Appendix F: Test Data for LTE Band 5

Product Name: TT1001 10.1 inch Tablet

Test Model: TT1001V2

F1. Effective (Isotropic) Radiated Power Output Data

F1.1 Test Result

Test Band: 5 _ 1.4MHz 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	23.33	23.55	23.80	-1.15	1.00	22.18	22.40	22.65	38.45	PASS
		2	23.33	23.63	23.80	-1.15	1.00	22.18	22.48	22.65	38.45	PASS
		5	23.18	23.56	23.72	-1.15	1.00	22.03	22.41	22.57	38.45	PASS
	3	0	23.36	23.58	23.97	-1.15	1.00	22.21	22.43	22.82	38.45	PASS
		2	23.29	23.65	24.06	-1.15	1.00	22.14	22.50	22.91	38.45	PASS
		3	23.27	23.62	24.00	-1.15	1.00	22.12	22.47	22.85	38.45	PASS
	6	0	22.32	22.69	23.10	-1.15	1.00	21.17	21.54	21.95	38.45	PASS
16QAM	1		22.44	23.04	22.74	-1.15	1.00	21.29	21.89	21.59	38.45	PASS
		2	22.53	23.36	22.90	-1.15	1.00	21.38	22.21	21.75	38.45	PASS
		5	22.44	23.12	22.68	-1.15	1.00	21.29	21.97	21.53	38.45	PASS
	3	0	22.16	22.55	22.87	-1.15	1.00	21.01	21.40	21.72	38.45	PASS
		2	22.23	22.53	22.86	-1.15	1.00	21.08	21.38	21.71	38.45	PASS
		3	21.95	22.51	22.96	-1.15	1.00	20.80	21.36	21.81	38.45	PASS
	6	0	21.16	21.72	21.99	-1.15	1.00	20.01	20.57	20.84	38.45	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: 5 _ 3MHz 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	23.23	23.47	24.13	-1.15	1.00	22.08	22.32	22.98	38.45	PASS
		7	23.12	23.85	24.02	-1.15	1.00	21.97	22.70	22.87	38.45	PASS
		14	23.03	23.73	23.81	-1.15	1.00	21.88	22.58	22.66	38.45	PASS
	8	0	22.31	22.52	23.15	-1.15	1.00	21.16	21.37	22.00	38.45	PASS
		4	22.16	22.57	23.11	-1.15	1.00	21.01	21.42	21.96	38.45	PASS
		7	22.15	22.71	23.00	-1.15	1.00	21.00	21.56	21.85	38.45	PASS
	15	0	22.14	22.60	23.07	-1.15	1.00	20.99	21.45	21.92	38.45	PASS
16QAM	1		22.09	22.78	22.56	-1.15	1.00	20.94	21.63	21.41	38.45	PASS
		7	21.91	23.02	22.88	-1.15	1.00	20.76	21.87	21.73	38.45	PASS
		14	21.86	23.13	22.68	-1.15	1.00	20.71	21.98	21.53	38.45	PASS
	8	0	21.08	21.65	21.79	-1.15	1.00	19.93	20.50	20.64	38.45	PASS
		4	20.92	21.73	21.77	-1.15	1.00	19.77	20.58	20.62	38.45	PASS
		7	20.82	21.85	21.67	-1.15	1.00	19.67	20.70	20.52	38.45	PASS
	15	0	20.92	21.37	21.84	-1.15	1.00	19.77	20.22	20.69	38.45	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: 5 _ 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	23.32	23.35	24.05	-1.15	1.00	22.17	22.20	22.90	38.45	PASS
		13	23.23	23.57	24.06	-1.15	1.00	22.08	22.42	22.91	38.45	PASS
		24	23.13	23.53	23.79	-1.15	1.00	21.98	22.38	22.64	38.45	PASS
	12	0	22.22	22.50	23.20	-1.15	1.00	21.07	21.35	22.05	38.45	PASS
		6	22.27	22.54	23.16	-1.15	1.00	21.12	21.39	22.01	38.45	PASS
		13	22.32	22.63	23.06	-1.15	1.00	21.17	21.48	21.91	38.45	PASS
	25	0	22.27	22.57	23.03	-1.15	1.00	21.12	21.42	21.88	38.45	PASS
16QAM	1		21.88	22.34	22.63	-1.15	1.00	20.73	21.19	21.48	38.45	PASS
		13	21.93	22.67	22.75	-1.15	1.00	20.78	21.52	21.60	38.45	PASS
		24	21.93	22.71	22.68	-1.15	1.00	20.78	21.56	21.53	38.45	PASS
	12	0	20.92	21.37	21.94	-1.15	1.00	19.77	20.22	20.79	38.45	PASS
		6	20.96	21.42	21.74	-1.15	1.00	19.81	20.27	20.59	38.45	PASS
		13	21.09	21.31	21.60	-1.15	1.00	19.94	20.16	20.45	38.45	PASS
	25	0	21.08	21.57	21.86	-1.15	1.00	19.93	20.42	20.71	38.45	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: 5 _ 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	23.25	23.21	24.00	-1.15	1.00	22.10	22.06	22.85	38.45	PASS
		25	23.44	23.65	24.28	-1.15	1.00	22.29	22.50	23.13	38.45	PASS
		49	23.51	23.85	23.98	-1.15	1.00	22.36	22.70	22.83	38.45	PASS
	25	0	22.20	22.40	23.03	-1.15	1.00	21.05	21.25	21.88	38.45	PASS
		13	22.26	22.55	23.14	-1.15	1.00	21.11	21.40	21.99	38.45	PASS
		25	22.25	22.71	23.06	-1.15	1.00	21.10	21.56	21.91	38.45	PASS
	50	0	22.23	22.65	23.05	-1.15	1.00	21.08	21.50	21.90	38.45	PASS
16QAM	1		22.35	22.29	22.77	-1.15	1.00	21.20	21.14	21.62	38.45	PASS
		25	22.25	22.67	23.11	-1.15	1.00	21.10	21.52	21.96	38.45	PASS
		49	22.21	23.19	22.74	-1.15	1.00	21.06	22.04	21.59	38.45	PASS
	25	0	21.26	21.36	21.87	-1.15	1.00	20.11	20.21	20.72	38.45	PASS
		13	21.28	21.42	22.04	-1.15	1.00	20.13	20.27	20.89	38.45	PASS
		25	21.19	21.58	21.96	-1.15	1.00	20.04	20.43	20.81	38.45	PASS
	50	0	21.06	21.70	21.78	-1.15	1.00	19.91	20.55	20.63	38.45	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

F2. Frequency stability

F2.1 Test Result

Test Band: 5 _ 1.4MHz 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	6	0	NT	LV	-1.6451	-1.3018	0.7868	-0.0020	-0.0016	0.0009	2.50	PASS
				NV	-2.5606	0.0715	0.7725	-0.0031	0.0001	0.0009	2.50	PASS
				HV	-1.7452	-0.9298	0.0000	-0.0021	-0.0011	0.0000	2.50	PASS
16QAM	6	0	NT	LV	-0.5579	-0.7582	-1.0014	-0.0007	-0.0009	-0.0012	2.50	PASS
				NV	-1.1444	-0.3433	-1.3161	-0.0014	-0.0004	-0.0016	2.50	PASS
				HV	-1.4305	0.2718	-0.7010	-0.0017	0.0003	-0.0008	2.50	PASS

Test Band: 5 _ 1.4MHz 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	6	0	NV	-30.00	-0.7439	-2.2173	-0.2146	-0.0009	-0.0027	-0.0003	2.50	PASS
				-20.00	-1.8597	-2.3031	-0.9727	-0.0023	-0.0028	-0.0011	2.50	PASS
				-10.00	-2.7895	-0.4721	-0.1001	-0.0034	-0.0006	-0.0001	2.50	PASS
				0.00	-2.4319	-1.6308	1.4019	-0.0029	-0.0019	0.0017	2.50	PASS
				10.00	-2.6608	-1.6594	-0.2146	-0.0032	-0.0020	-0.0003	2.50	PASS
				20.00	-0.6008	-1.0443	0.2718	-0.0007	-0.0012	0.0003	2.50	PASS
				30.00	-2.3460	-1.7881	-0.0858	-0.0028	-0.0021	-0.0001	2.50	PASS
				40.00	-1.3447	-1.2445	-0.6151	-0.0016	-0.0015	-0.0007	2.50	PASS
				50.00	-2.3603	-1.2588	0.6008	-0.0029	-0.0015	0.0007	2.50	PASS
16QAM	6	0	NV	-30.00	-1.8883	-0.9298	-0.2718	-0.0023	-0.0011	-0.0003	2.50	PASS
				-20.00	-1.1444	-1.5593	-0.1717	-0.0014	-0.0019	-0.0002	2.50	PASS
				-10.00	-2.1601	-0.7725	-0.3290	-0.0026	-0.0009	-0.0004	2.50	PASS
				0.00	-1.3876	-0.5150	-0.3862	-0.0017	-0.0006	-0.0005	2.50	PASS
				10.00	-1.6594	-0.4435	-0.4435	-0.0020	-0.0005	-0.0005	2.50	PASS
				20.00	-1.3733	-1.7881	-1.5306	-0.0017	-0.0021	-0.0018	2.50	PASS
				30.00	-2.1172	-1.0300	-1.1301	-0.0026	-0.0012	-0.0013	2.50	PASS
				40.00	-2.1601	0.4005	-0.5150	-0.0026	0.0005	-0.0006	2.50	PASS
				50.00	-0.7725	-1.5593	-0.4435	-0.0009	-0.0019	-0.0005	2.50	PASS

Test Band: 5 _ 3MHz 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	15	0	NT	LV	0.1860	-0.4148	-2.2745	0.0002	-0.0005	-0.0027	2.50	PASS
				NV	-1.1444	-0.0429	-1.9455	-0.0014	-0.0001	-0.0023	2.50	PASS
				HV	-1.3161	0.0286	-0.7725	-0.0016	0.0000	-0.0009	2.50	PASS
16QAM	15	0	NT	LV	0.0286	-1.5879	-2.1601	0.0000	-0.0019	-0.0025	2.50	PASS
				NV	0.2289	-1.0157	-2.4462	0.0003	-0.0012	-0.0029	2.50	PASS
				HV	-0.4864	-0.7010	-1.3876	-0.0006	-0.0008	-0.0016	2.50	PASS

Test Band: 5 _ 3MHz 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	15	0	NV	-30.00	-1.9455	-1.2875	-2.7180	-0.0024	-0.0015	-0.0032	2.50	PASS
				-20.00	-0.1717	-0.6723	-3.2473	-0.0002	-0.0008	-0.0038	2.50	PASS
				-10.00	-1.4448	-1.3876	-1.3161	-0.0018	-0.0017	-0.0016	2.50	PASS

