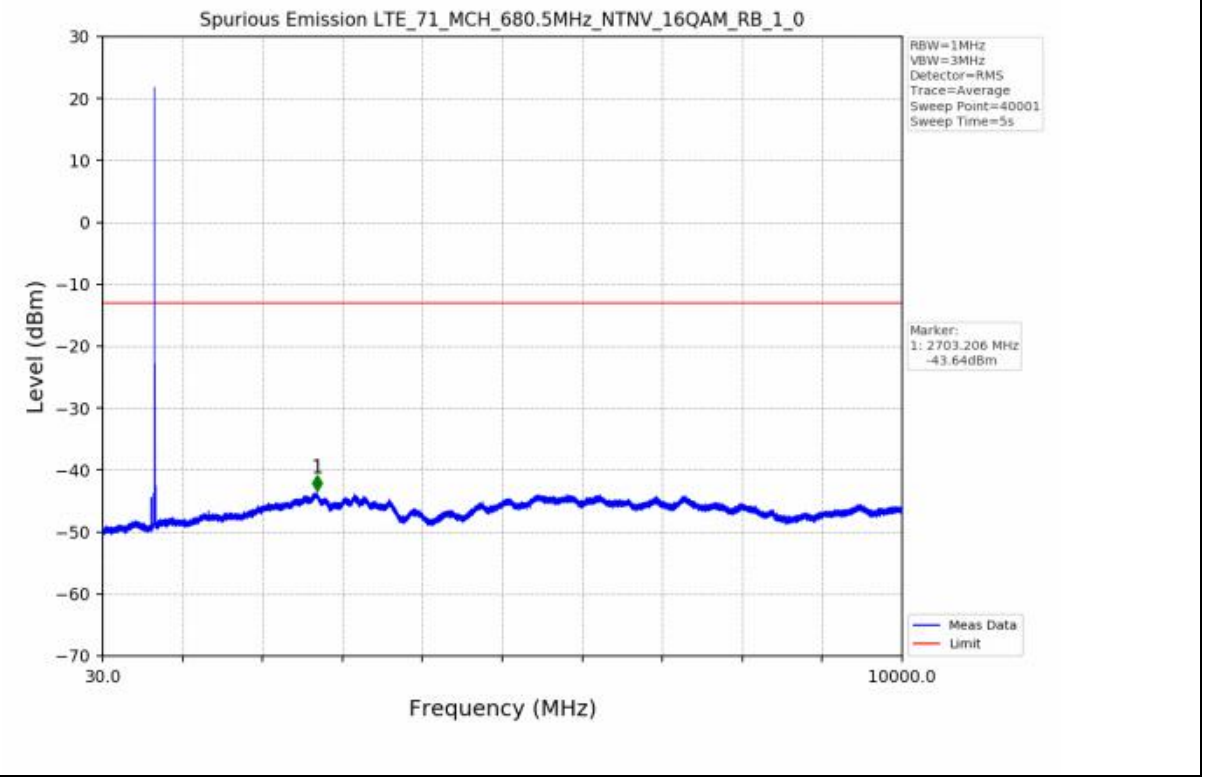

Spurious Emission LTE_71_HCH_695.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2685.011 MHz
-43.56dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

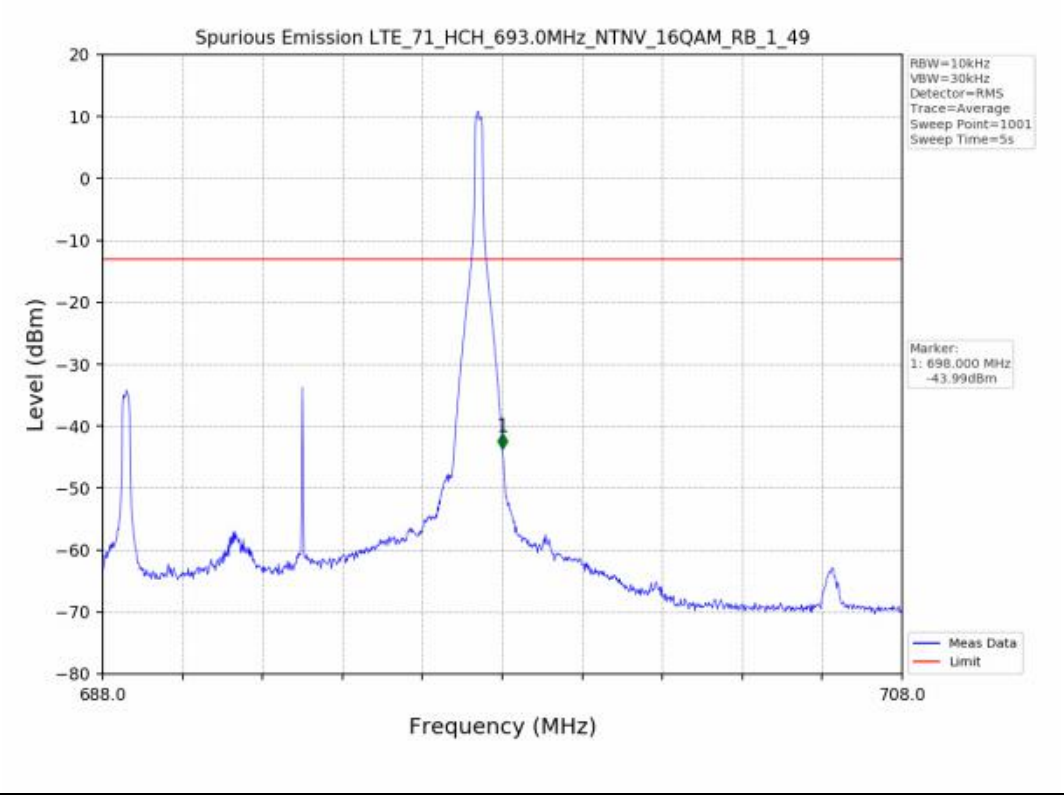

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_16QAM_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-43.95dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
653.0
673.0

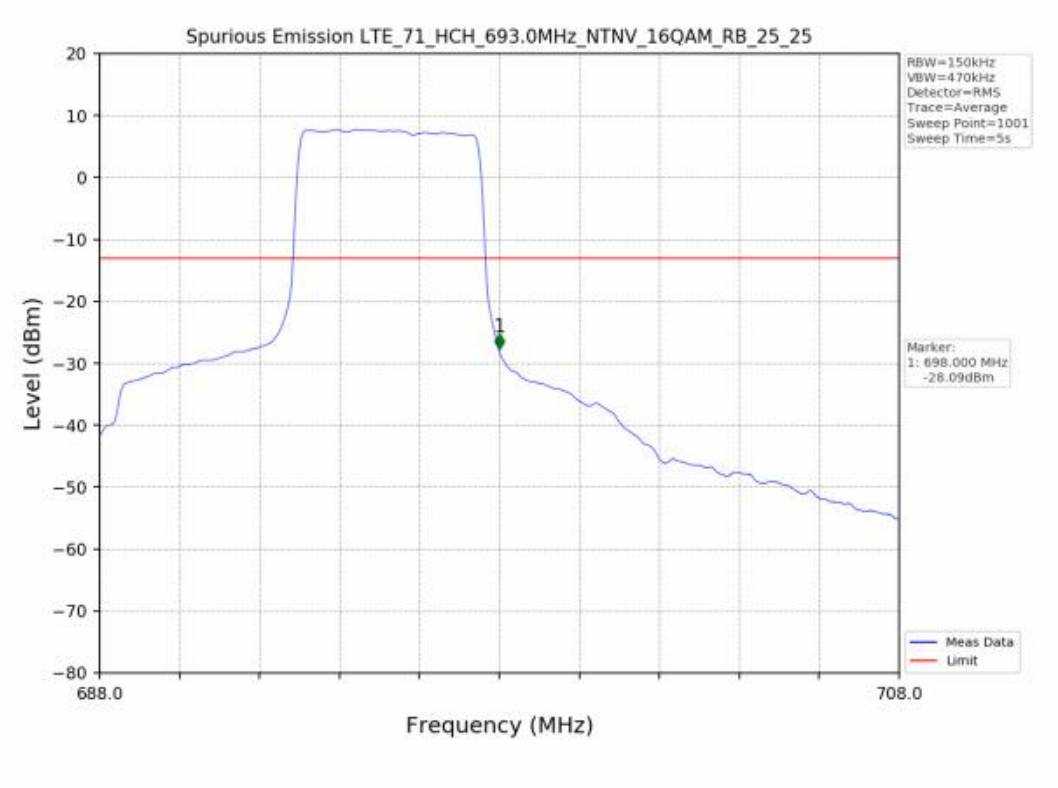

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-25.42dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
653.0
673.0

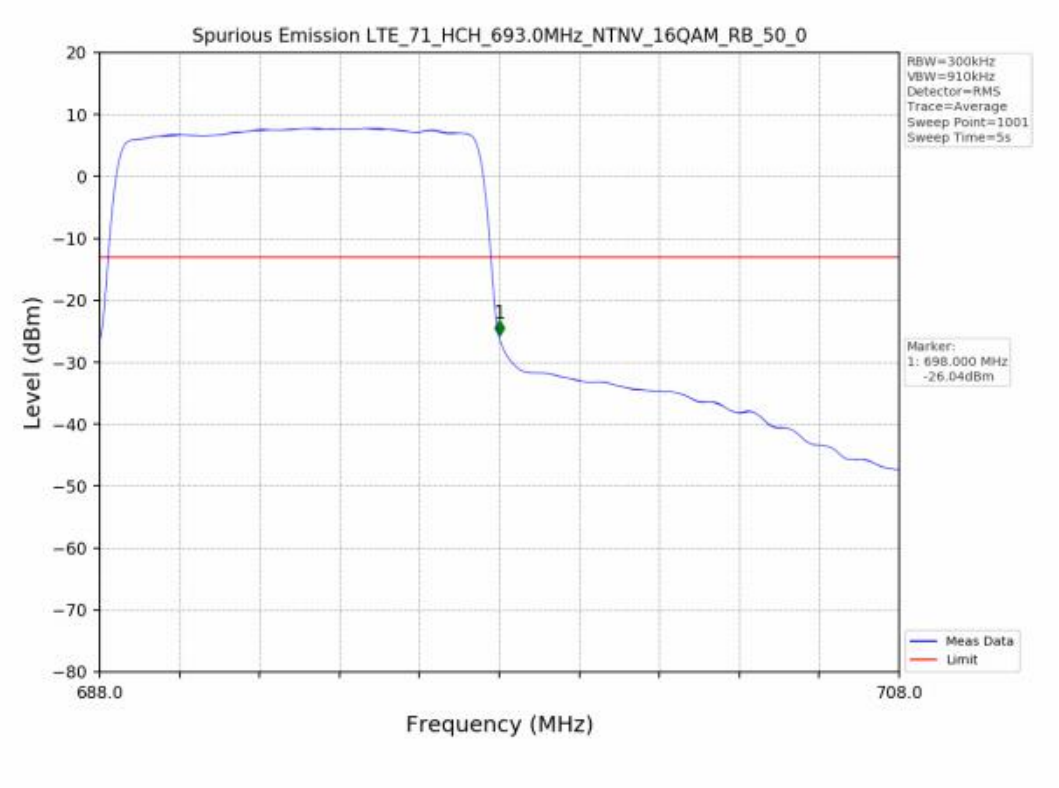

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-24.86dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
653.0
673.0

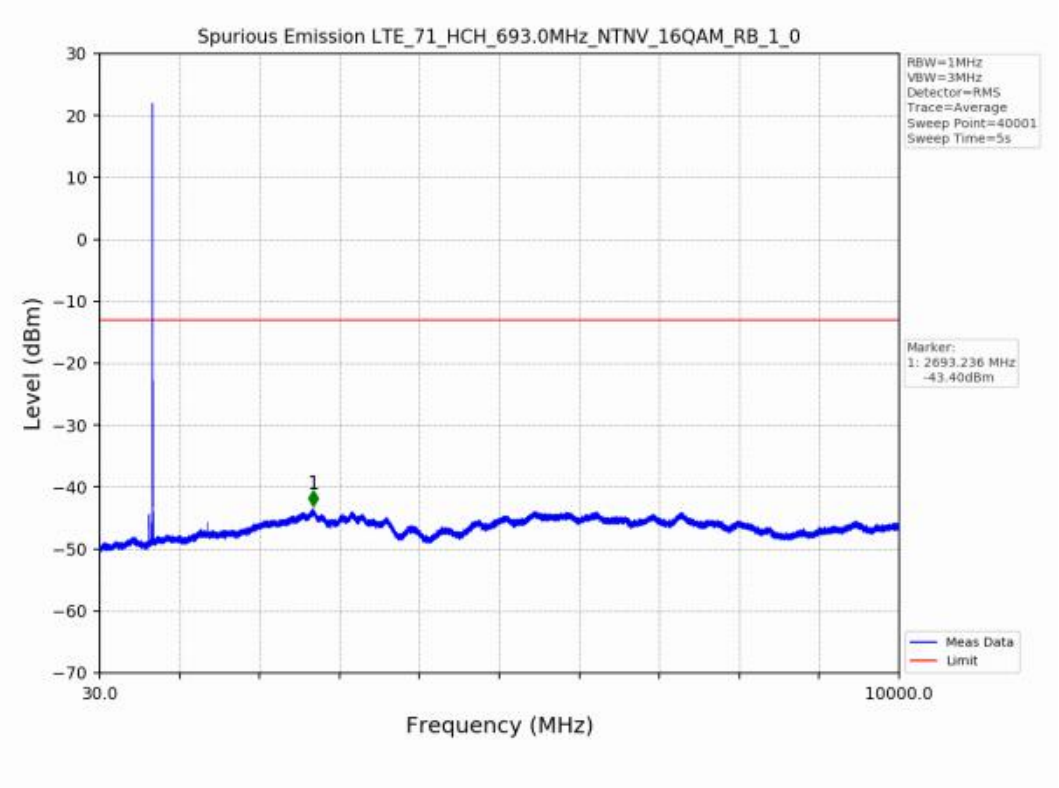

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2688.251 MHz
-43.23dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

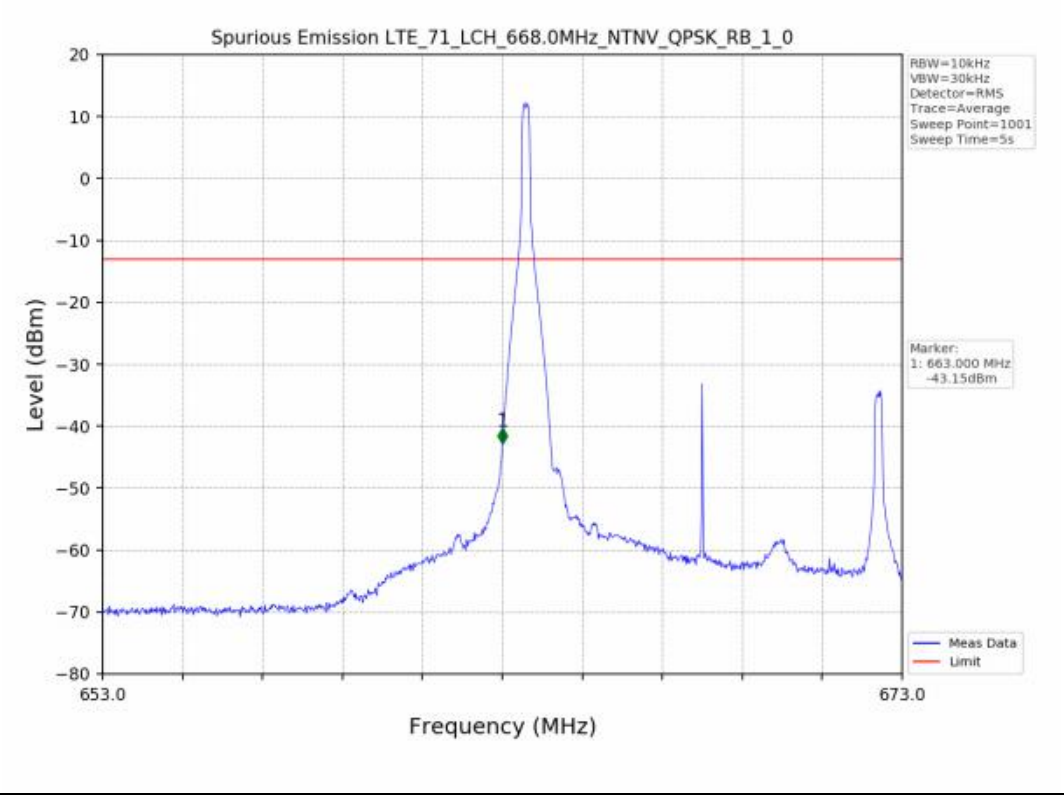

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2703.206 MHz
-43.64dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

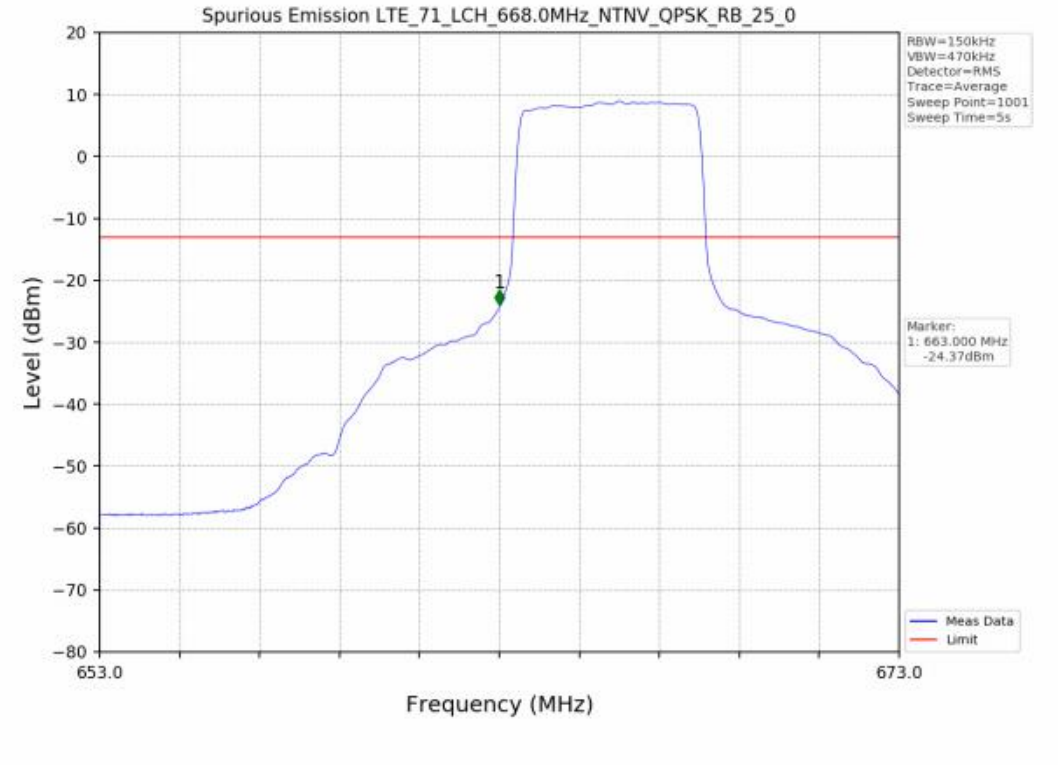

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_1_49
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-43.99dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
688.0
708.0

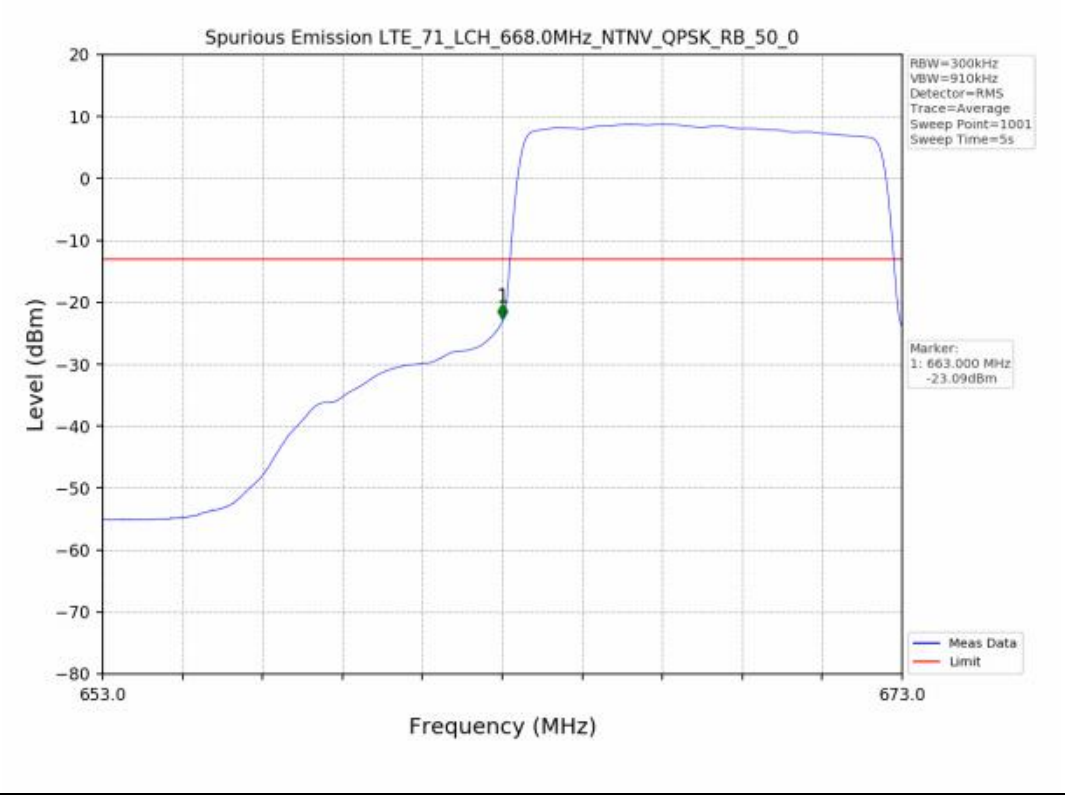

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_25_25
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-28.09dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
688.0
708.0

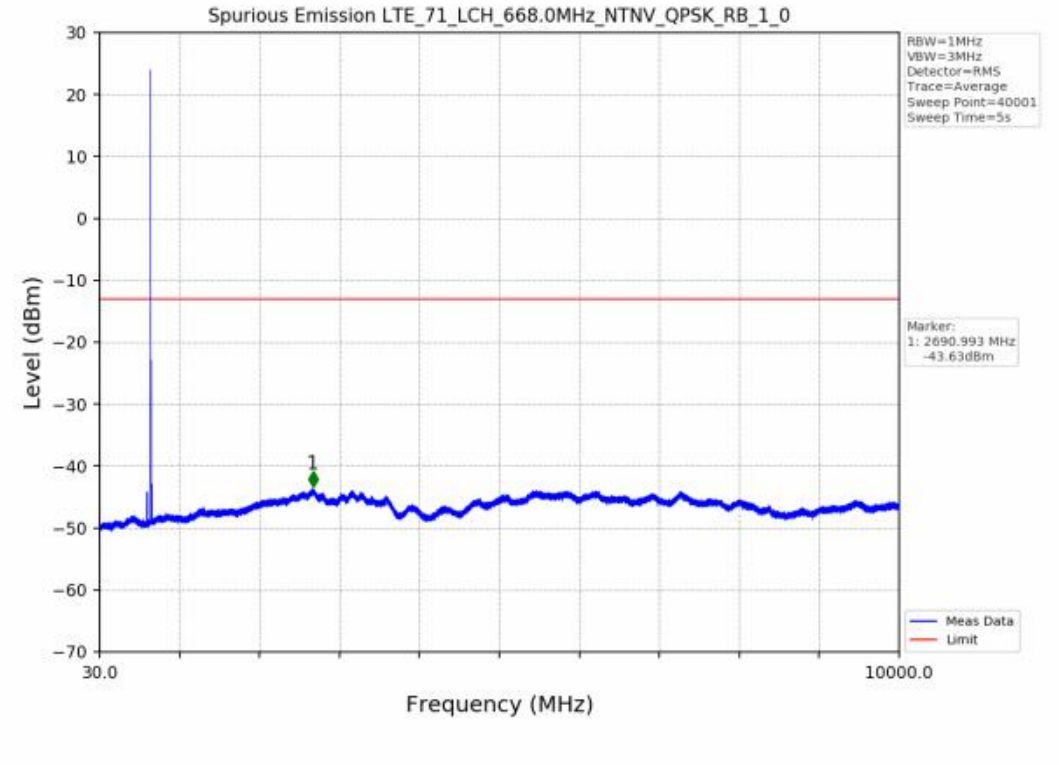

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-26.04dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
688.0
708.0

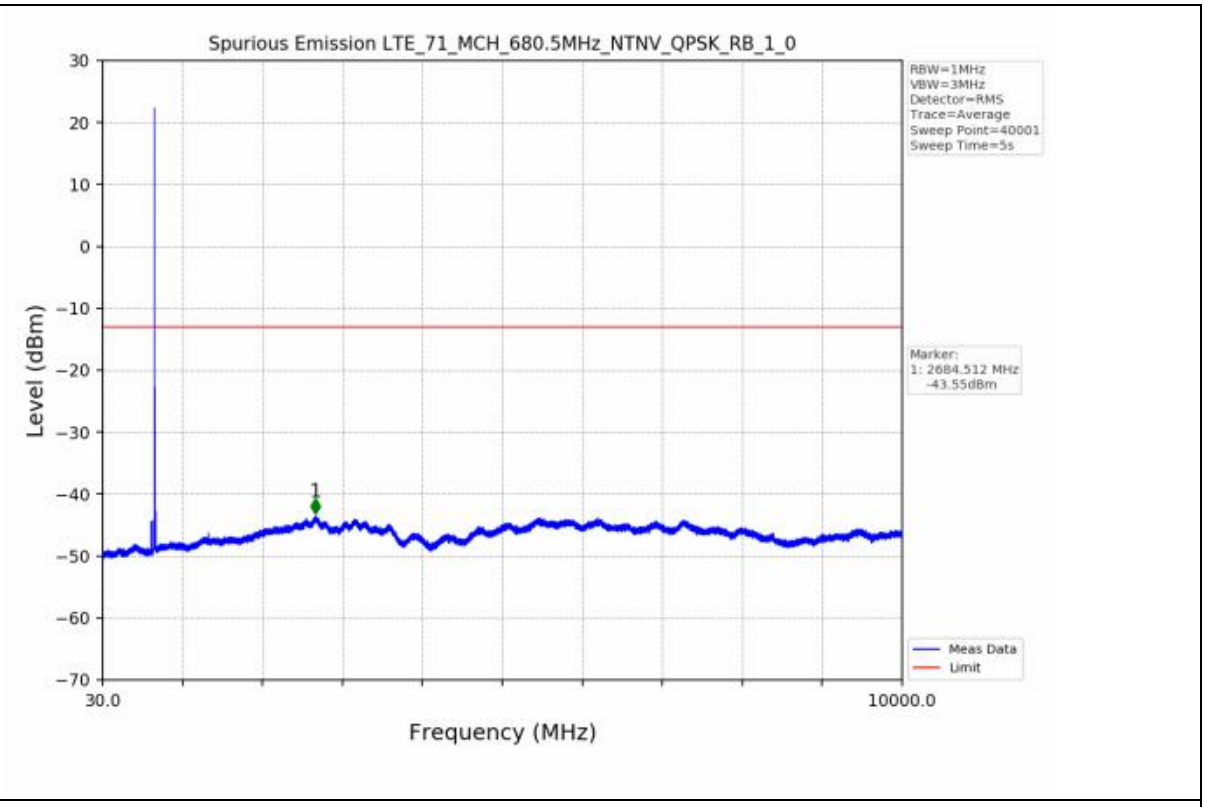

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2693.236 MHz
-43.40dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

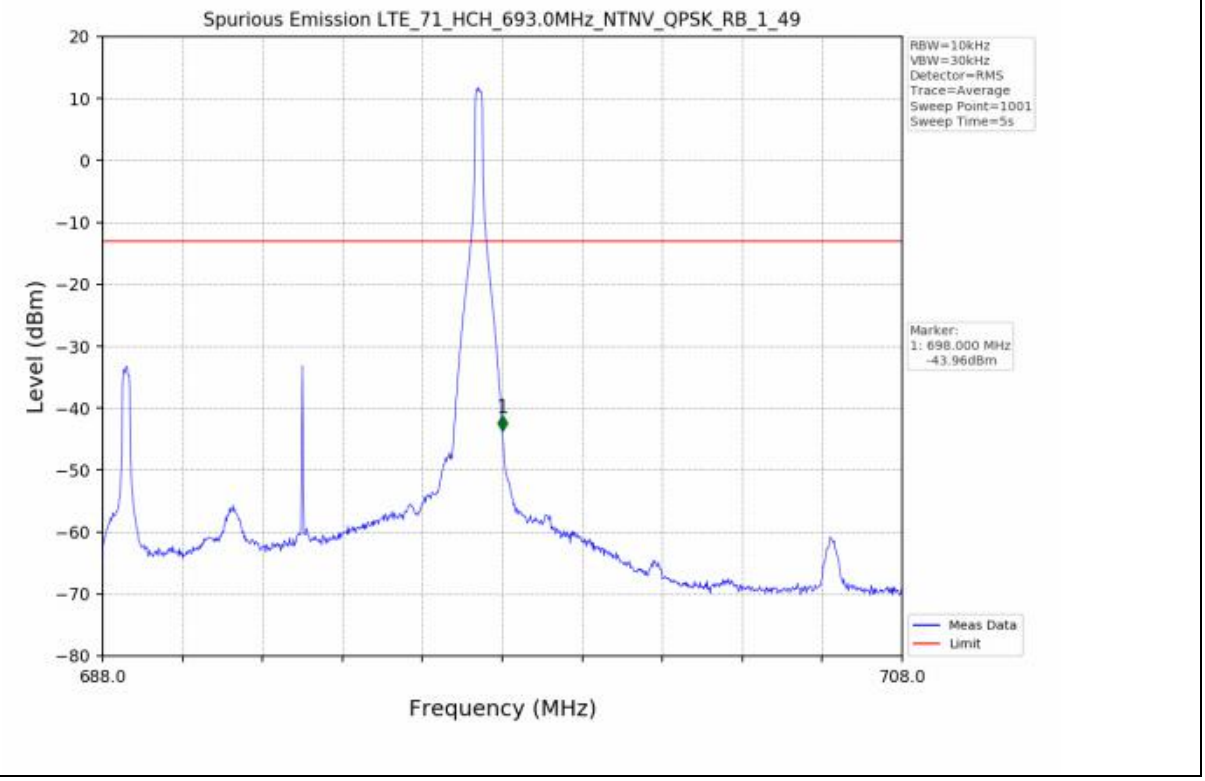

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-43.15dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
653.0
673.0

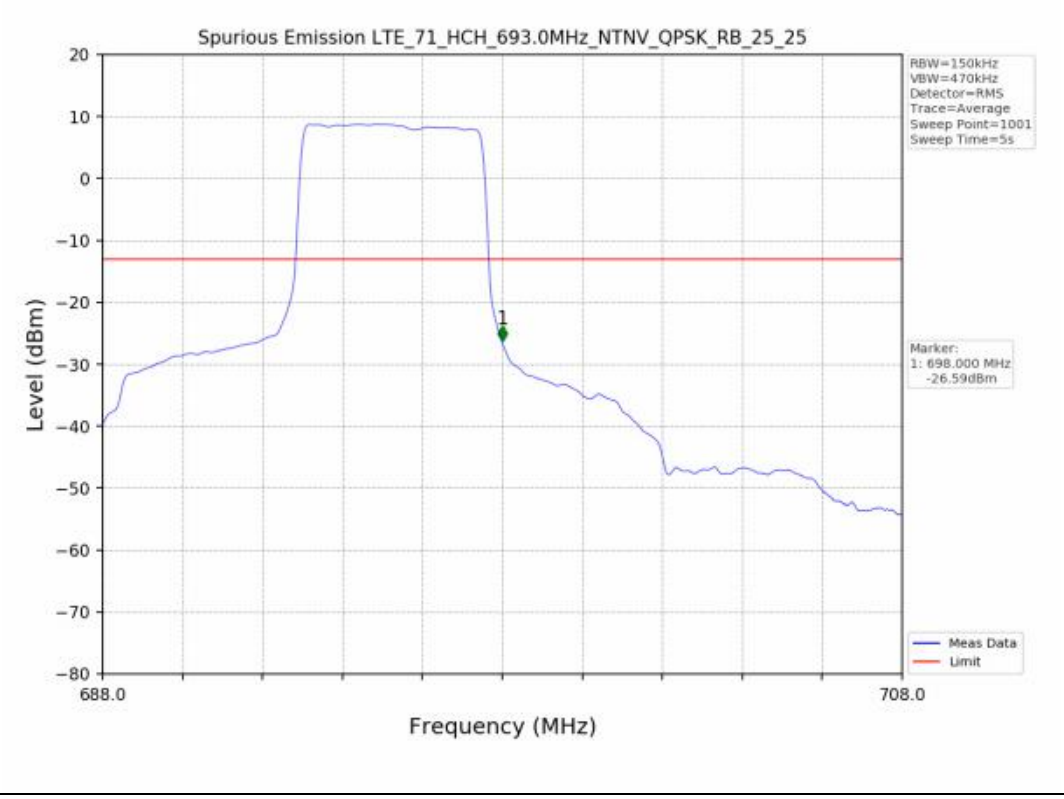

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-24.37dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
653.0
673.0

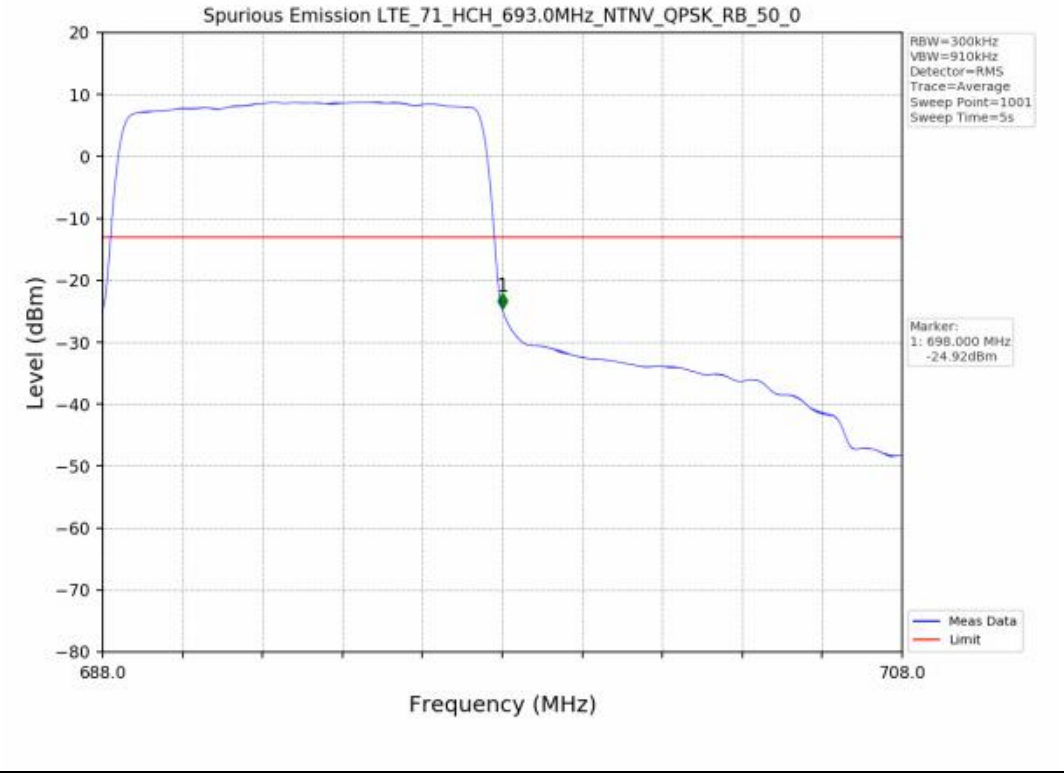

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-23.09dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
653.0
673.0