				0.00	-1.2016	-0.2146	-1.4734	-0.0015	-0.0003	-0.0017	2.50	PASS
				10.00	-0.0858	-1.5879	-2.4176	-0.0001	-0.0019	-0.0029	2.50	PASS
				20.00	-0.1574	-0.8726	-1.7166	-0.0002	-0.0010	-0.0020	2.50	PASS
				30.00	-0.2718	-1.1730	-2.4748	-0.0003	-0.0014	-0.0029	2.50	PASS
				40.00	-0.2718	0.0143	-2.0313	-0.0003	0.0000	-0.0024	2.50	PASS
				50.00	-0.7582	-1.2302	-2.2602	-0.0009	-0.0015	-0.0027	2.50	PASS
				-30.00	0.1860	-1.7309	-1.8024	0.0002	-0.0021	-0.0021	2.50	PASS
				-20.00	-0.1860	-1.1015	-3.0756	-0.0002	-0.0013	-0.0036	2.50	PASS
				-10.00	-0.3290	-1.1587	-2.1458	-0.0004	-0.0014	-0.0025	2.50	PASS
				0.00	0.8726	-0.1287	-2.6751	0.0011	-0.0002	-0.0032	2.50	PASS
16QAM	15	0	NV	10.00	0.6866	-1.5450	-2.2173	0.0008	-0.0018	-0.0026	2.50	PASS
				20.00	-0.0143	-1.5450	-2.4605	0.0000	-0.0018	-0.0029	2.50	PASS
				30.00	-0.0286	-0.6580	-2.9469	0.0000	-0.0008	-0.0035	2.50	PASS
				40.00	-0.7296	-0.4578	-1.8311	-0.0009	-0.0005	-0.0022	2.50	PASS
				50.00	0.4435	-0.6151	-1.4591	0.0005	-0.0007	-0.0017	2.50	PASS

Test Band: 5 _ 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	-0.8583	-0.6151	-0.5436	-0.0010	-0.0007	-0.0006	2.50	PASS
				NV	-1.3018	-1.1301	-0.8011	-0.0016	-0.0014	-0.0009	2.50	PASS
				HV	-2.3460	-1.4448	0.5865	-0.0028	-0.0017	0.0007	2.50	PASS
16QAM	25	0	NT	LV	-2.0456	-0.3576	-1.3018	-0.0025	-0.0004	-0.0015	2.50	PASS
				NV	-2.1172	-1.8597	-0.2718	-0.0026	-0.0022	-0.0003	2.50	PASS
				HV	-0.8011	-1.4019	-1.6880	-0.0010	-0.0017	-0.0020	2.50	PASS

Test Band: 5 _ 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	-1.1158	-1.2302	-0.8154	-0.0014	-0.0015	-0.0010	2.50	PASS
				-20.00	-2.2316	-0.3719	-1.3161	-0.0027	-0.0004	-0.0016	2.50	PASS
				-10.00	-3.0613	-1.5020	-0.4005	-0.0037	-0.0018	-0.0005	2.50	PASS
				0.00	-0.9441	-1.3018	-1.3876	-0.0011	-0.0016	-0.0016	2.50	PASS
				10.00	-1.3590	-0.8297	-0.2289	-0.0016	-0.0010	-0.0003	2.50	PASS
				20.00	-1.7309	-1.2016	-0.6151	-0.0021	-0.0014	-0.0007	2.50	PASS
				30.00	-2.2745	-1.7881	-0.4005	-0.0028	-0.0021	-0.0005	2.50	PASS
				40.00	-1.4591	-0.5007	-0.8440	-0.0018	-0.0006	-0.0010	2.50	PASS
				50.00	-1.7023	-0.6866	-0.4721	-0.0021	-0.0008	-0.0006	2.50	PASS
16QAM	25	0	NV	-30.00	-2.7752	-1.0157	-0.9441	-0.0034	-0.0012	-0.0011	2.50	PASS
				-20.00	-1.6594	-1.3304	-0.2003	-0.0020	-0.0016	-0.0002	2.50	PASS
				-10.00	-1.8168	-1.7452	-0.3290	-0.0022	-0.0021	-0.0004	2.50	PASS
				0.00	-1.0872	-0.4864	-0.5579	-0.0013	-0.0006	-0.0007	2.50	PASS
				10.00	-2.4605	-0.5579	-0.2003	-0.0030	-0.0007	-0.0002	2.50	PASS
				20.00	-2.7180	-1.6165	-0.7582	-0.0033	-0.0019	-0.0009	2.50	PASS
				30.00	-3.0613	-1.0300	-0.7296	-0.0037	-0.0012	-0.0009	2.50	PASS
				40.00	-2.6894	-0.8583	-0.7010	-0.0033	-0.0010	-0.0008	2.50	PASS
				50.00	-2.2745	-1.9741	-1.4591	-0.0028	-0.0024	-0.0017	2.50	PASS

Test Band: 5 _ 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	-0.6723	-1.2445	-0.2861	-0.0008	-0.0015	-0.0003	2.50	PASS
				NV	-1.3161	-1.6165	-1.3304	-0.0016	-0.0019	-0.0016	2.50	PASS
				HV	-0.2432	-0.6580	-1.7738	-0.0003	-0.0008	-0.0021	2.50	PASS
16QAM	50	0	NT	LV	-0.6437	-0.9871	0.1001	-0.0008	-0.0012	0.0001	2.50	PASS

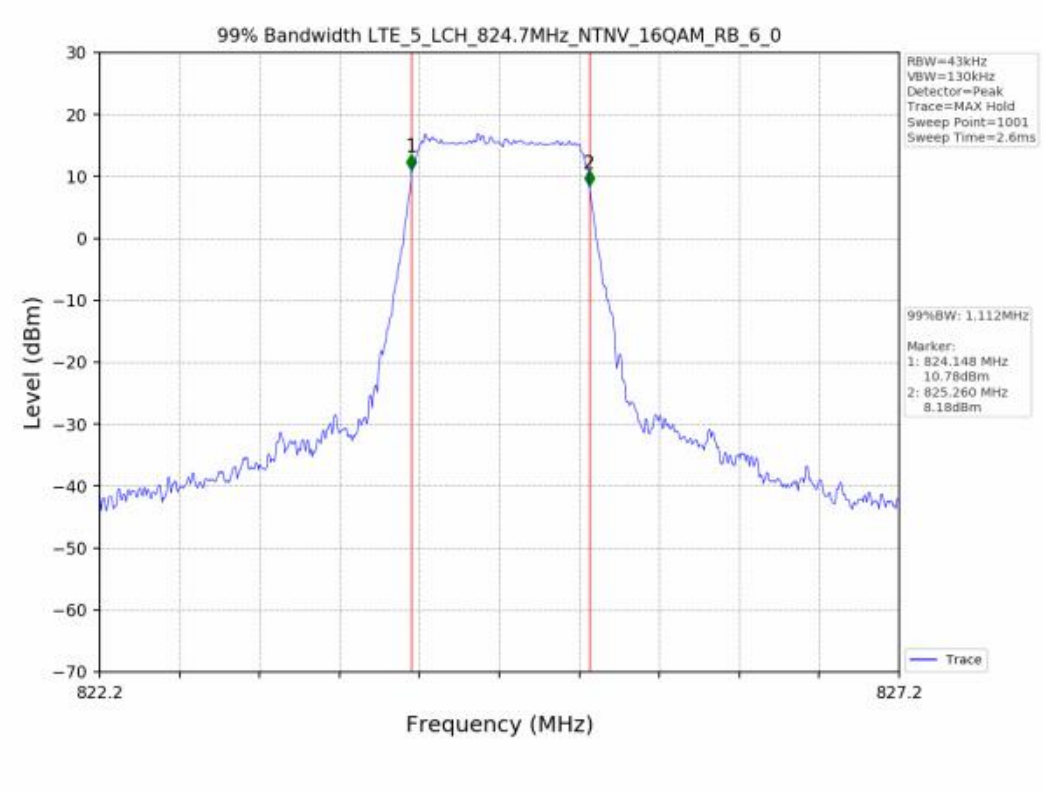
				NV	-1.5020	-0.7153	0.3719	-0.0018	-0.0009	0.0004	2.50	PASS
				HV	-1.3590	-1.3304	0.9727	-0.0016	-0.0016	0.0012	2.50	PASS