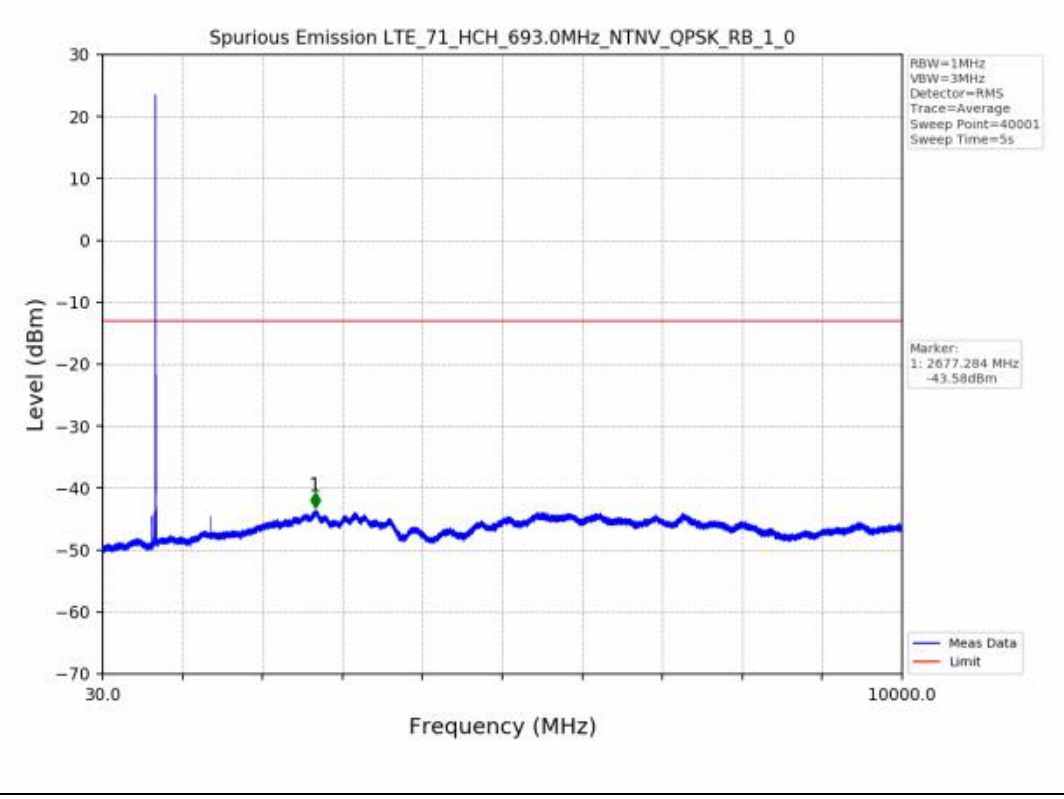

Spurious Emission LTE_71_LCH_668.0MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2690.993 MHz
-43.63dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

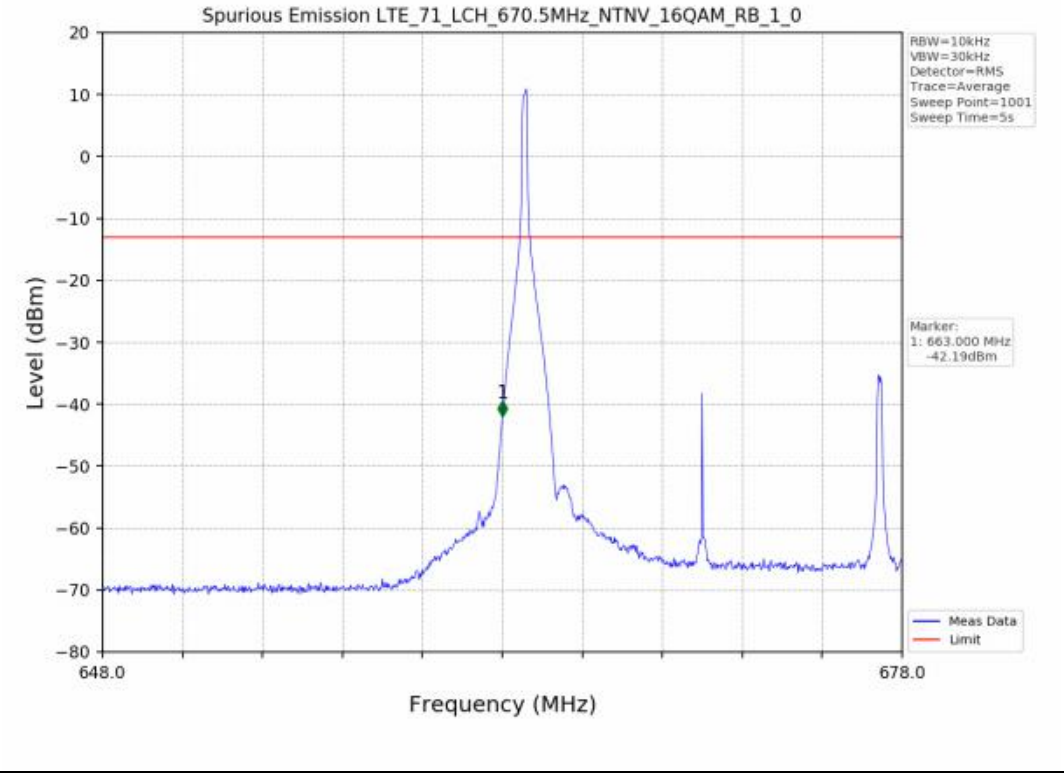

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2684.512 MHz
-43.55dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

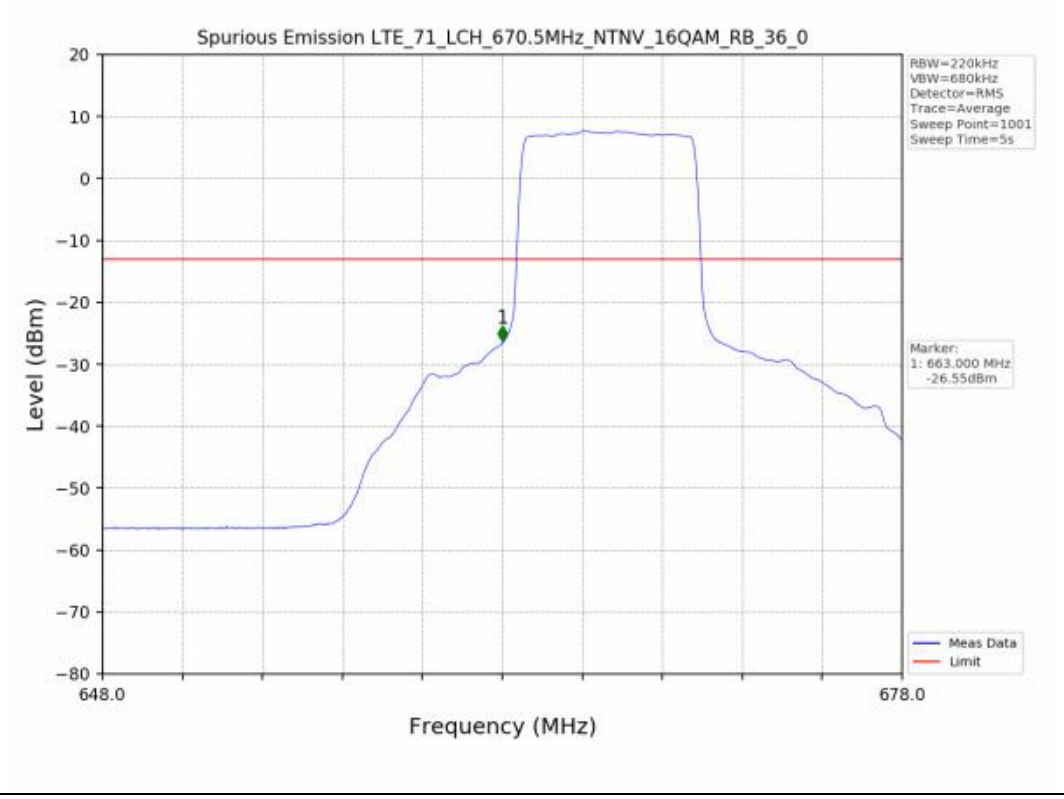

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_1_49
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-43.96dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
688.0
708.0

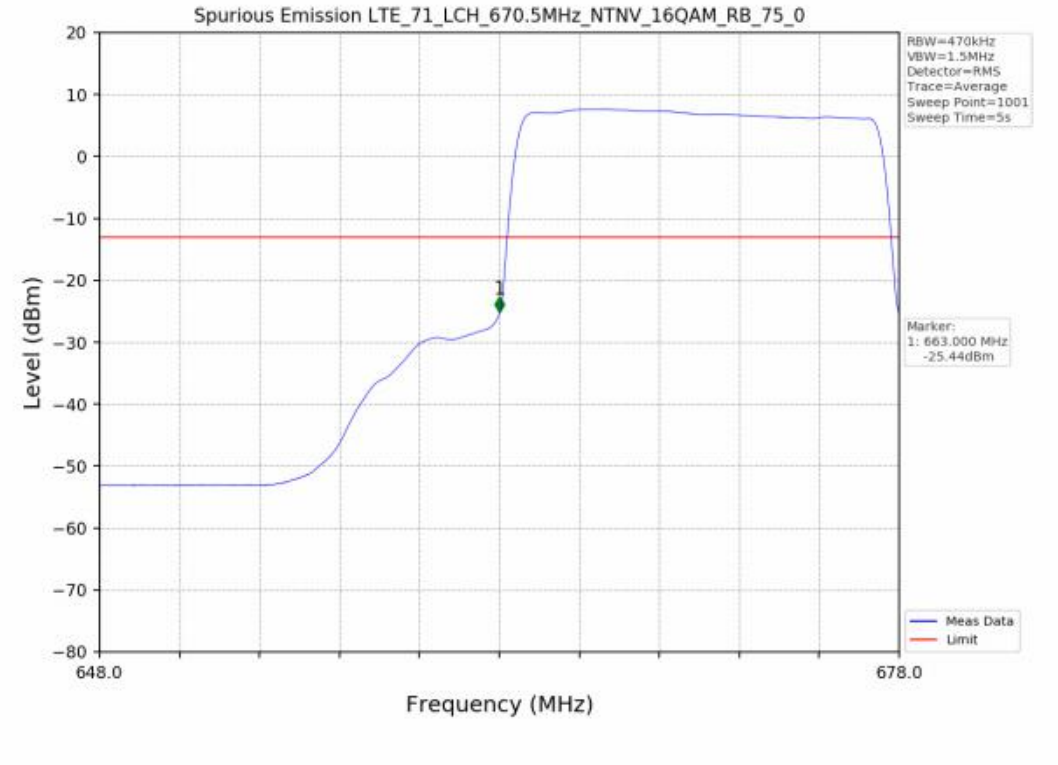

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_25_25
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-26.59dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
688.0
708.0

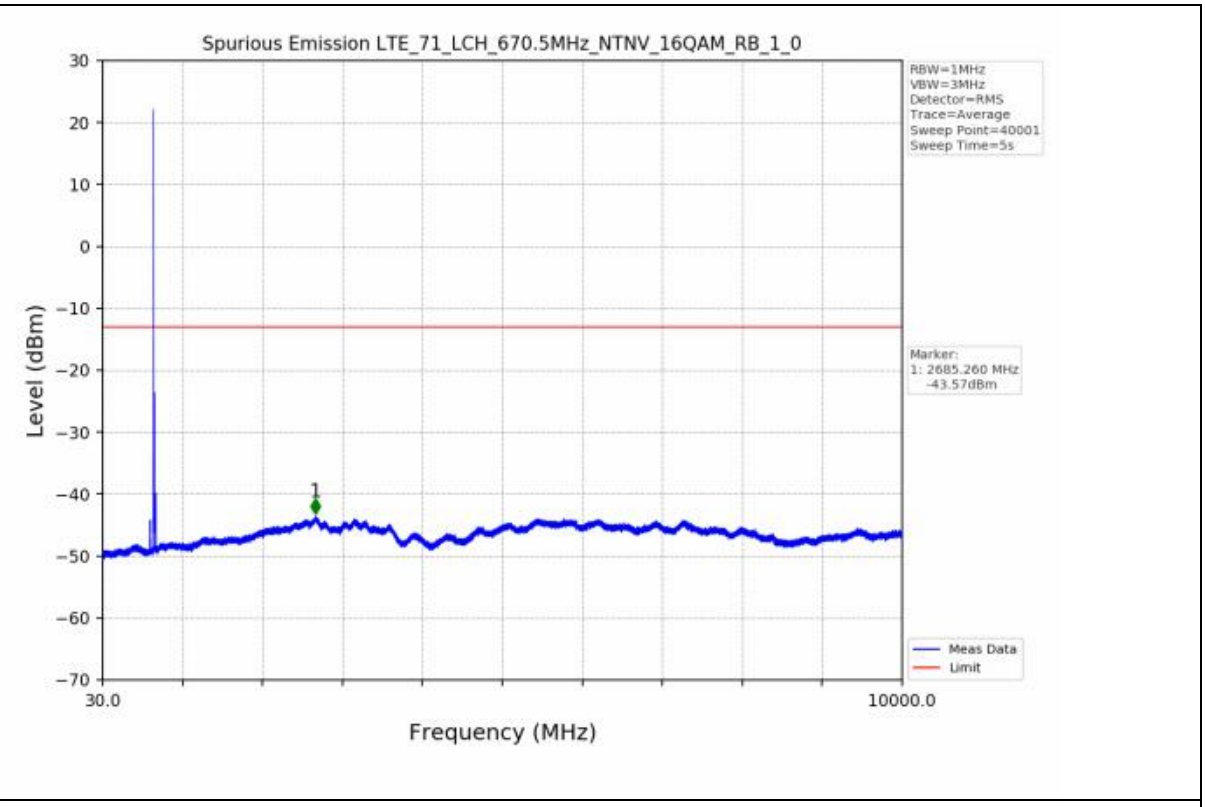

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-24.92dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
688.0
708.0

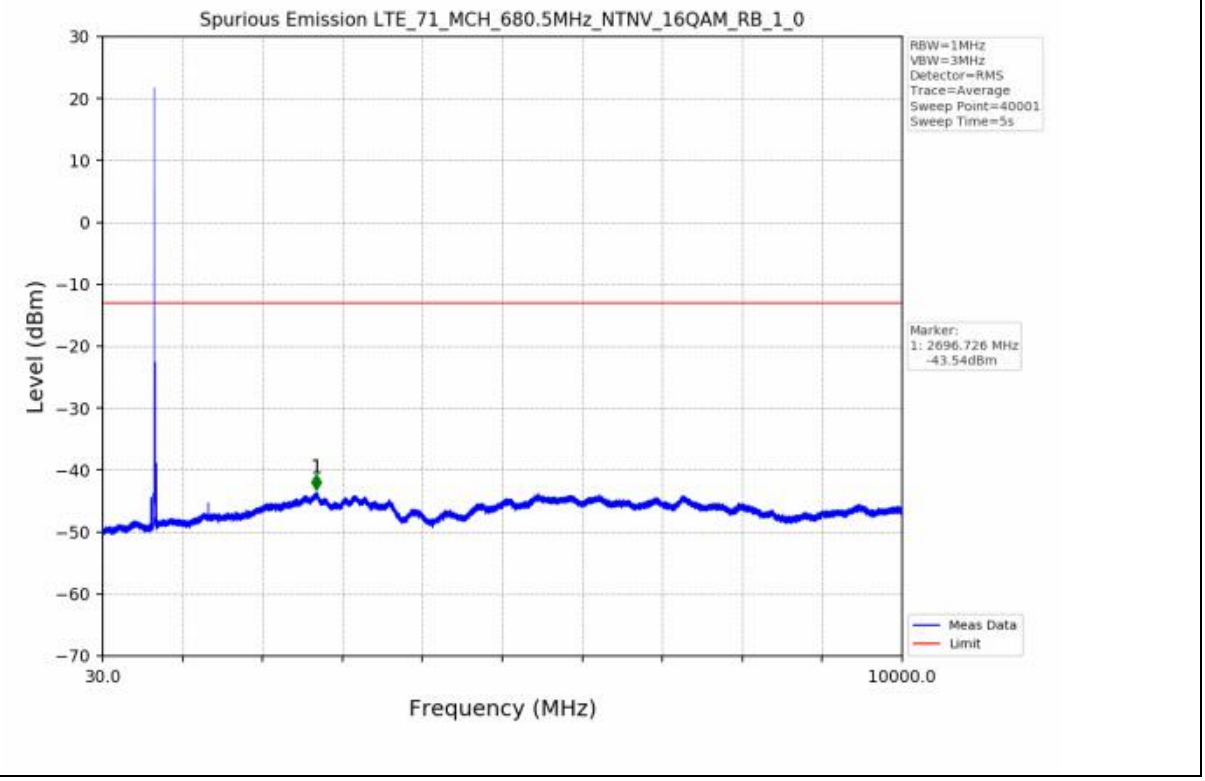

Spurious Emission LTE_71_HCH_693.0MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2677.284 MHz
-43.58dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

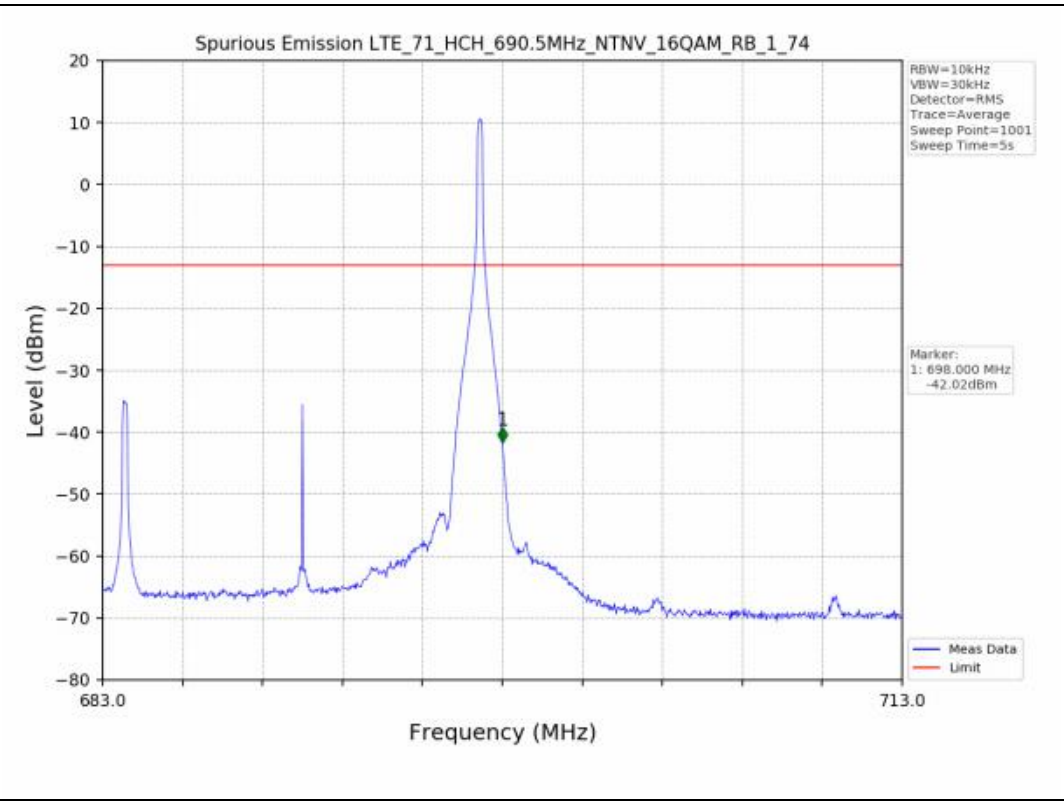

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_16QAM_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-42.19dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
648.0
678.0

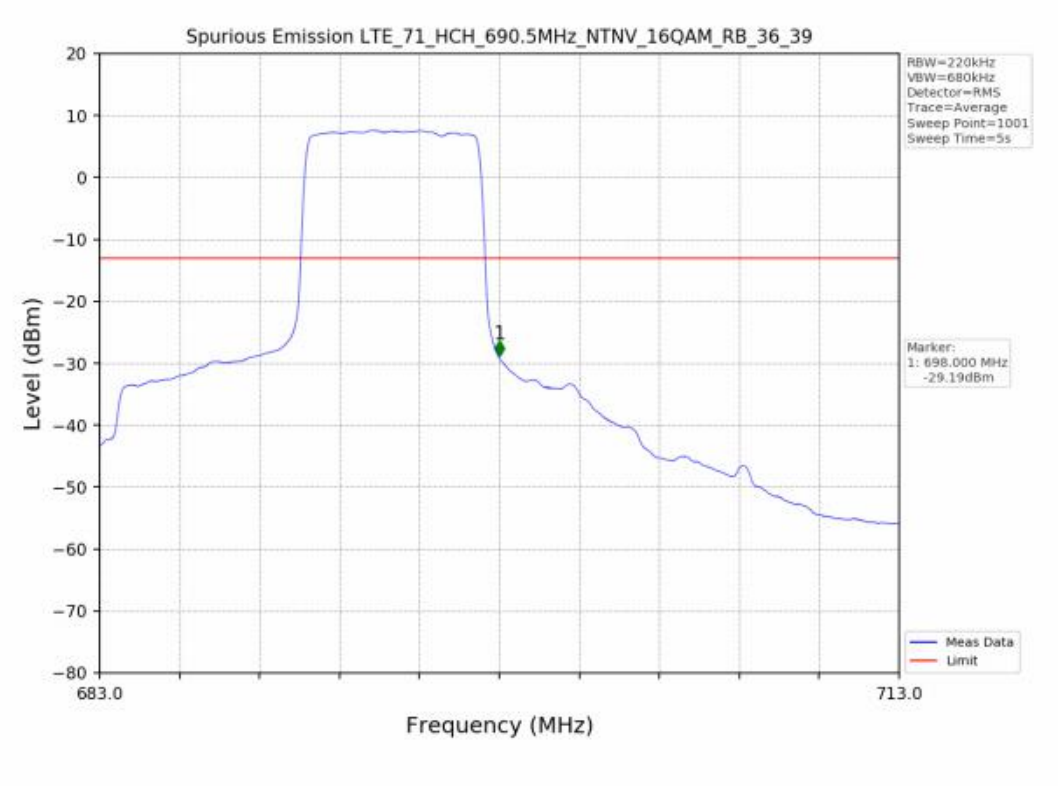

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_16QAM_RB_36_0
RBW=220kHz
VBW=680kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-26.55dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
648.0
678.0

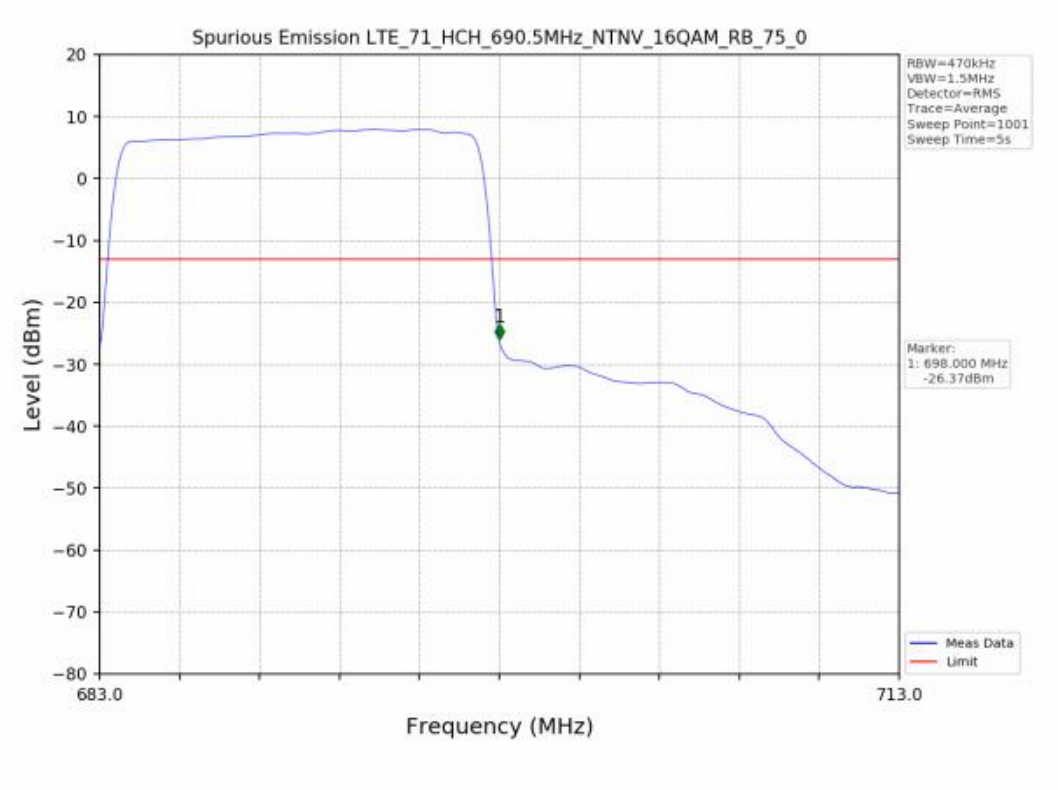

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_16QAM_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-25.44dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
648.0
678.0

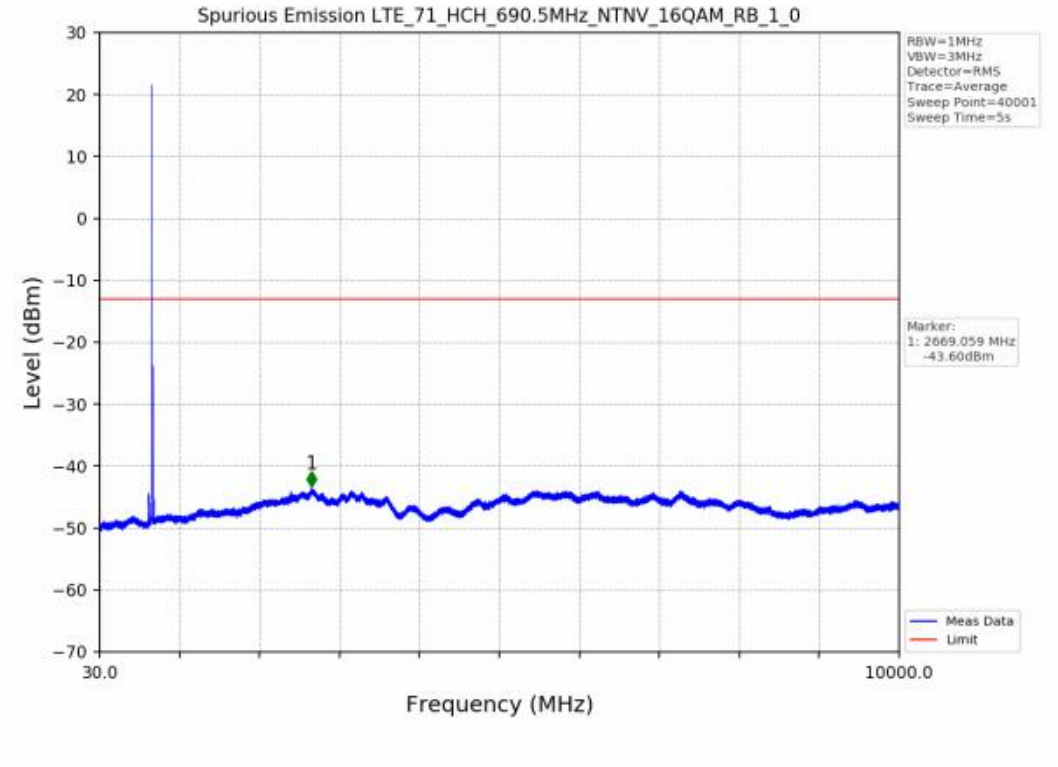

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2685.260 MHz
-43.57dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

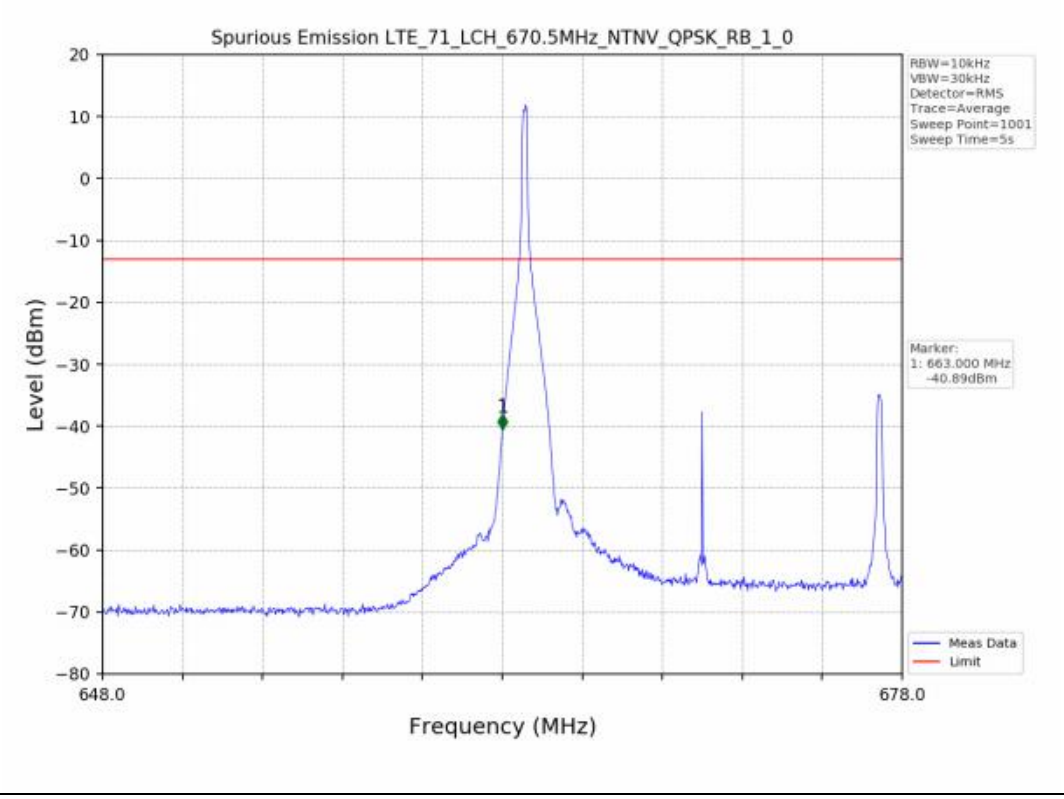

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2696.726 MHz
-43.54dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

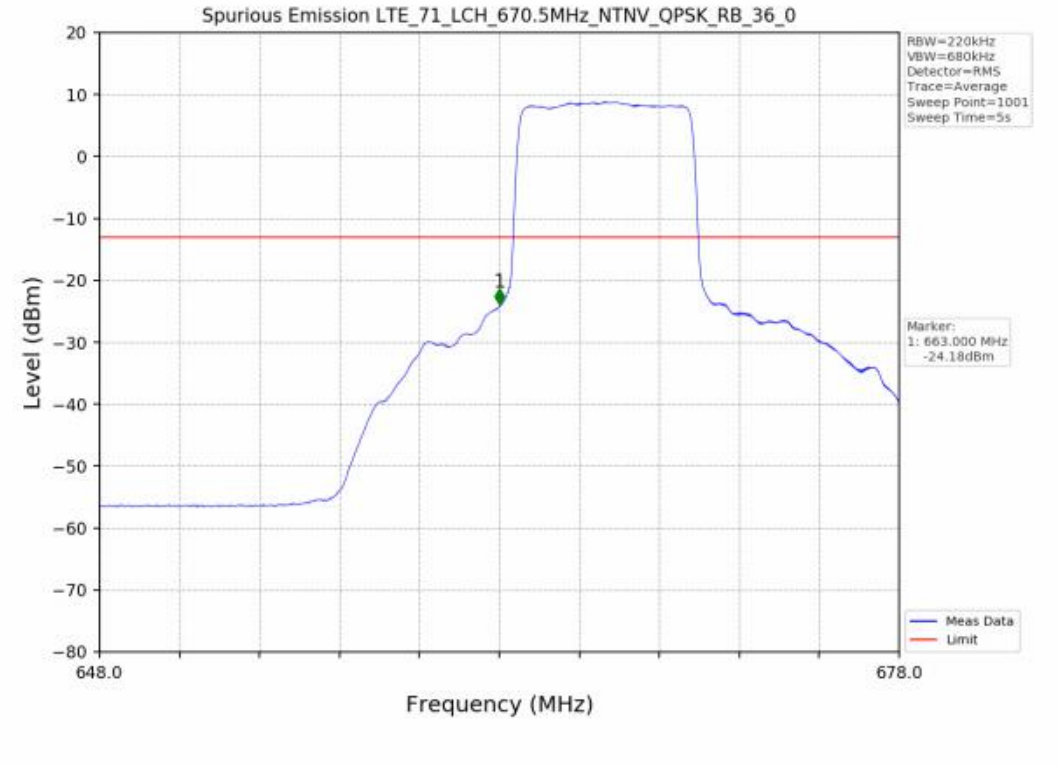

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_1_74
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-42.02dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
683.0
713.0