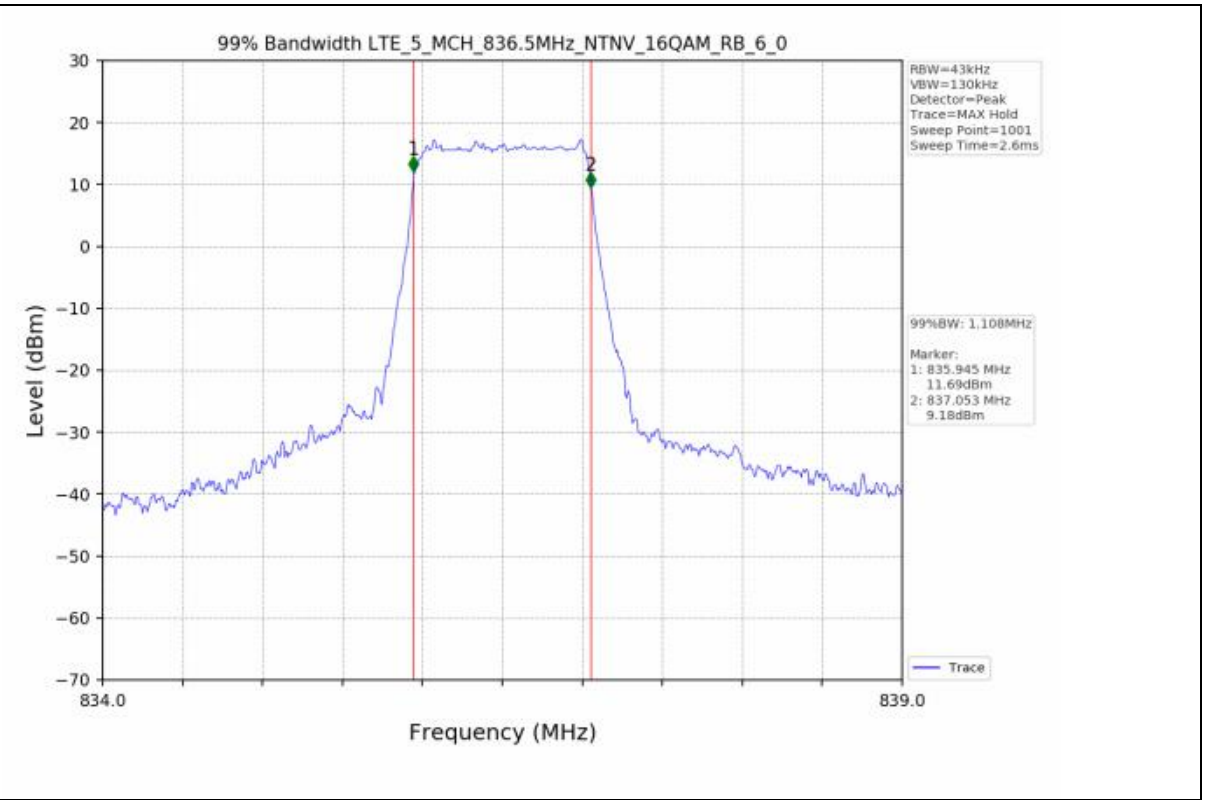
Test Band: 5 _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-0.7582	-0.7296	-0.6580	-0.0009	-0.0009	-0.0008	2.50	PASS
				-20.00	-1.1587	-1.1730	-1.0729	-0.0014	-0.0014	-0.0013	2.50	PASS
				-10.00	-0.4864	-0.7725	-0.0143	-0.0006	-0.0009	0.0000	2.50	PASS
				0.00	-0.5150	-1.0443	-0.4721	-0.0006	-0.0012	-0.0006	2.50	PASS
				10.00	-1.2445	-1.1444	-0.5579	-0.0015	-0.0014	-0.0007	2.50	PASS
				20.00	-1.1587	-0.6437	-0.9012	-0.0014	-0.0008	-0.0011	2.50	PASS
				30.00	-0.7868	-1.7738	-1.3876	-0.0009	-0.0021	-0.0016	2.50	PASS
				40.00	-0.0715	-1.0443	-0.7010	-0.0001	-0.0012	-0.0008	2.50	PASS
				50.00	-1.5163	-0.8726	-2.1315	-0.0018	-0.0010	-0.0025	2.50	PASS
16QAM	50	0	NV	-30.00	-1.1730	-1.0157	0.2432	-0.0014	-0.0012	0.0003	2.50	PASS
				-20.00	-1.6880	-0.7439	-0.0286	-0.0020	-0.0009	0.0000	2.50	PASS
				-10.00	-0.6008	-1.2732	-0.9441	-0.0007	-0.0015	-0.0011	2.50	PASS
				0.00	-0.1287	-1.5450	-1.3304	-0.0002	-0.0018	-0.0016	2.50	PASS
				10.00	-2.2030	-1.2588	-0.9727	-0.0027	-0.0015	-0.0012	2.50	PASS
				20.00	-1.0729	-0.9298	-0.0143	-0.0013	-0.0011	0.0000	2.50	PASS
				30.00	-0.7296	-1.1587	-0.0858	-0.0009	-0.0014	-0.0001	2.50	PASS
				40.00	-0.0143	-1.2016	-0.1574	0.0000	-0.0014	-0.0002	2.50	PASS
				50.00	-0.7296	-1.0014	-1.0014	-0.0009	-0.0012	-0.0012	2.50	PASS