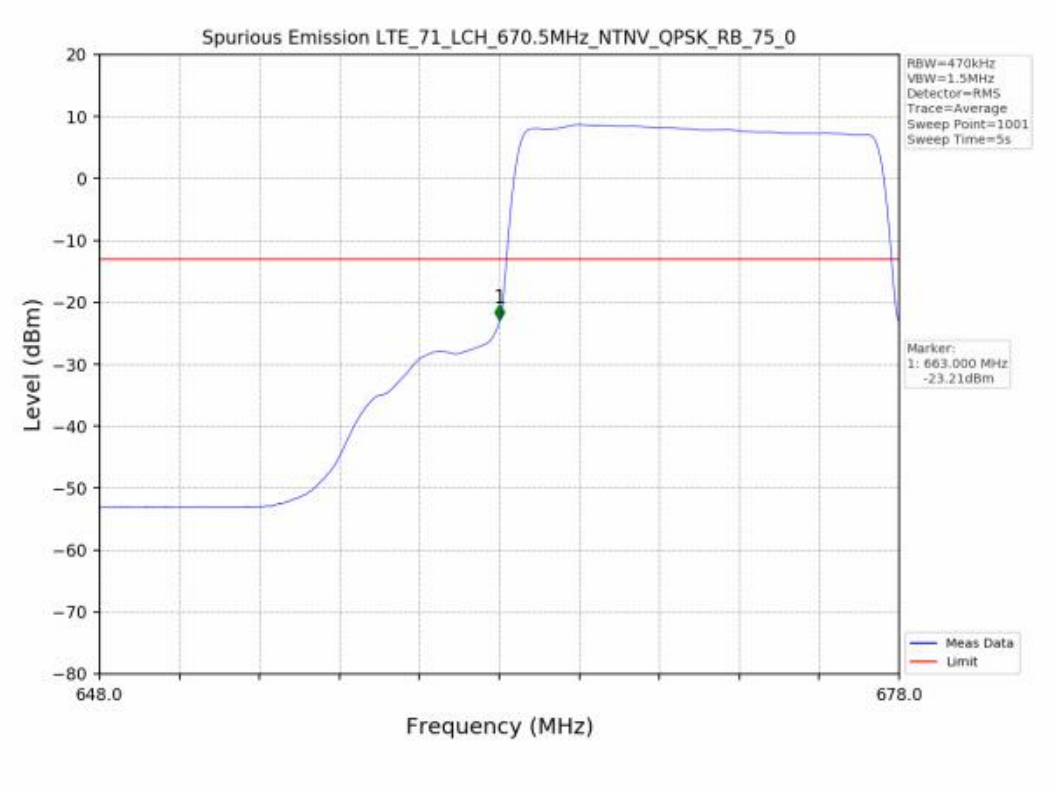

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_36_39
RBW=220kHz
VBW=680kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-29.19dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
683.0
713.0

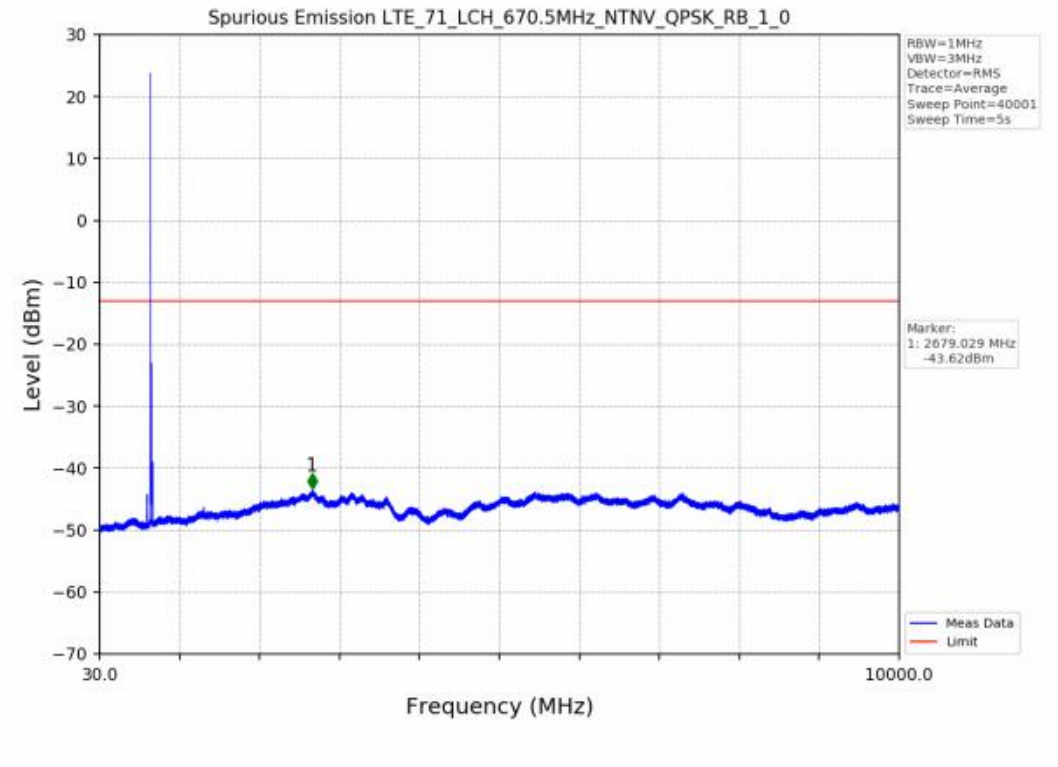

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-26.37dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
683.0
713.0

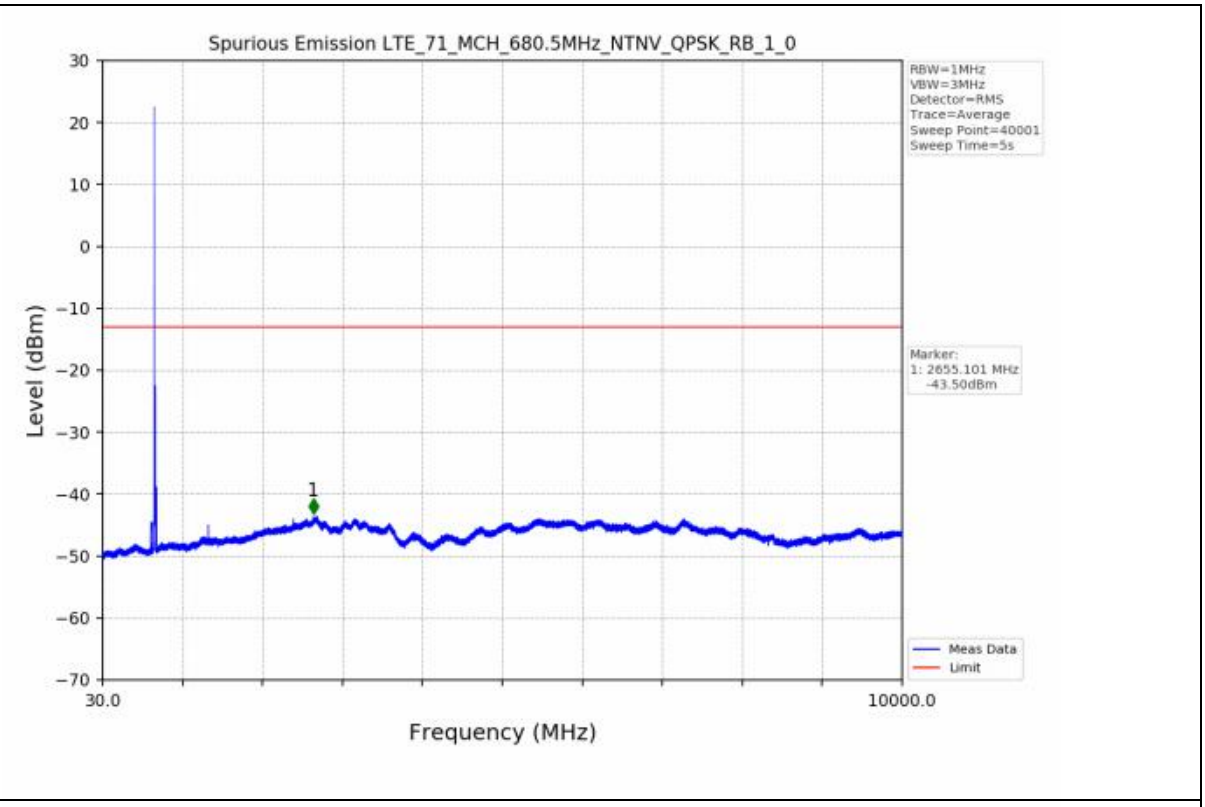

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2669.059 MHz
-43.60dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

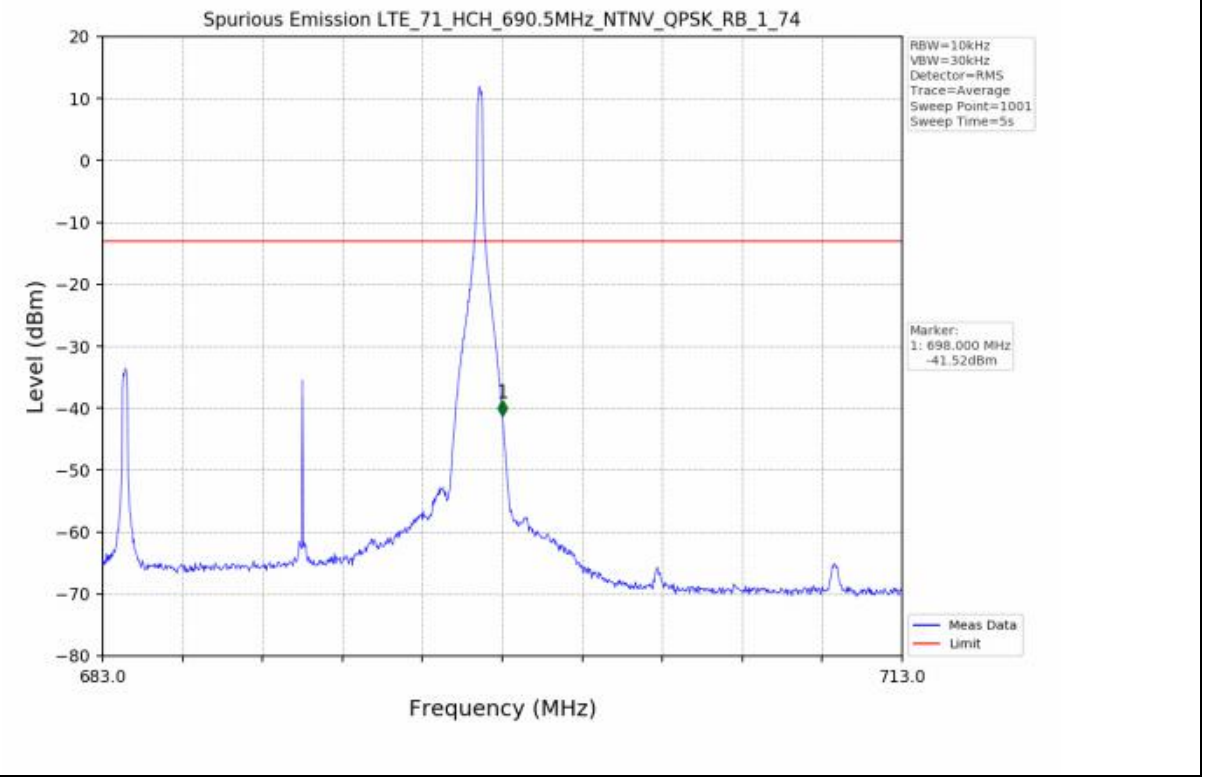

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-40.89dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
648.0
678.0

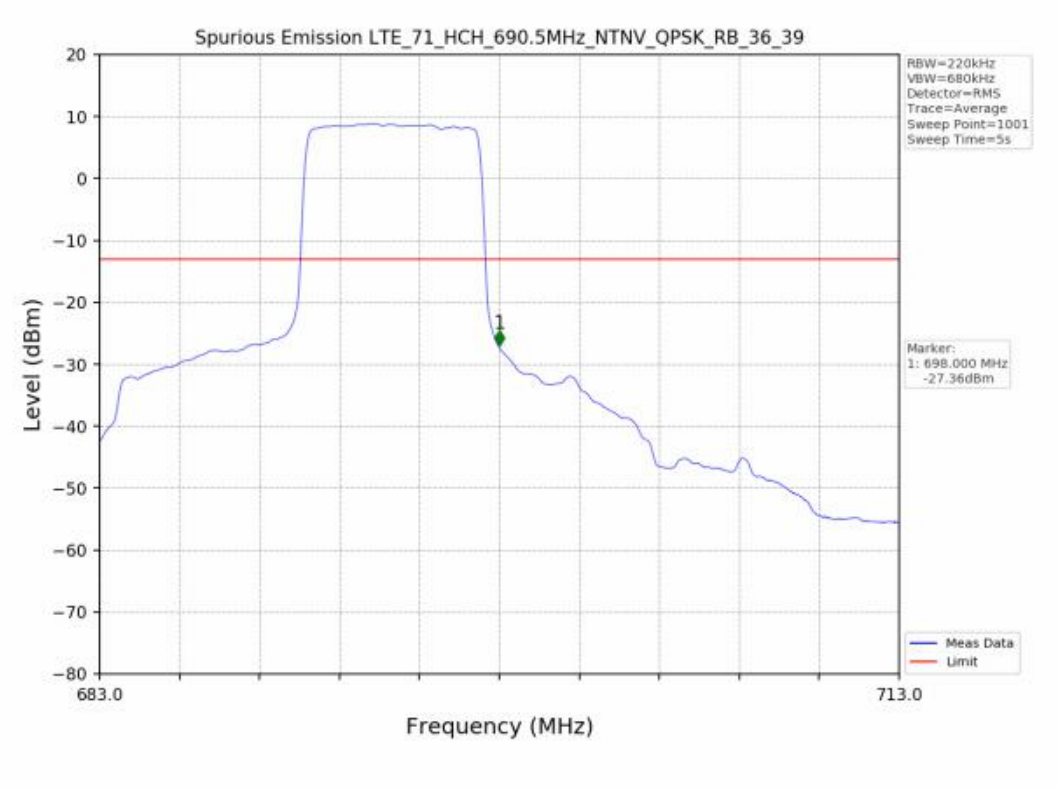

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_36_0
RBW=220kHz
VBW=680kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-24.18dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
648.0
678.0

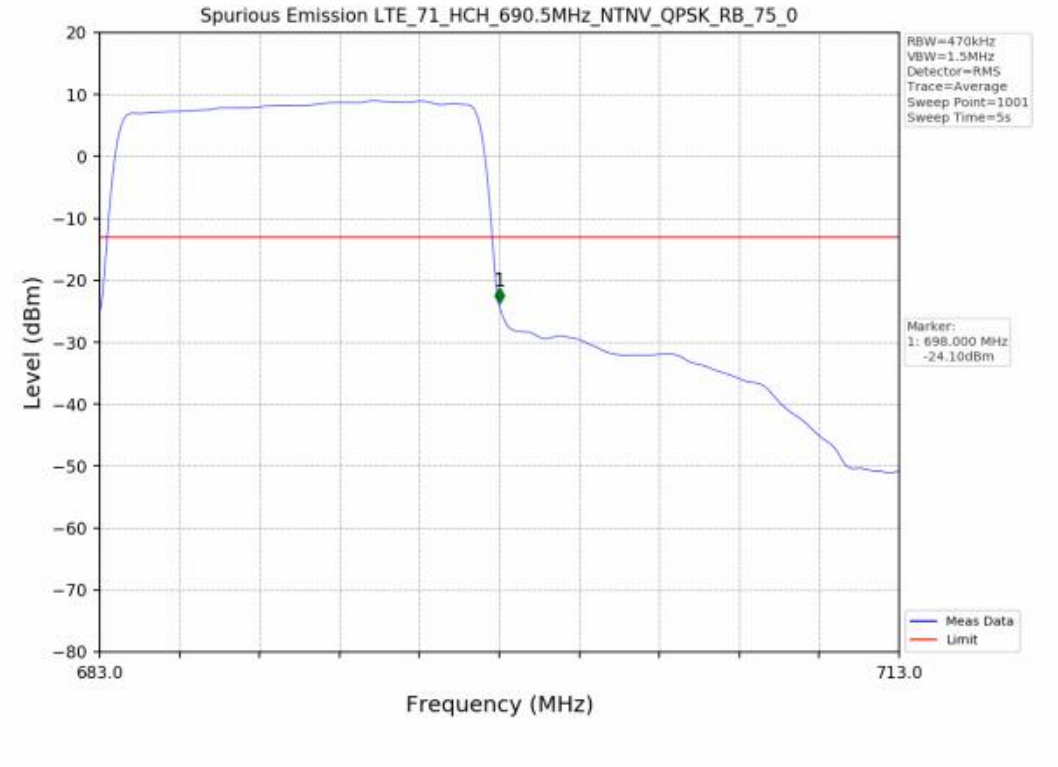

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-23.21dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
648.0
678.0