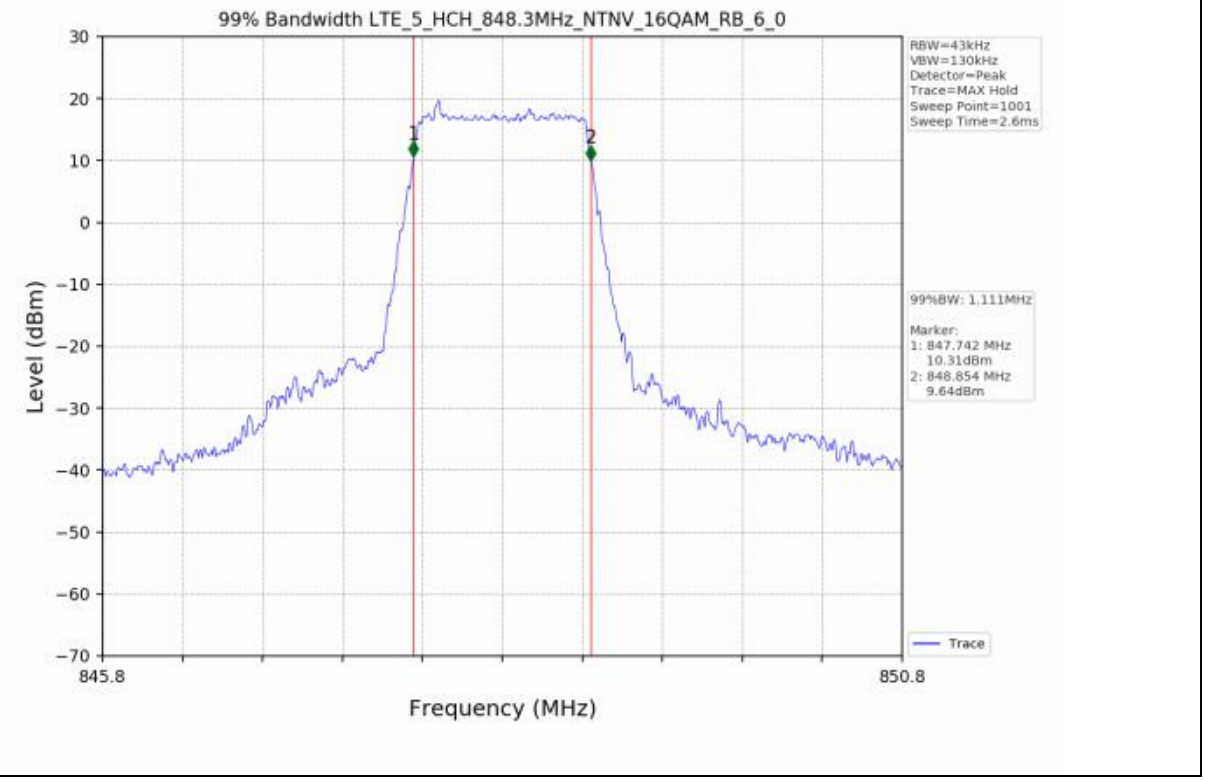
F3. 99% & 26dB Bandwidth

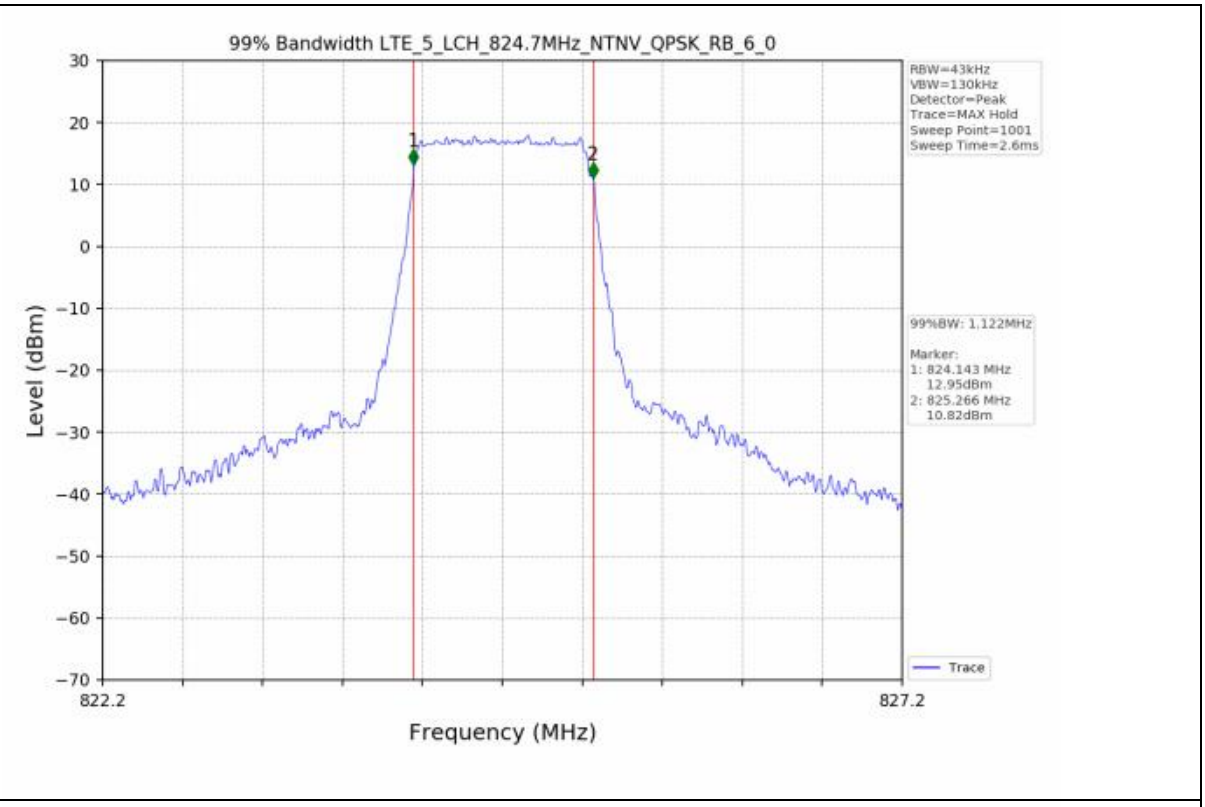
F3.1 Test Result

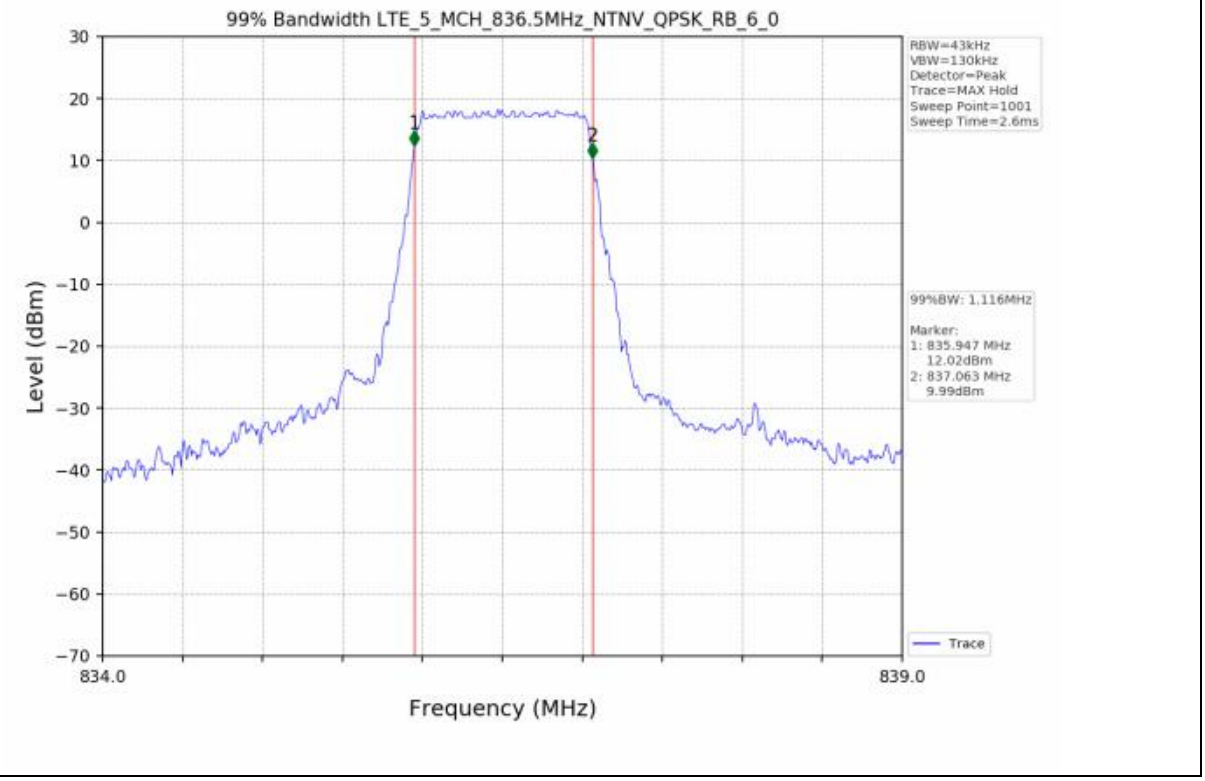
Test Band: 5 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.122	1.116	1.106	N/A	PASS
16QAM	6	0	1.112	1.108	1.111	N/A	PASS

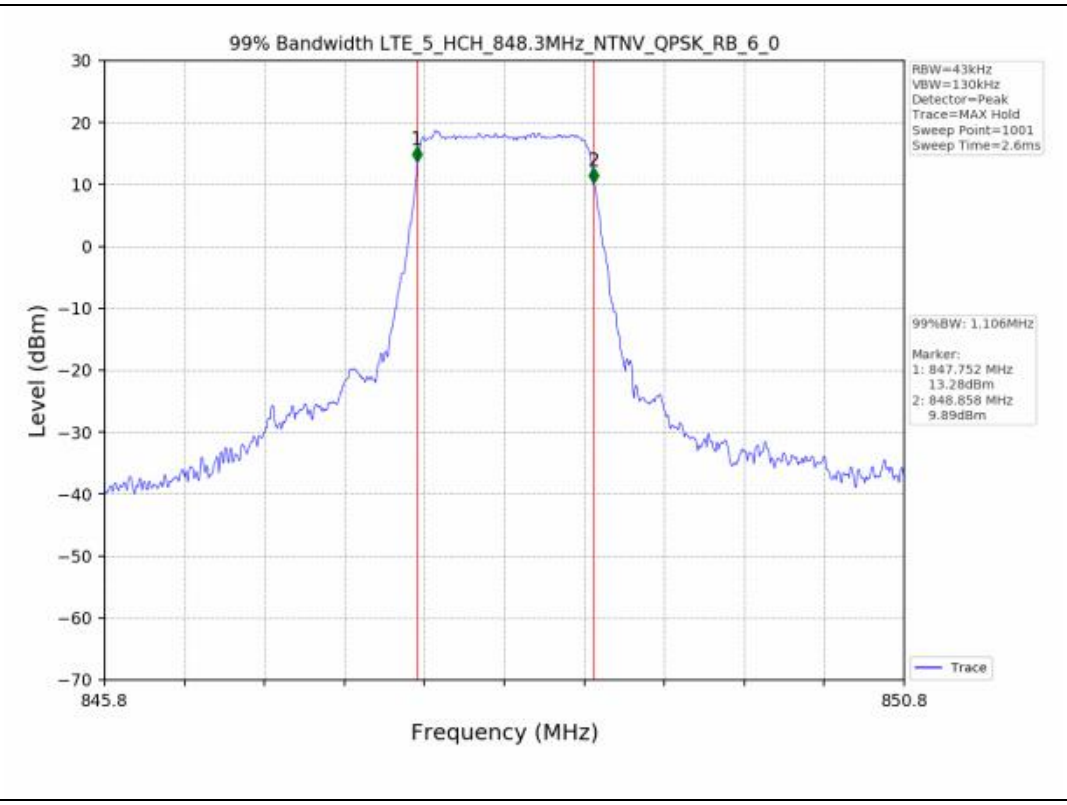



99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.108MHz
Marker:
1: 835.945 MHz
11.69dBm
2: 837.053 MHz
9.18dBm
Trace
Level (dBm)
Frequency (MHz)
834.0
839.0

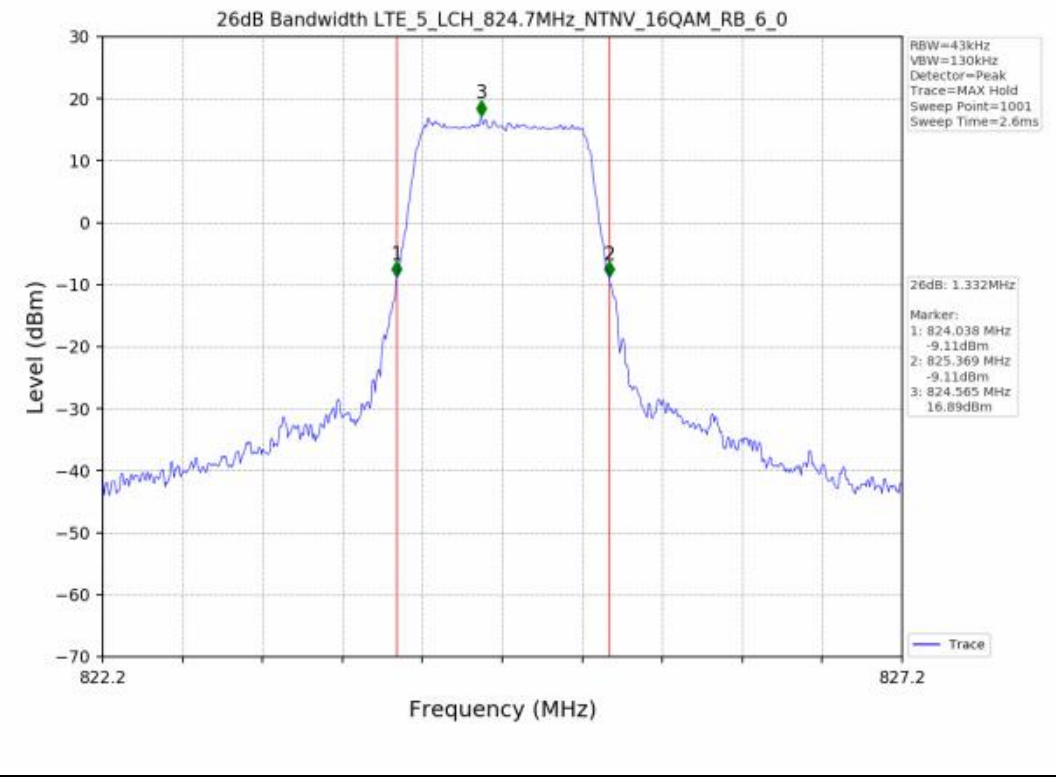

99% Bandwidth LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.111MHz
Marker:
1: 847.742 MHz
10.31dBm
2: 848.854 MHz
9.64dBm
Trace
Level (dBm)
Frequency (MHz)
845.8
850.8

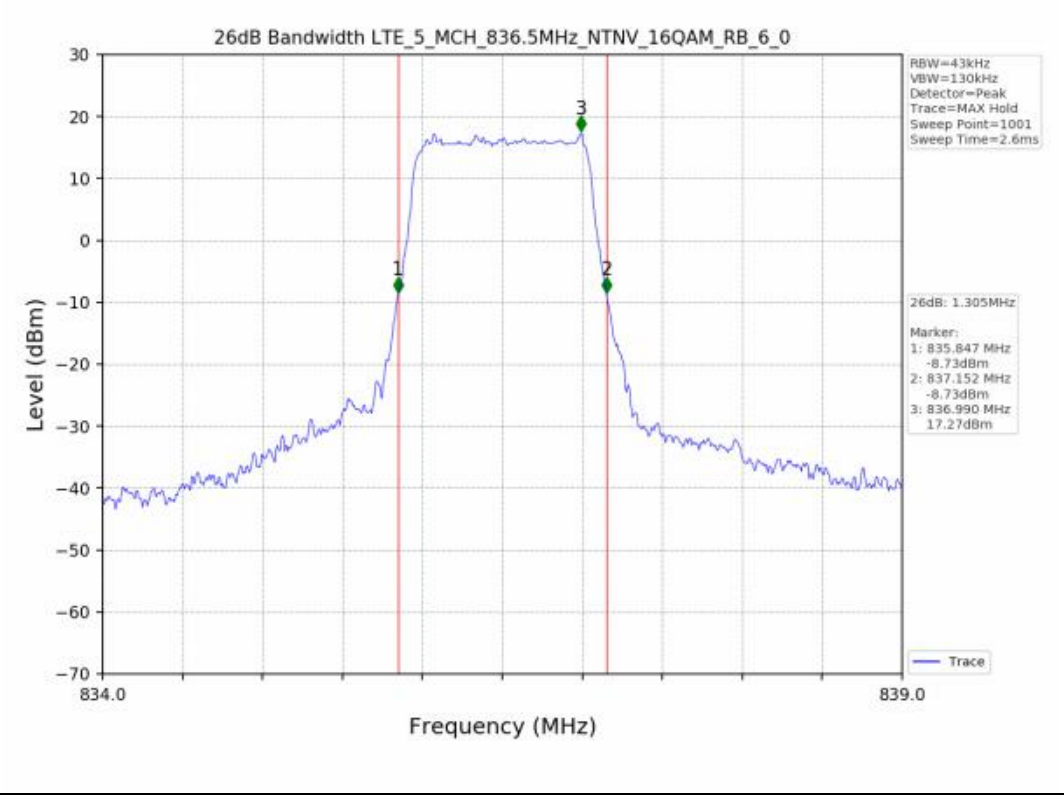

99% Bandwidth LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.122MHz
Marker:
1: 824.143 MHz
12.95dBm
2: 825.266 MHz
10.82dBm
Trace
Level (dBm)
Frequency (MHz)
822.2
827.2