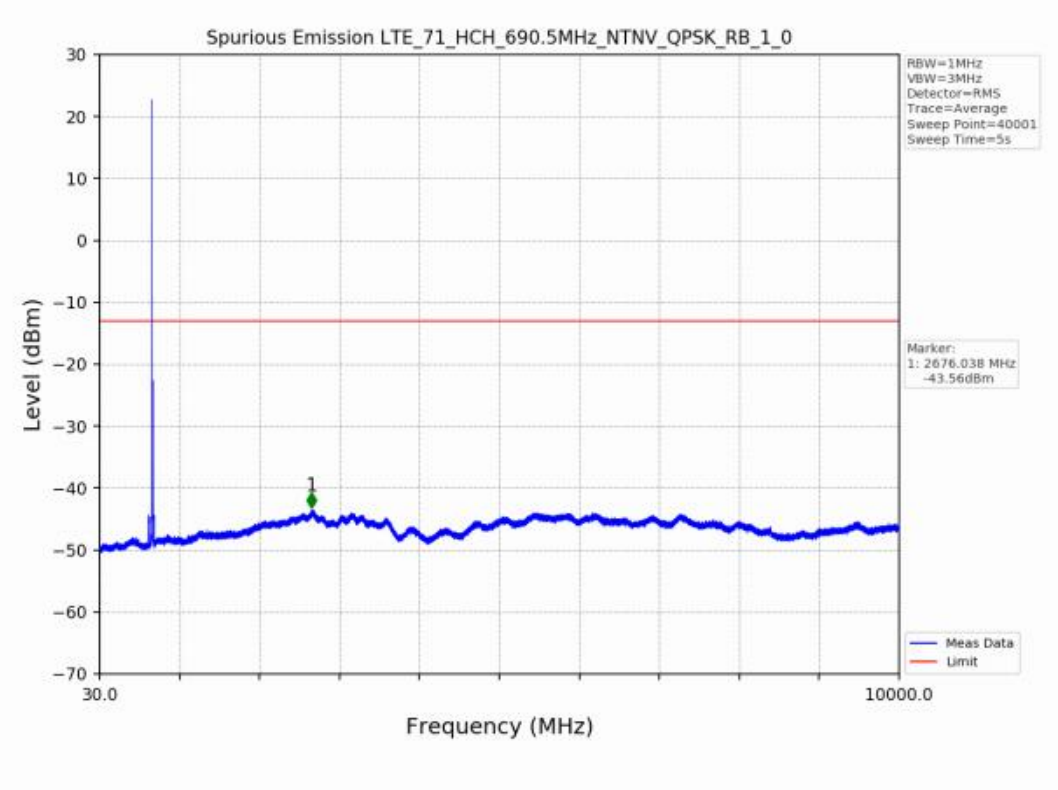

Spurious Emission LTE_71_LCH_670.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2679.029 MHz
-43.62dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
30.0
10000.0

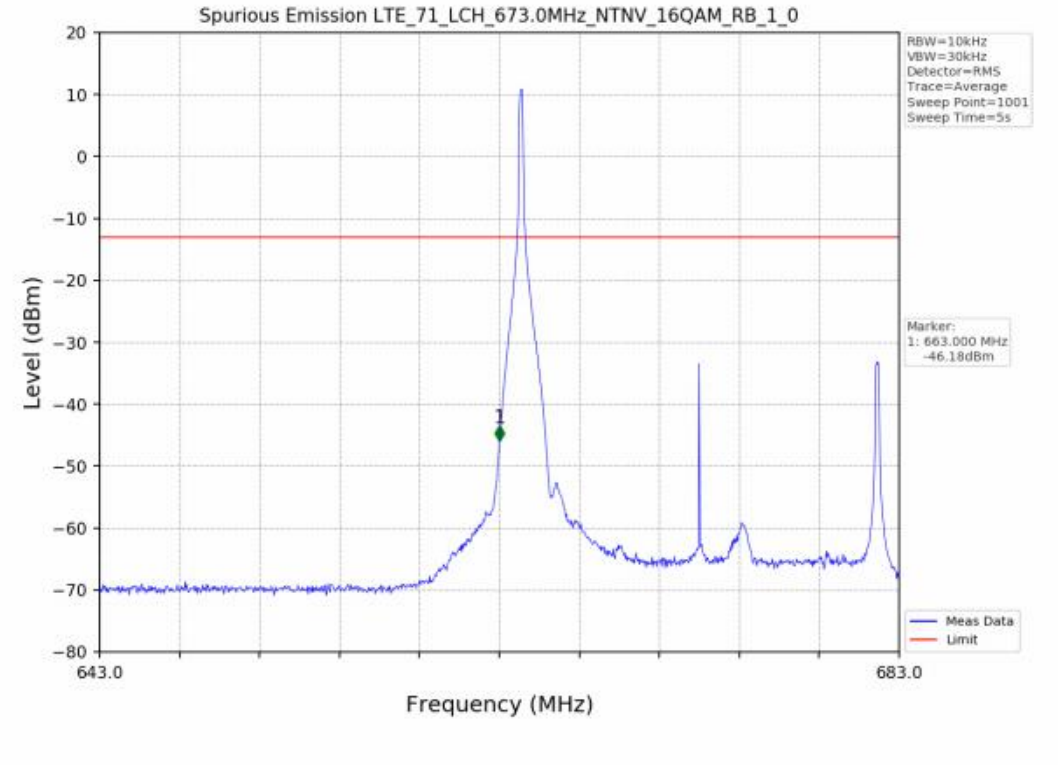

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2655.101 MHz
-43.50dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

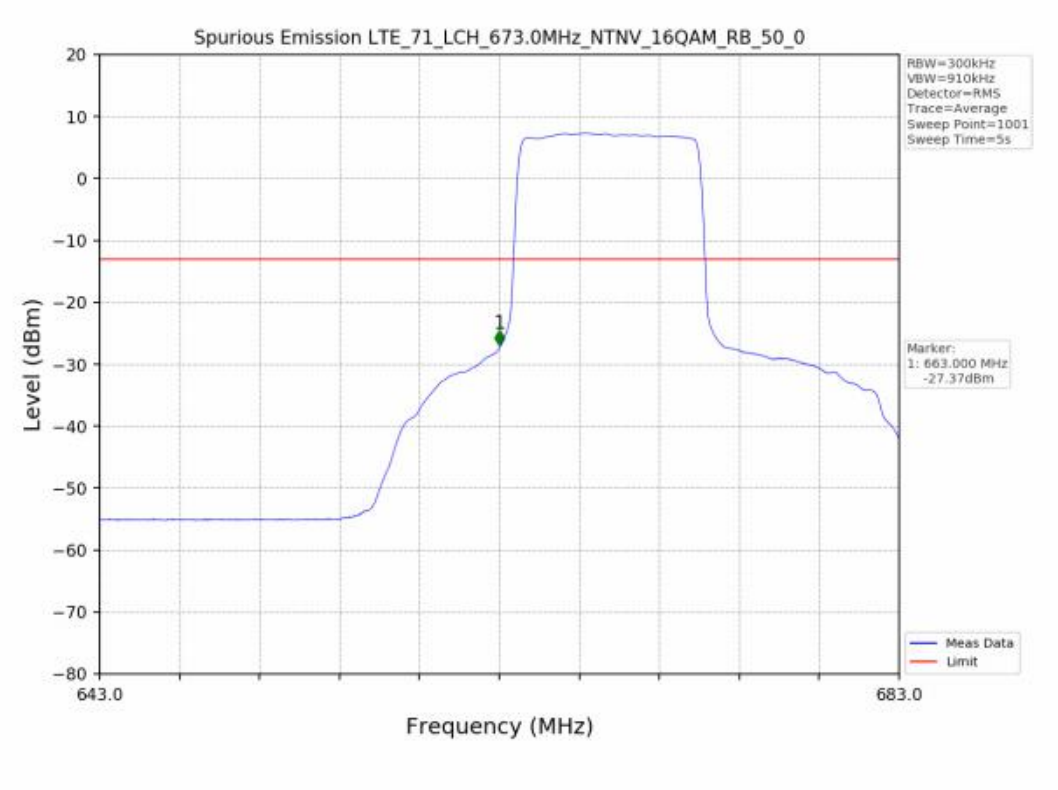

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_1_74
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-41.52dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
683.0
713.0

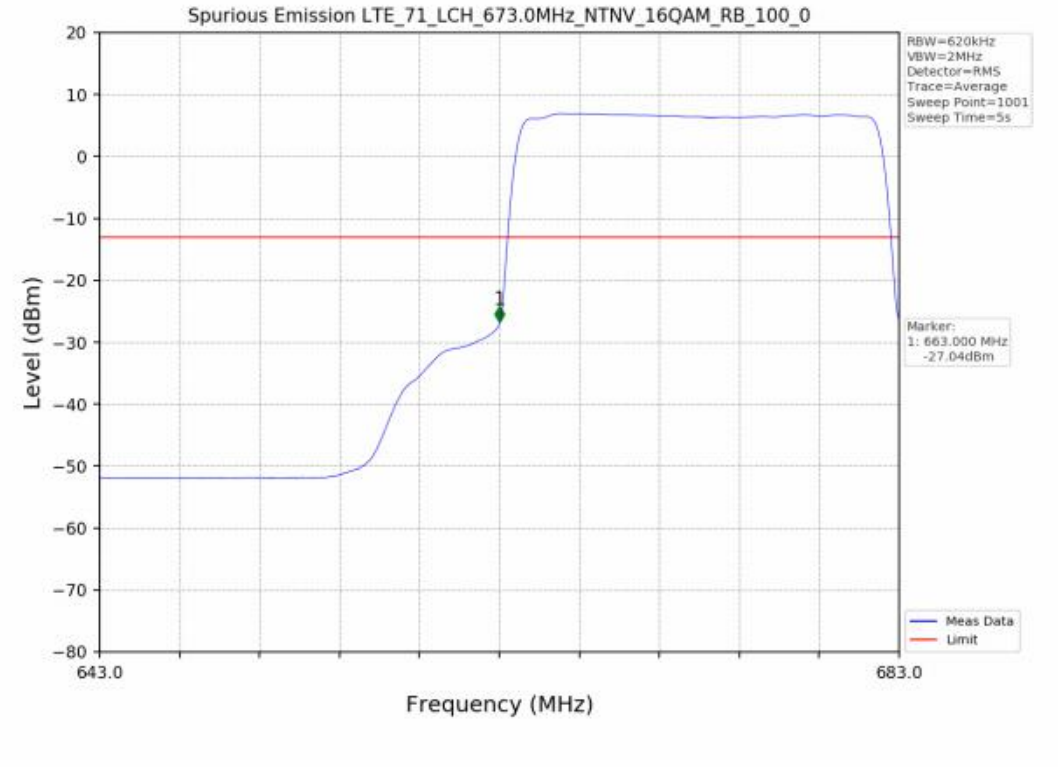

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_36_39
RBW=220kHz
VBW=680kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-27.36dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
683.0
713.0

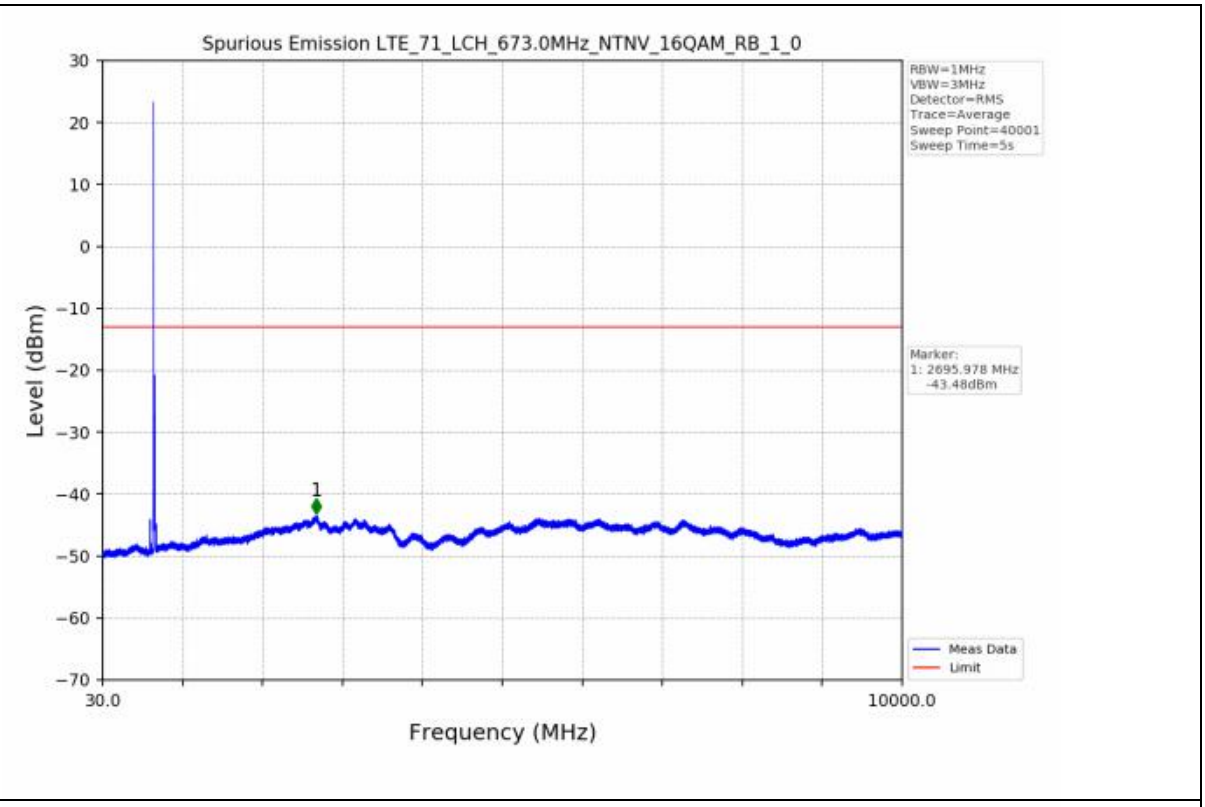

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_75_0
RBW=470kHz
VBW=1.5MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-24.10dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
683.0
713.0

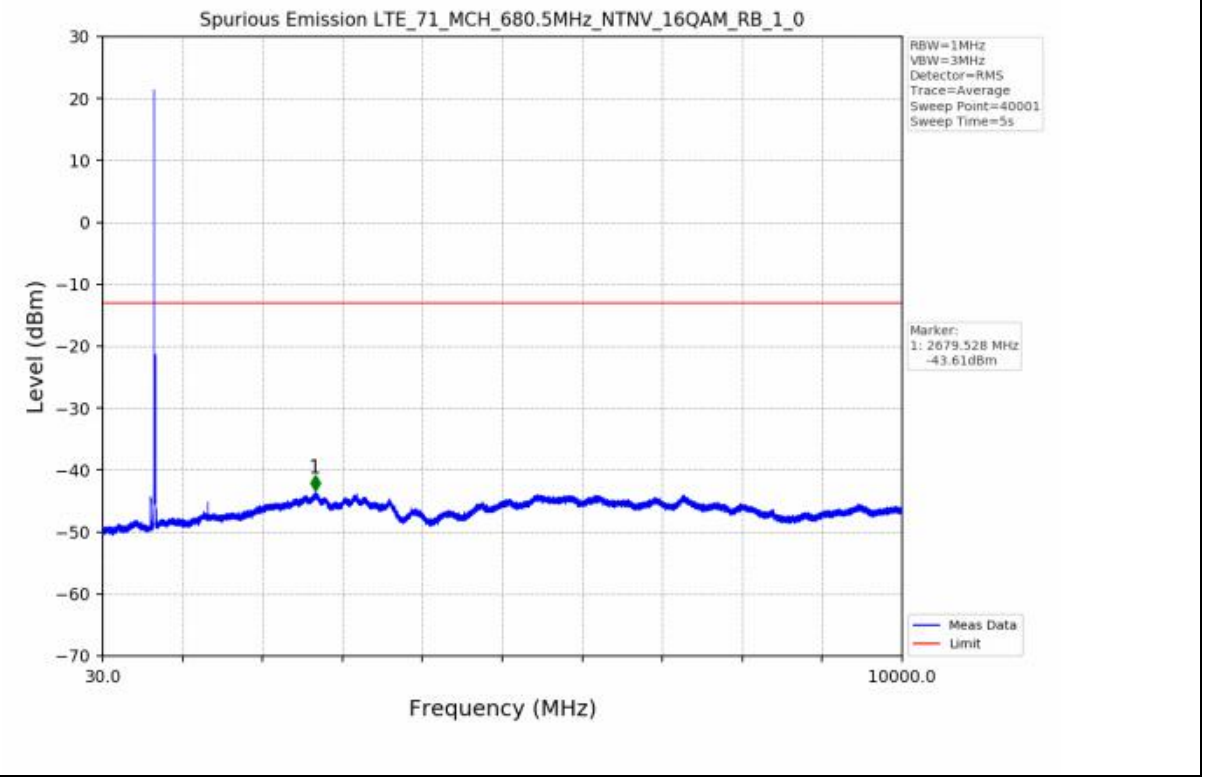

Spurious Emission LTE_71_HCH_690.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2676.038 MHz
-43.56dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

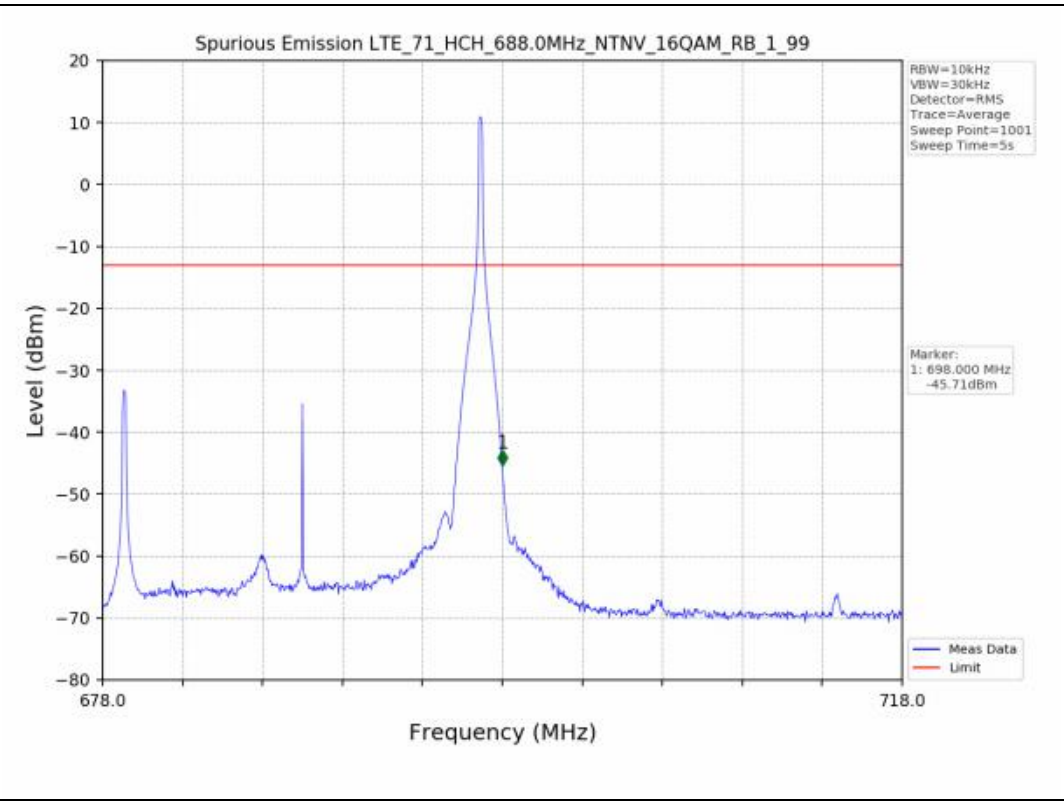

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_16QAM_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-46.18dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
643.0
683.0

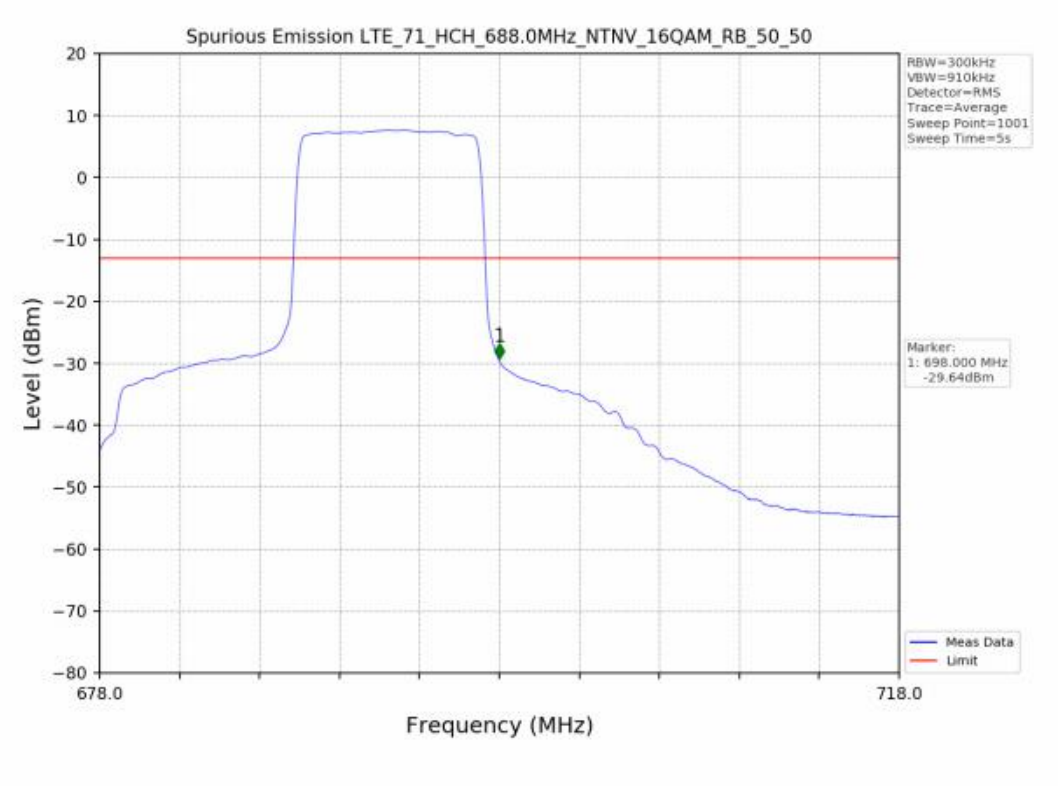

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-27.37dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
643.0
683.0

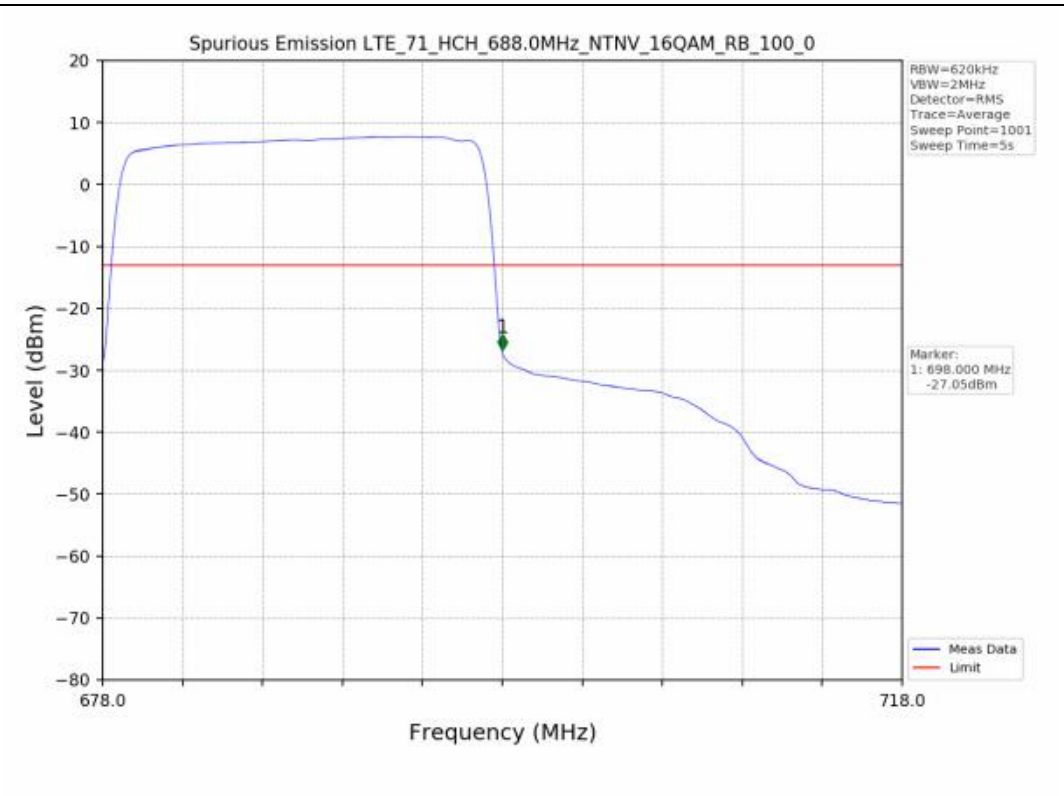

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_16QAM_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-27.04dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
643.0
683.0

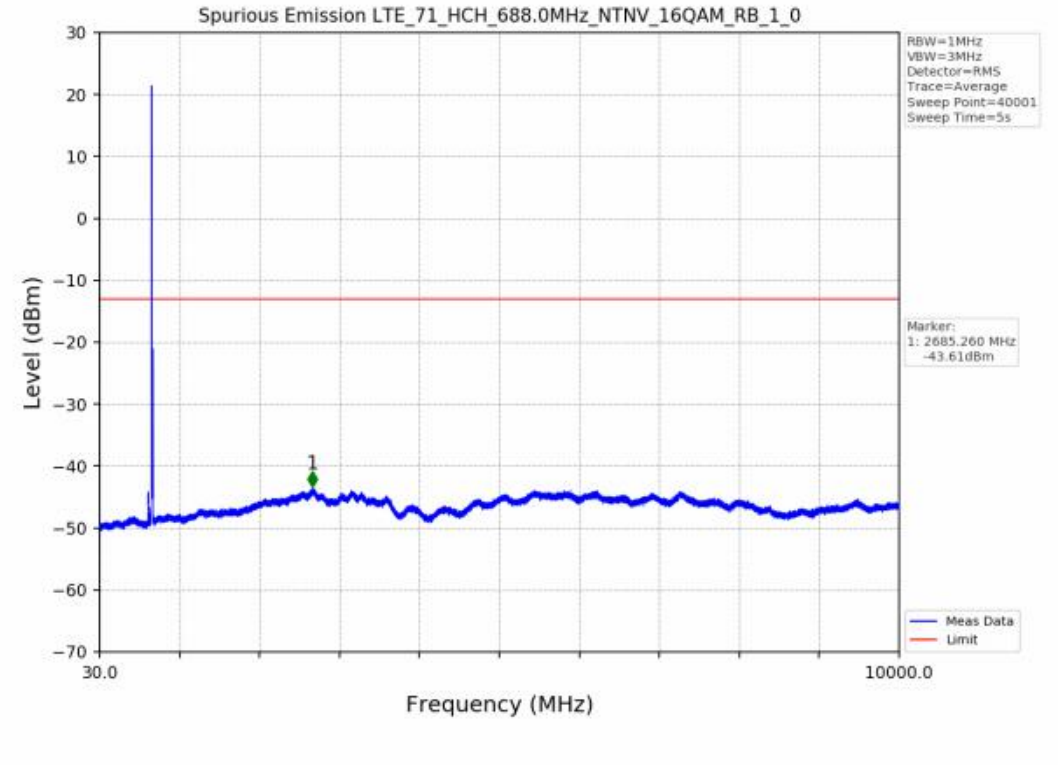

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2695.978 MHz
-43.48dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

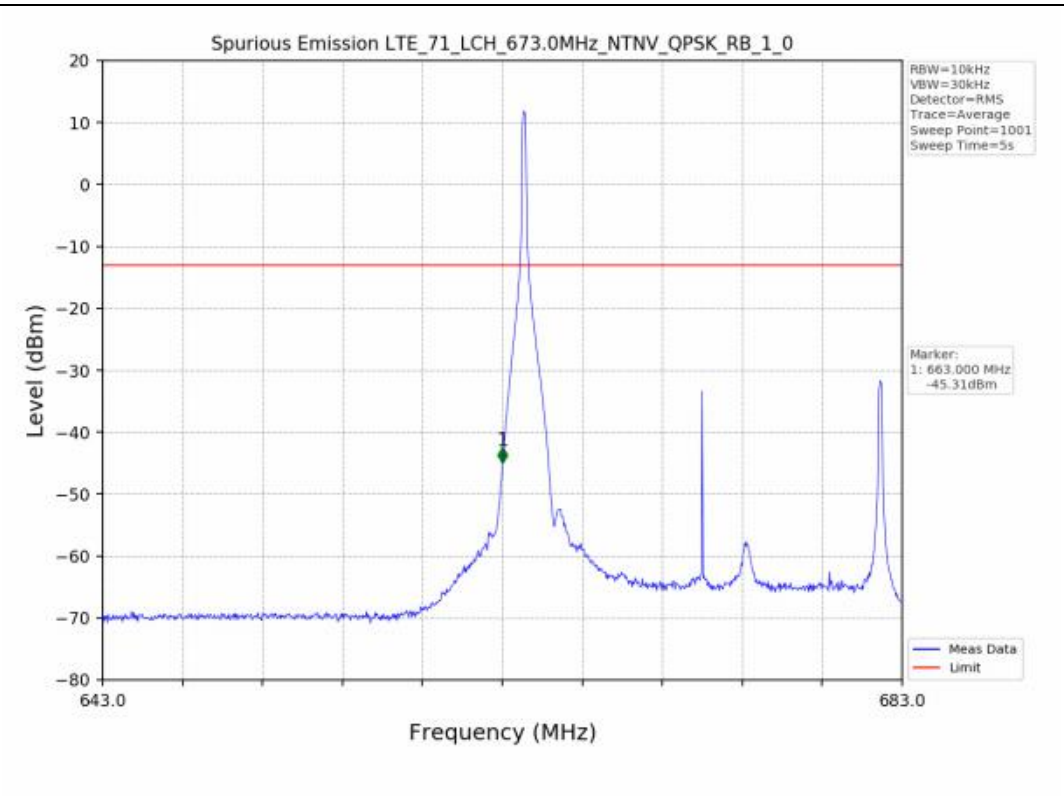

Spurious Emission LTE_71_MCH_680.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2679.528 MHz
-43.61dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

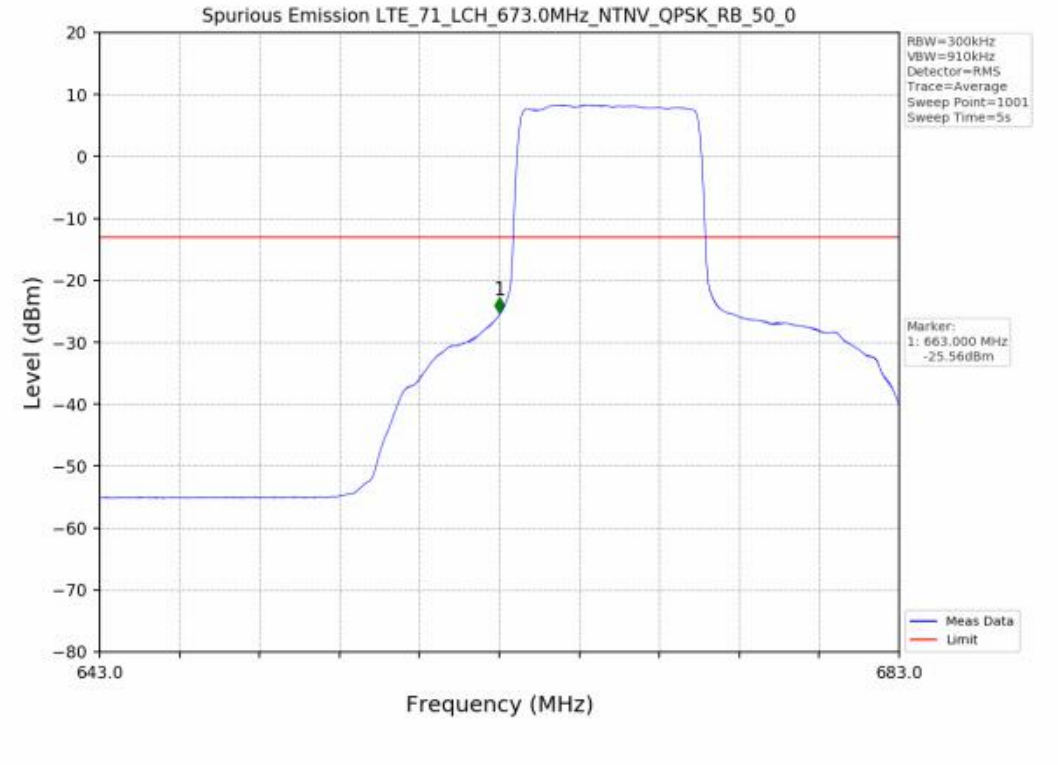

Spurious Emission LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_1_99
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-45.71dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
678.0
718.0

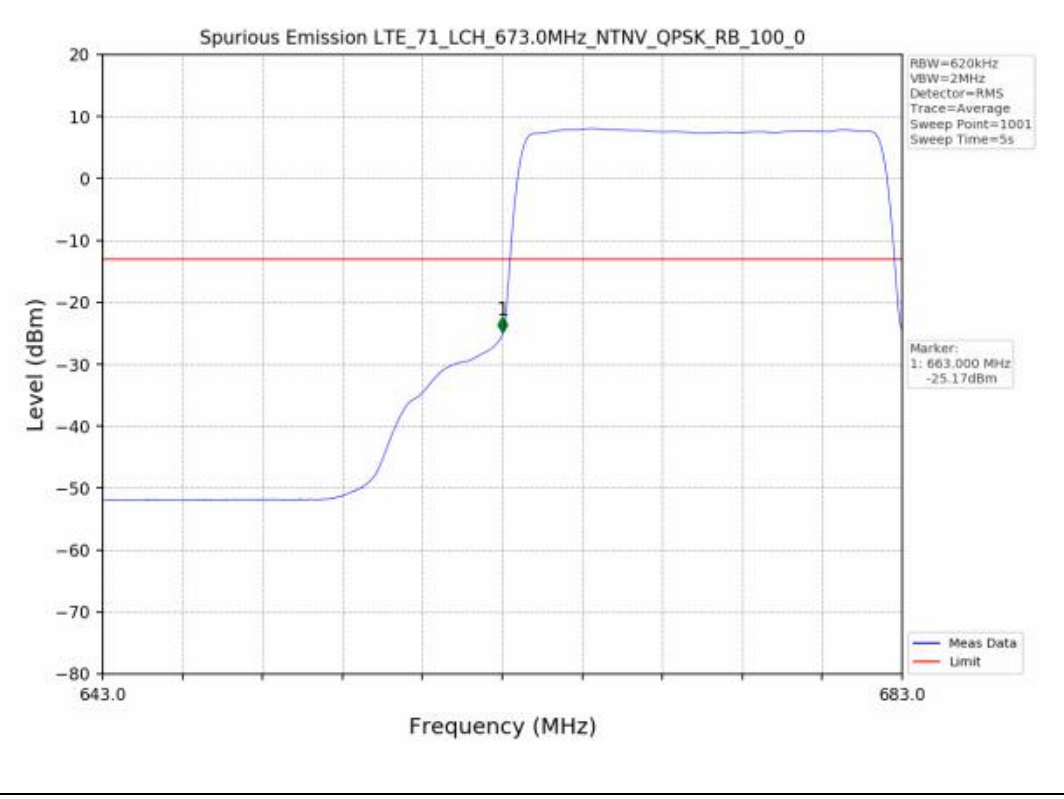

Spurious Emission LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_50_50
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-29.64dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
678.0
718.0