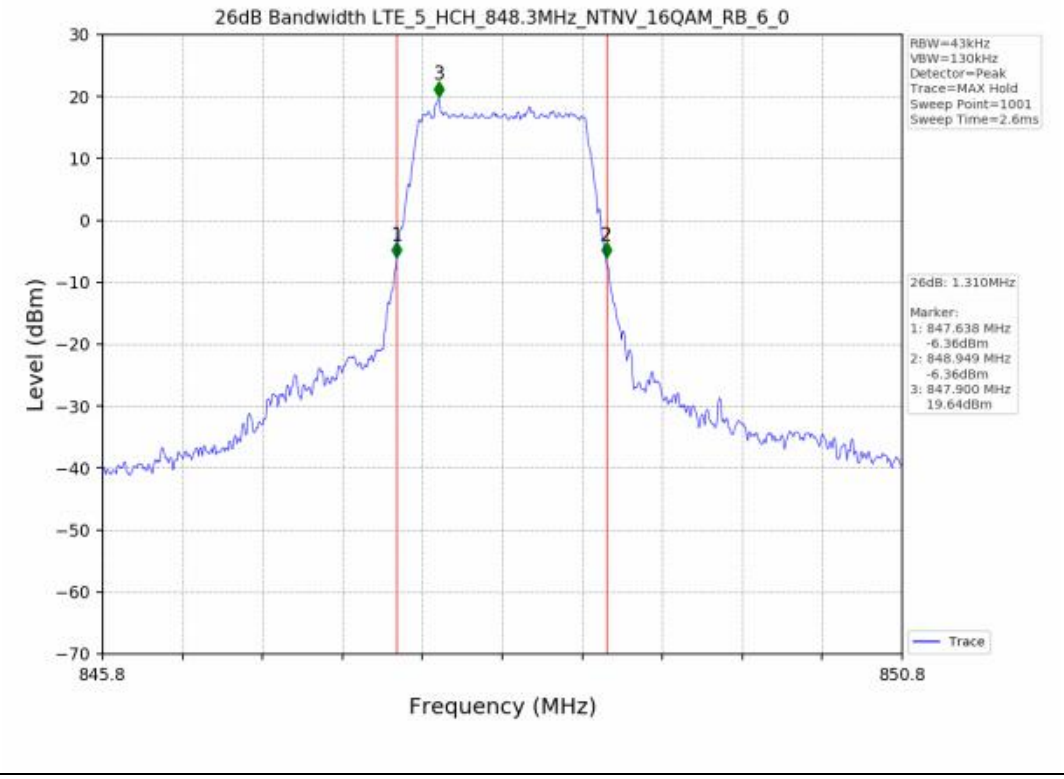

99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.116MHz
Marker:
1: 835.947 MHz
12.02dBm
2: 837.063 MHz
9.99dBm
Trace
Level (dBm)
Frequency (MHz)
834.0
839.0

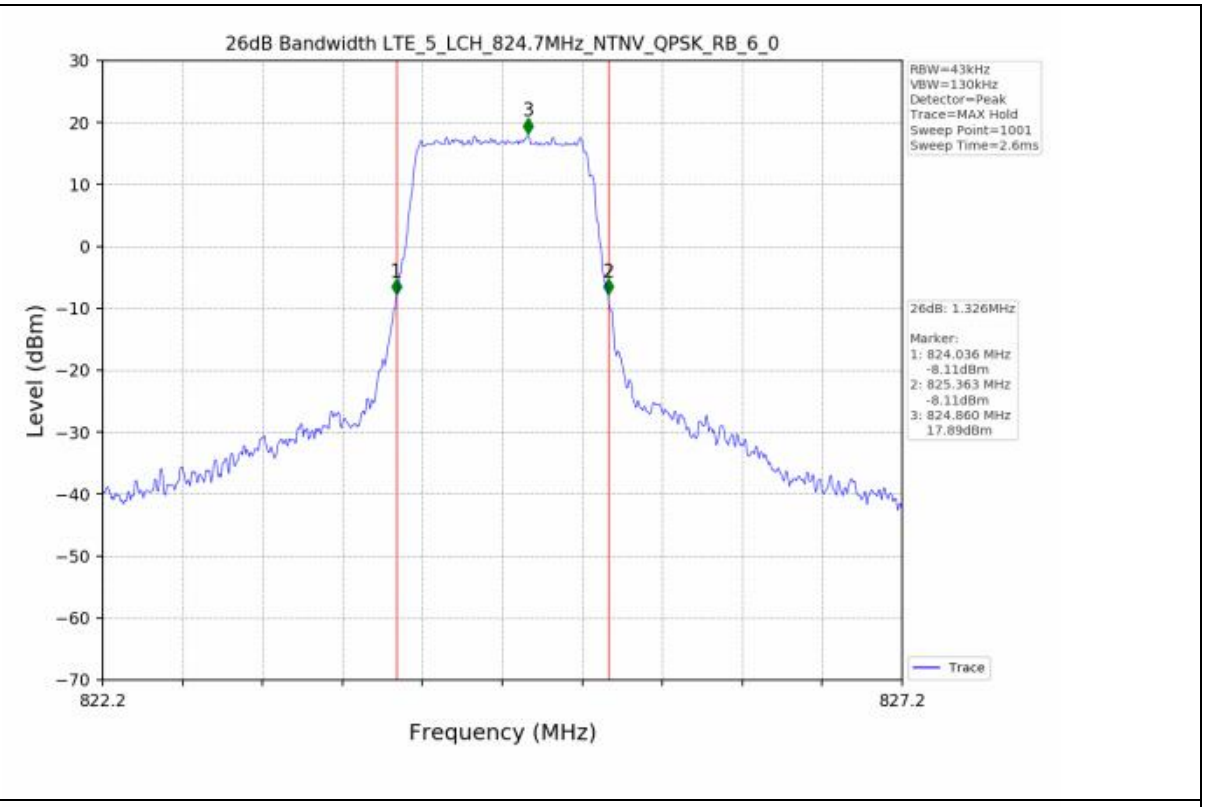

99% Bandwidth LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.106MHz
Marker:
1: 847.752 MHz
13.28dBm
2: 848.858 MHz
9.89dBm
Trace
Level (dBm)
Frequency (MHz)
845.8
850.8

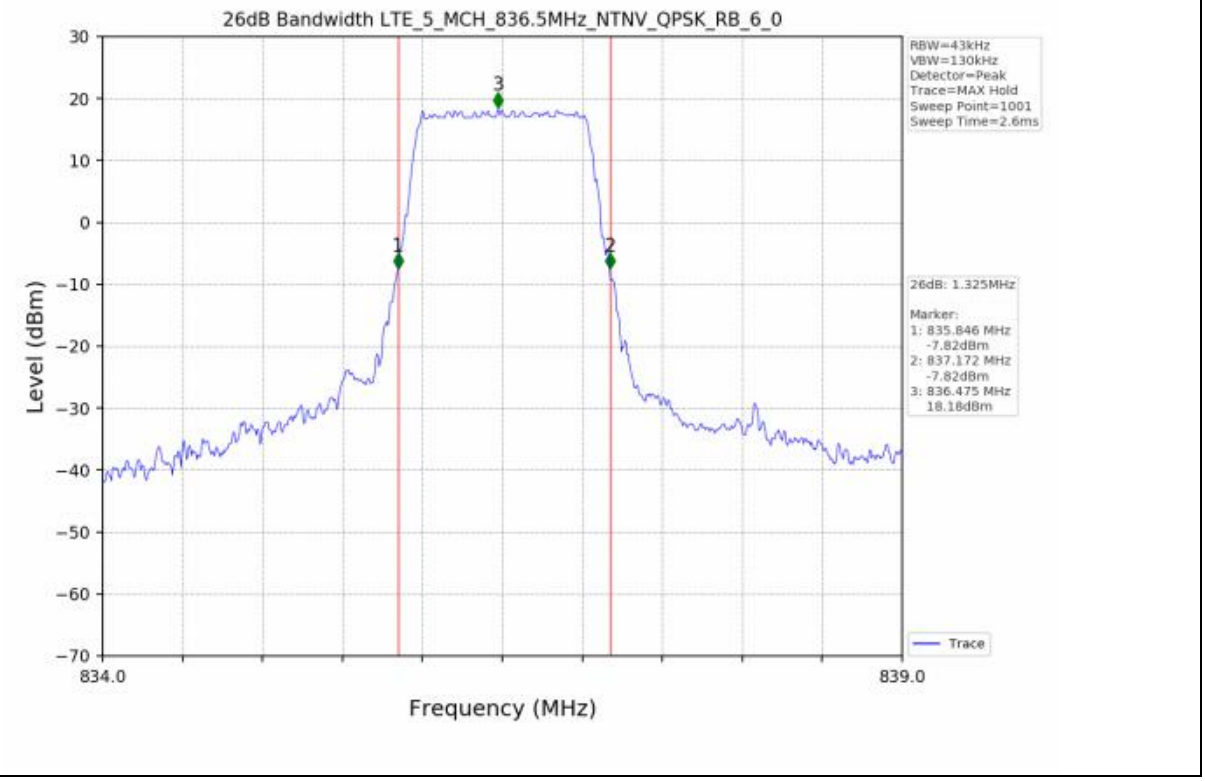
Test Band: 5 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.326	1.325	1.318	N/A	PASS
16QAM	6	0	1.332	1.305	1.310	N/A	PASS