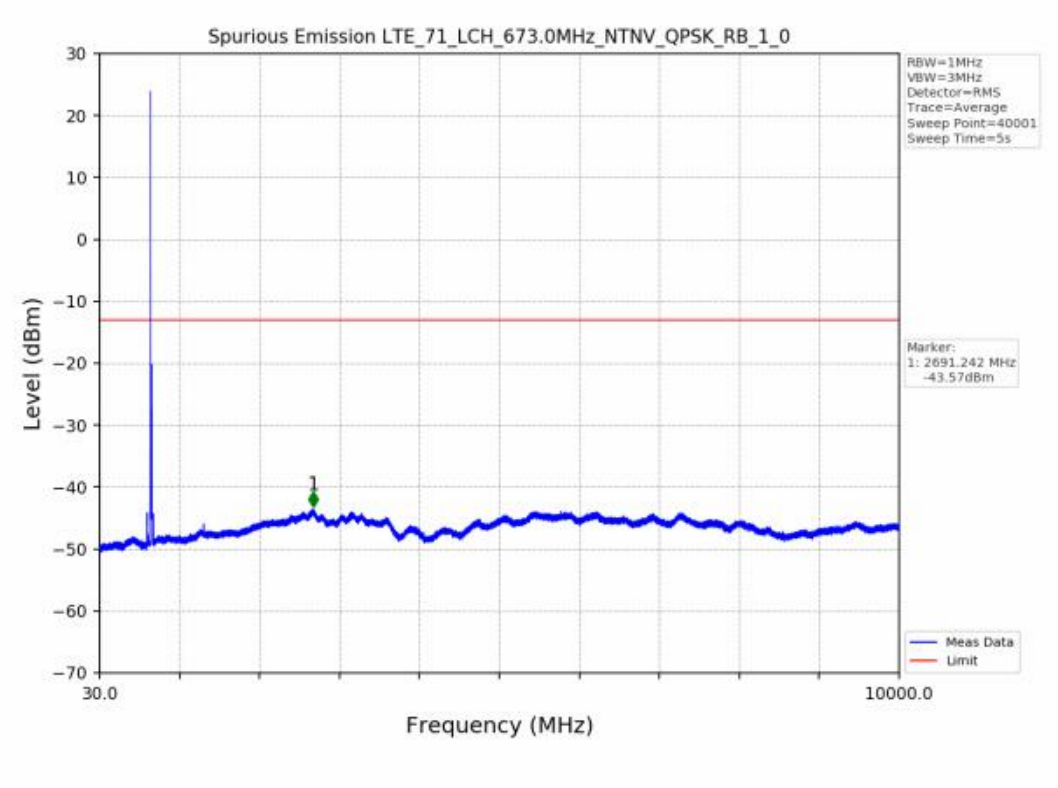

Spurious Emission LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-27.05dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
678.0
718.0

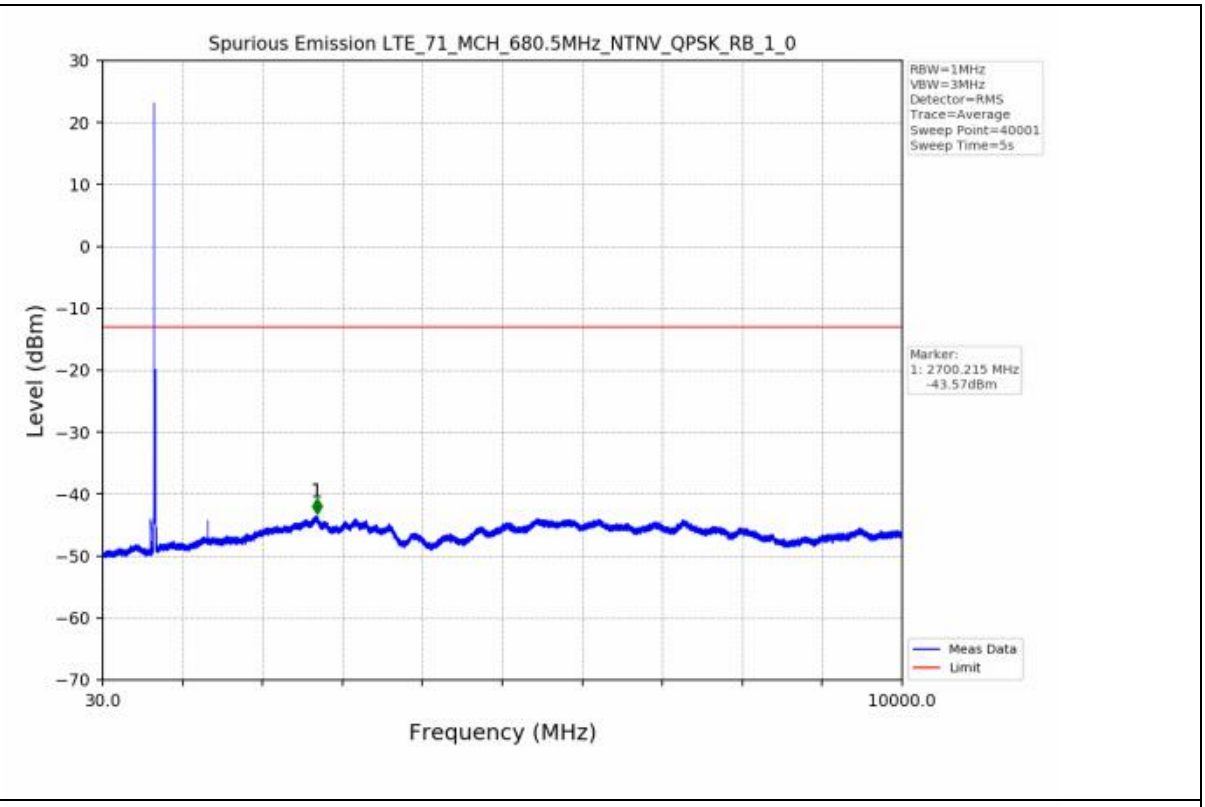

Spurious Emission LTE_71_HCH_688.0MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2685.260 MHz
-43.61dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

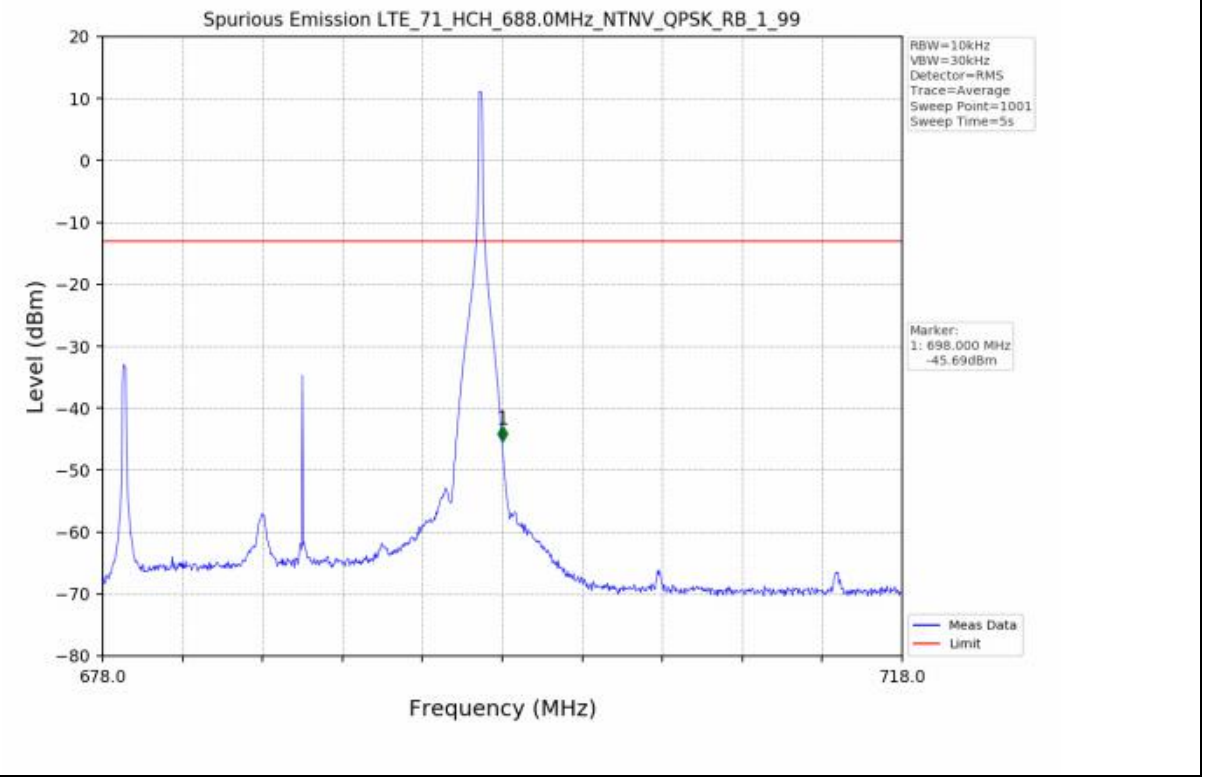

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-45.31dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
643.0
683.0

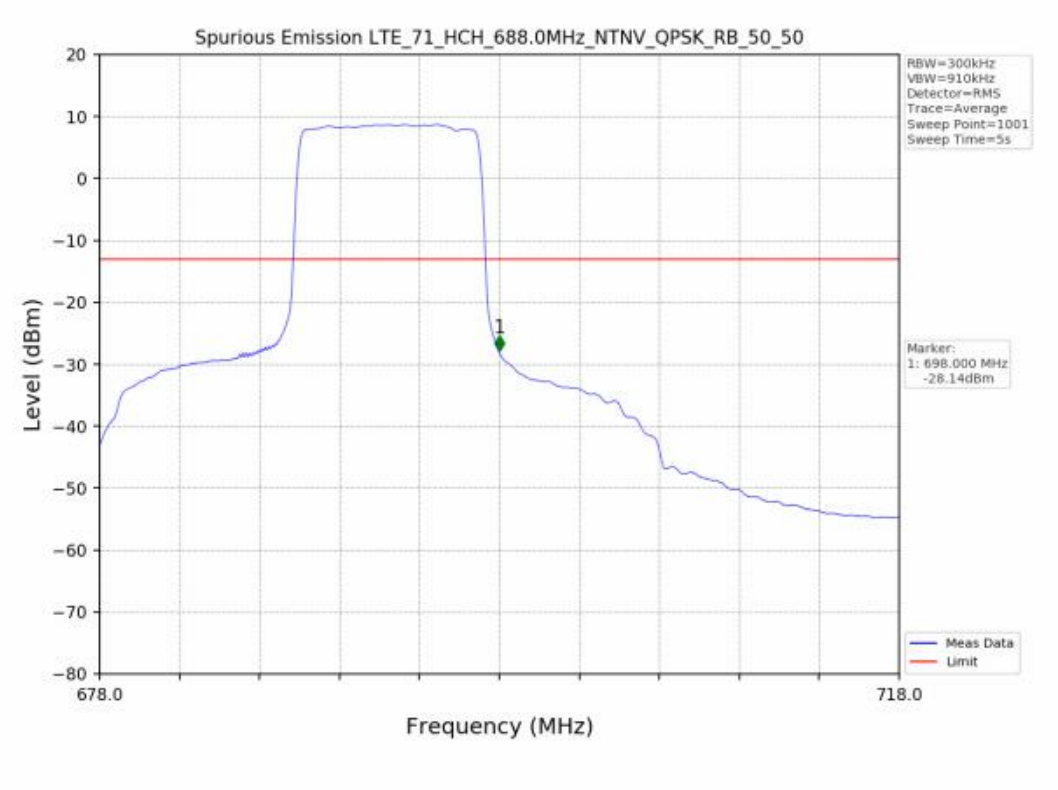

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-25.56dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
643.0
683.0

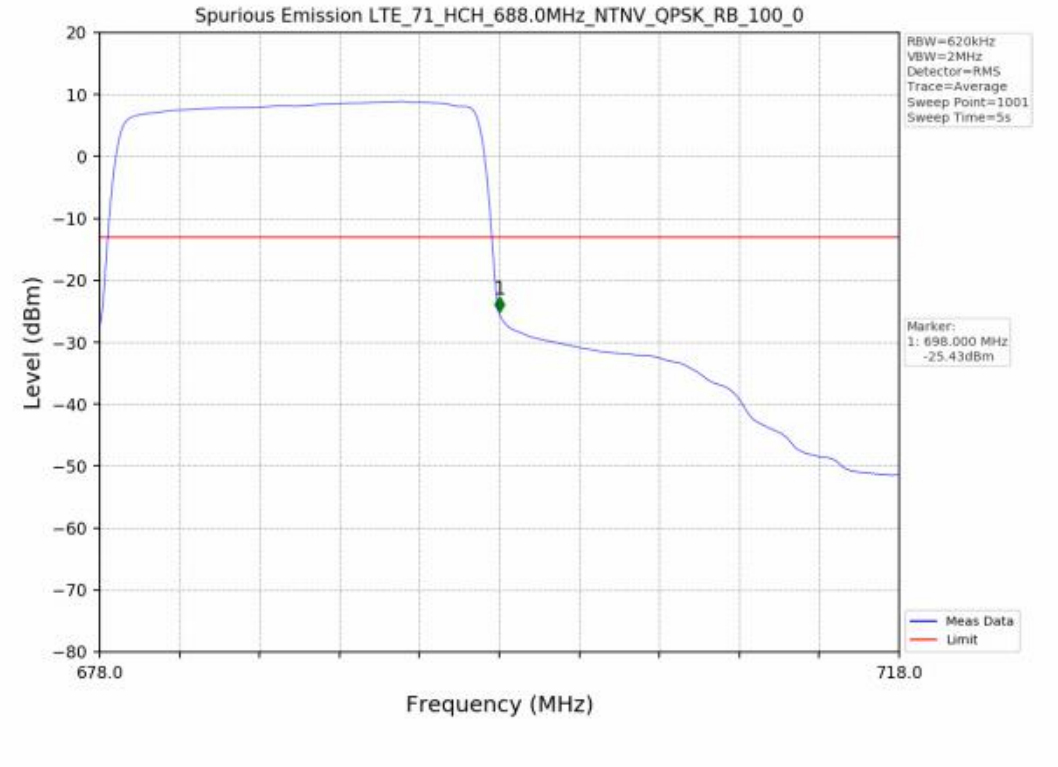

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 663.000 MHz
-25.17dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
643.0
683.0

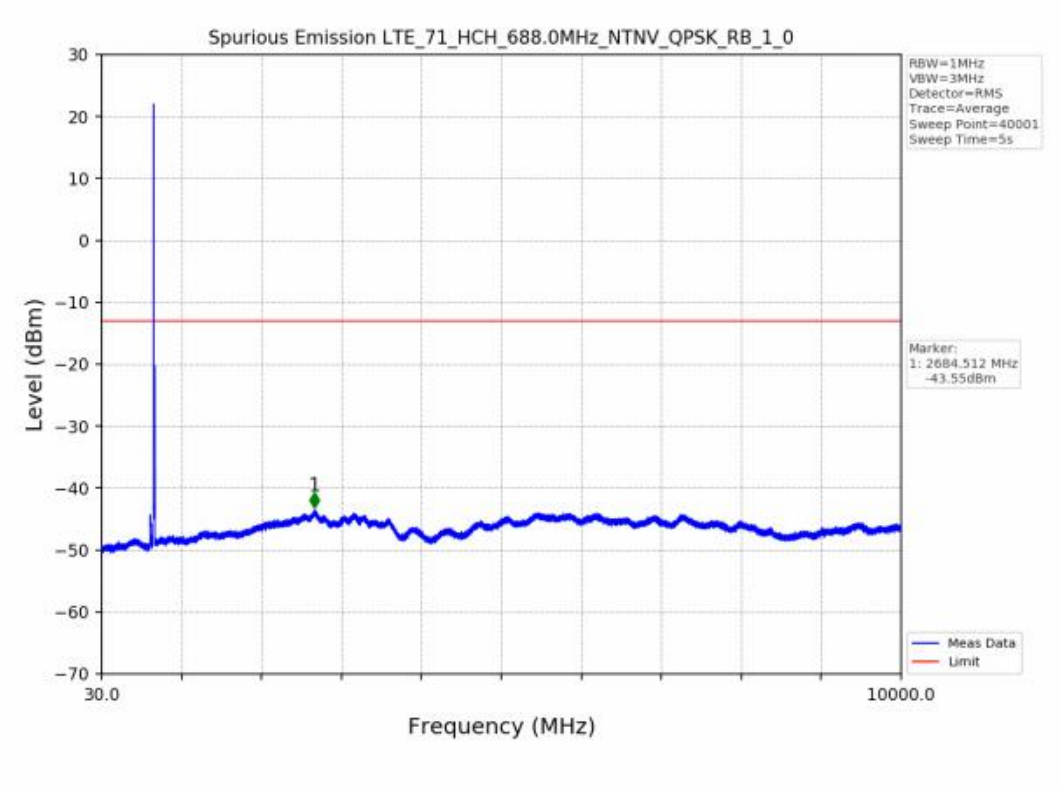

Spurious Emission LTE_71_LCH_673.0MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2691.242 MHz
-43.57dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0


Spurious Emission LTE_71_MCH_680.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2700.215 MHz
-43.57dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0


Spurious Emission LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_1_99
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-45.69dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
678.0
718.0


Spurious Emission LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_50_50
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-28.14dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
678.0
718.0


Spurious Emission LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_100_0
RBW=620kHz
VBW=2MHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 698.000 MHz
-25.43dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
678.0
718.0


Spurious Emission LTE_71_HCH_688.0MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2684.512 MHz
-43.55dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70