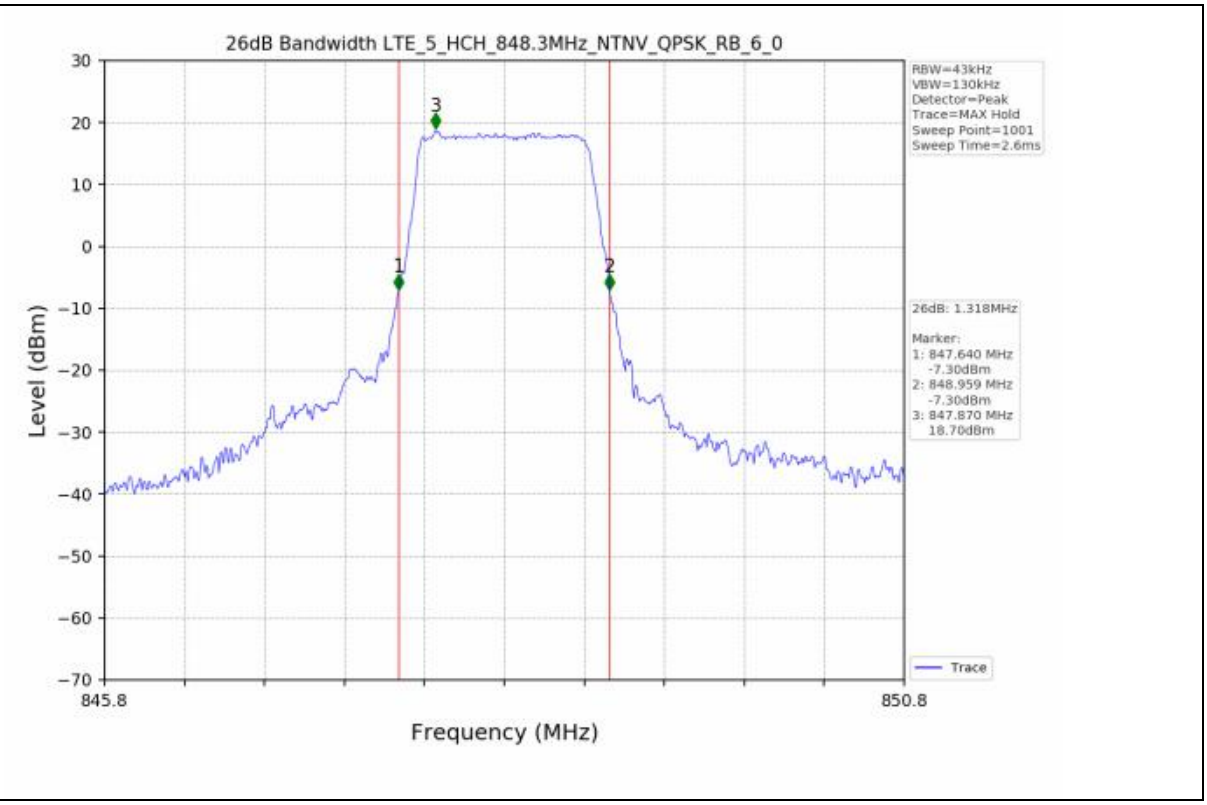



26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.305MHz
Marker:
1: 835.847 MHz
-8.73dBm
2: 837.152 MHz
-8.73dBm
3: 836.990 MHz
17.27dBm
Trace
Level (dBm)
Frequency (MHz)
834.0
839.0

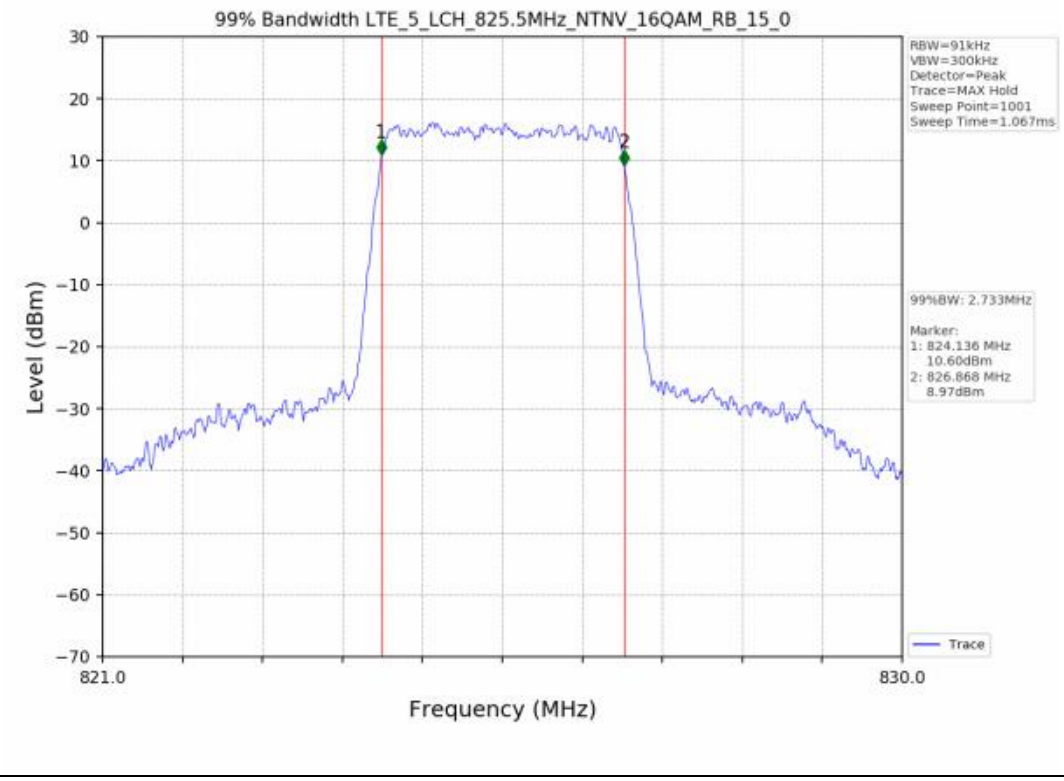

26dB Bandwidth LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.310MHz
Marker:
1: 847.638 MHz
-6.36dBm
2: 848.949 MHz
-6.36dBm
3: 847.900 MHz
19.64dBm
Trace
Level (dBm)
Frequency (MHz)
845.8
850.8

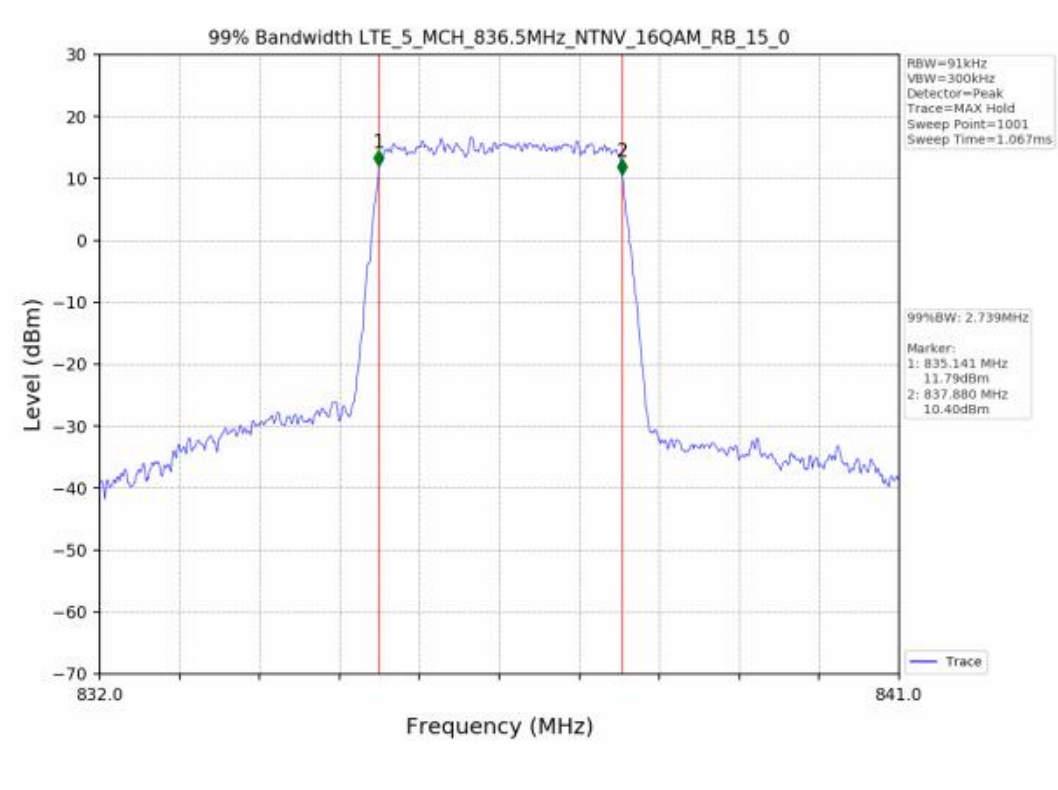

26dB Bandwidth LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.326MHz
Marker:
1: 824.036 MHz
-8.11dBm
2: 825.363 MHz
-8.11dBm
3: 824.860 MHz
17.89dBm
Trace
Level (dBm)
Frequency (MHz)
822.2
827.2

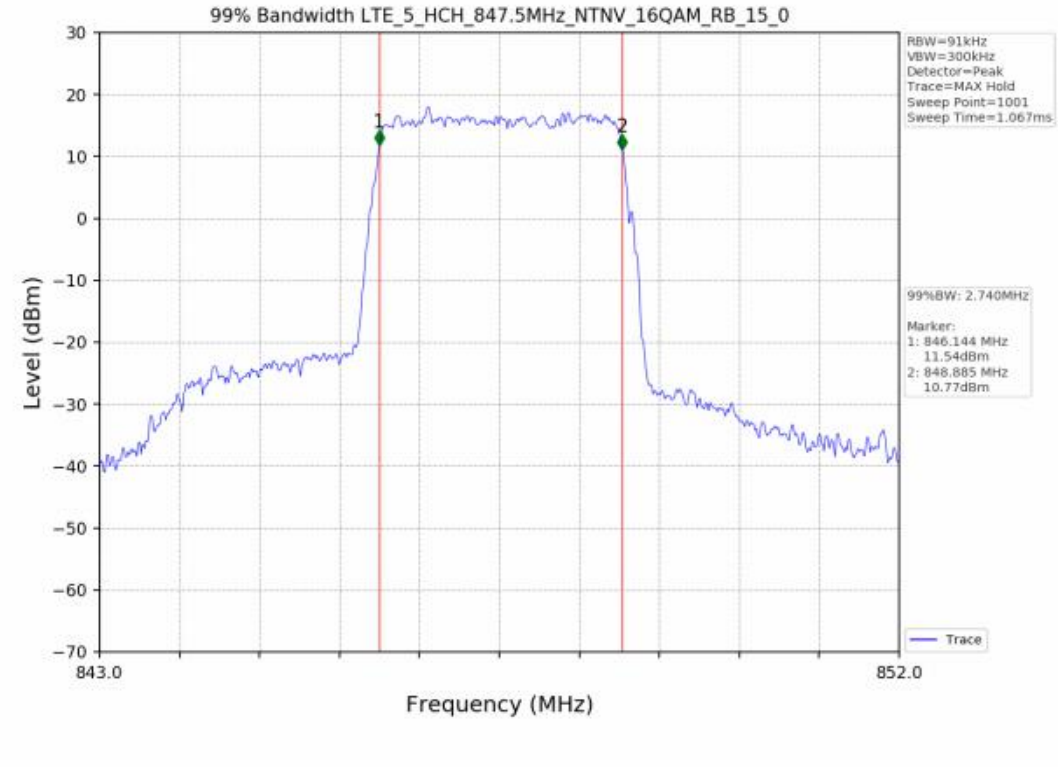

26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.325MHz
Marker:
1: 835.846 MHz
-7.82dBm
2: 837.172 MHz
-7.82dBm
3: 836.475 MHz
18.18dBm
Trace
Level (dBm)
Frequency (MHz)
834.0
839.0

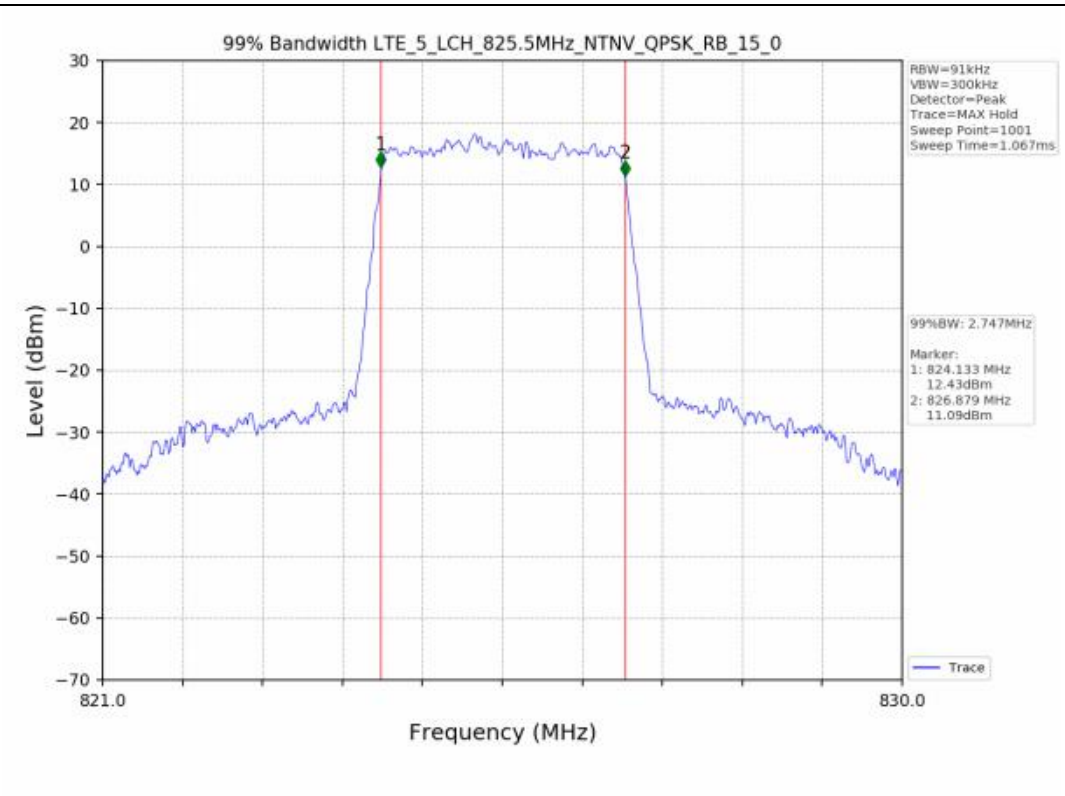

26dB Bandwidth LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.318MHz
Marker:
1: 847.640 MHz
-7.30dBm
2: 848.959 MHz
-7.30dBm
3: 847.870 MHz
18.70dBm
Trace
Level (dBm)
Frequency (MHz)
845.8
850.8

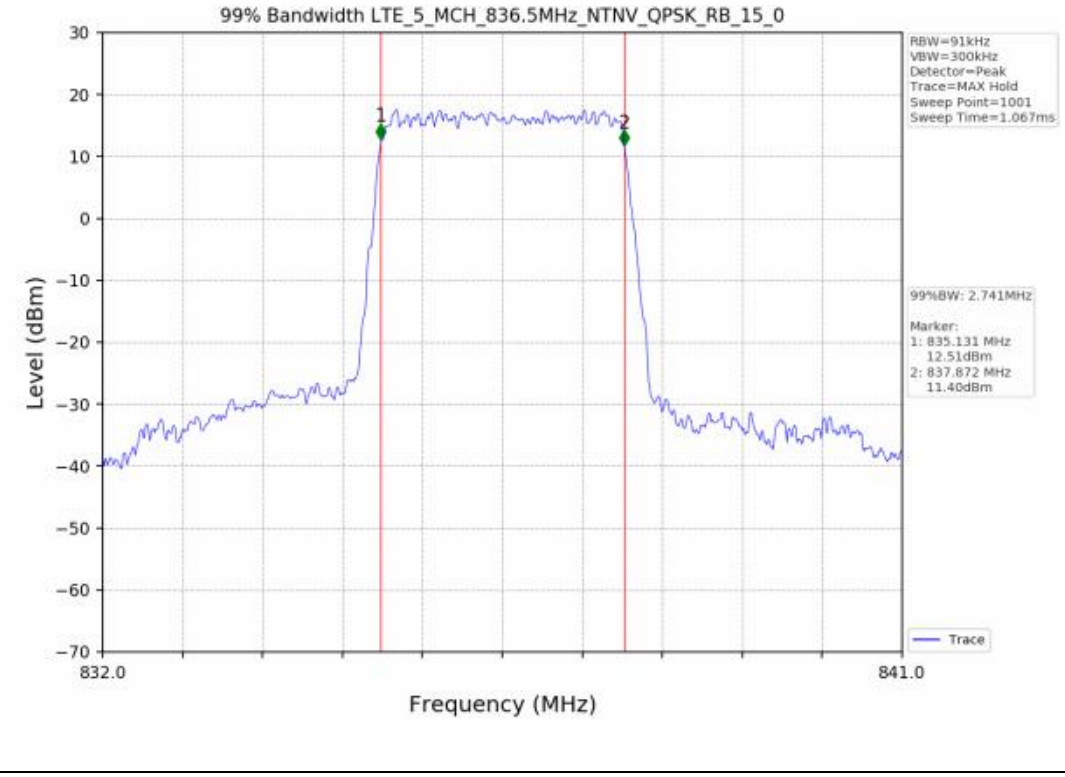
Test Band: 5 _ 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.747	2.741	2.742	N/A	PASS
16QAM	15	0	2.733	2.739	2.740	N/A	PASS

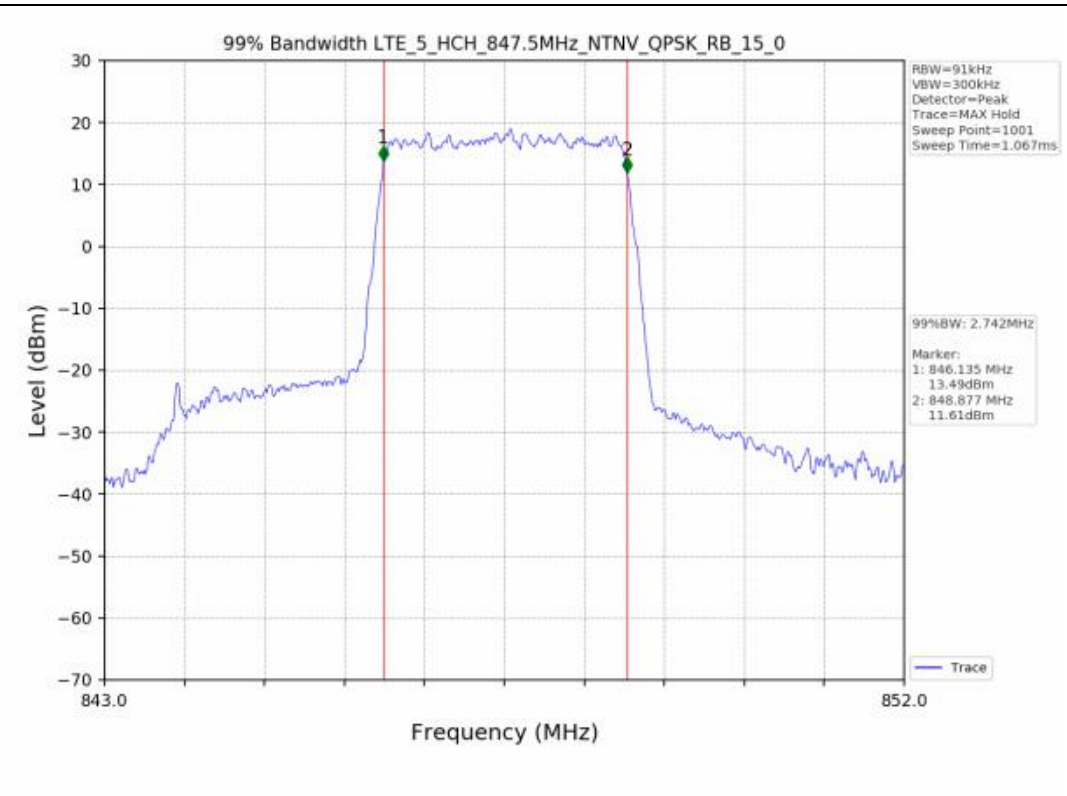



99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.739MHz
Marker:
1: 835.141 MHz
11.79dBm
2: 837.880 MHz
10.40dBm
Trace
Level (dBm)
Frequency (MHz)
832.0
841.0

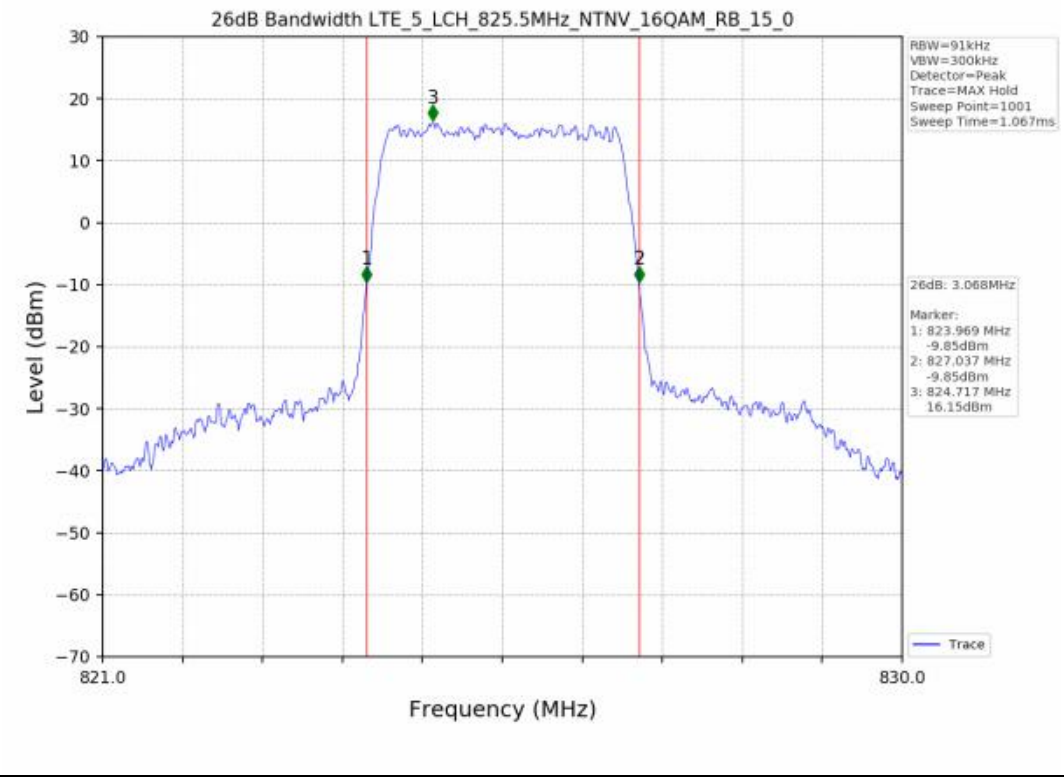

99% Bandwidth LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.740MHz
Marker:
1: 846.144 MHz
11.54dBm
2: 848.885 MHz
10.77dBm
Trace
Level (dBm)
Frequency (MHz)
843.0
852.0

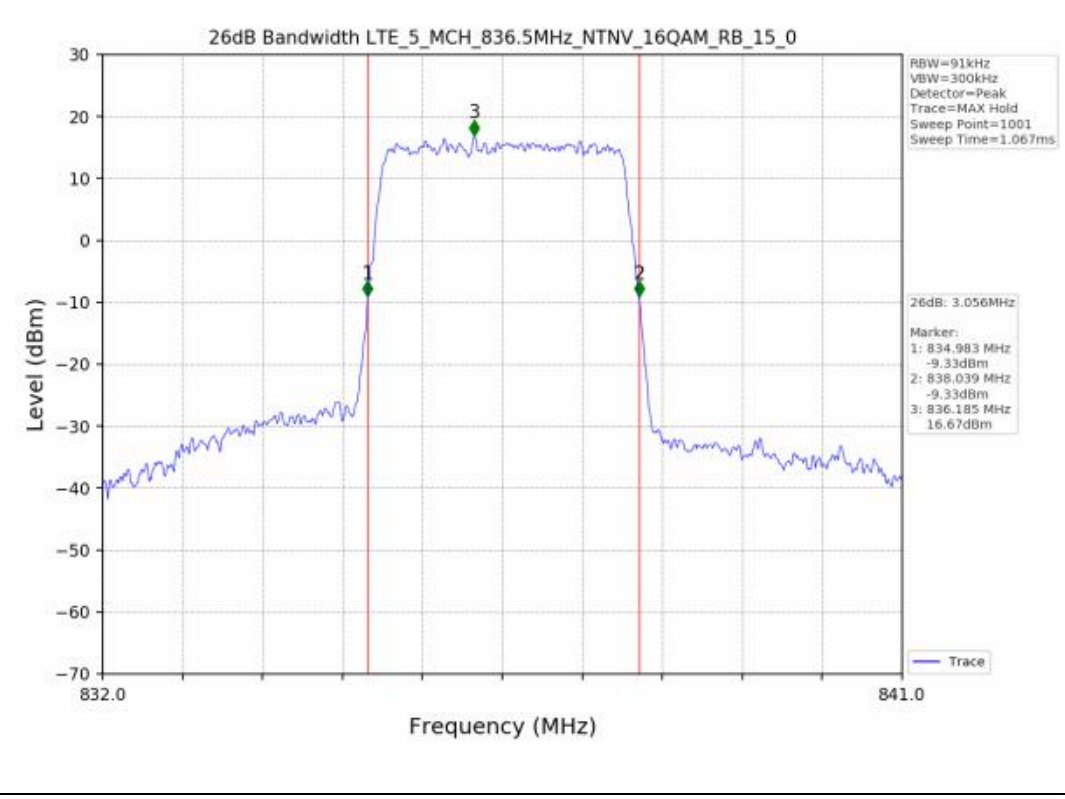

99% Bandwidth LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.747MHz
Marker:
1: 824.133 MHz
12.43dBm
2: 826.879 MHz
11.09dBm
Trace
Level (dBm)
Frequency (MHz)
821.0
830.0

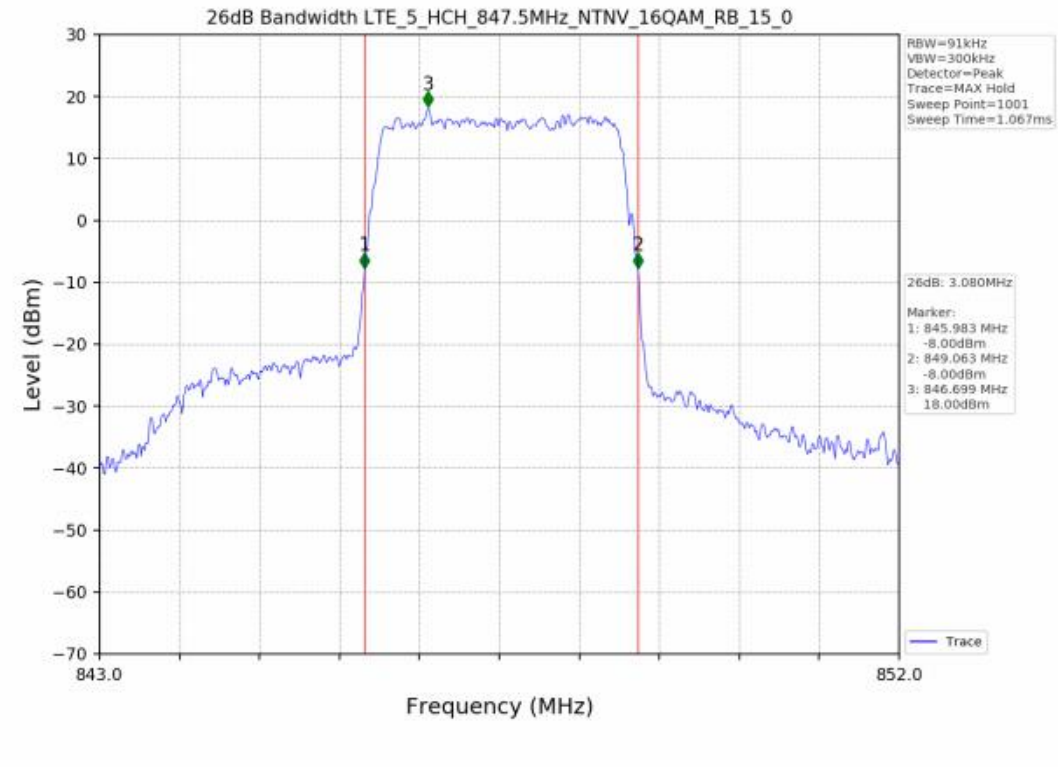

99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.741MHz
Marker:
1: 835.131 MHz
12.51dBm
2: 837.872 MHz
11.40dBm
Trace
Level (dBm)
Frequency (MHz)
832.0
841.0

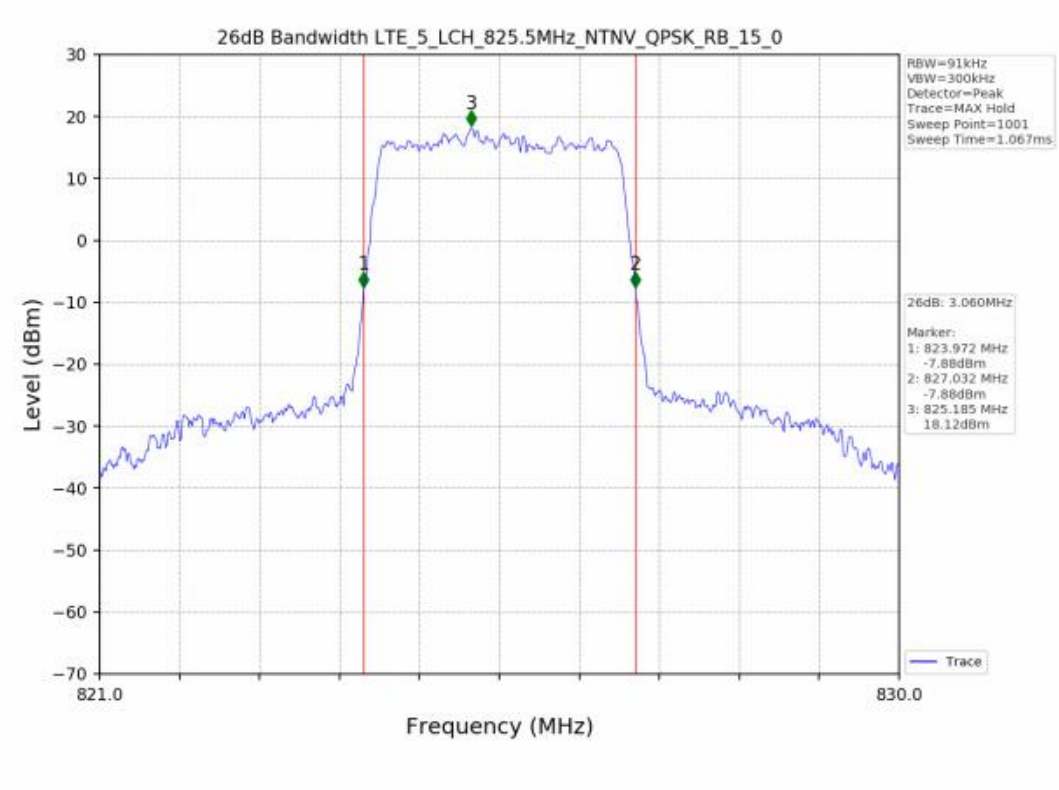

99% Bandwidth LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.742MHz
Marker:
1: 846.135 MHz
13.49dBm
2: 848.877 MHz
11.61dBm
Trace
Level (dBm)
Frequency (MHz)
843.0
852.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

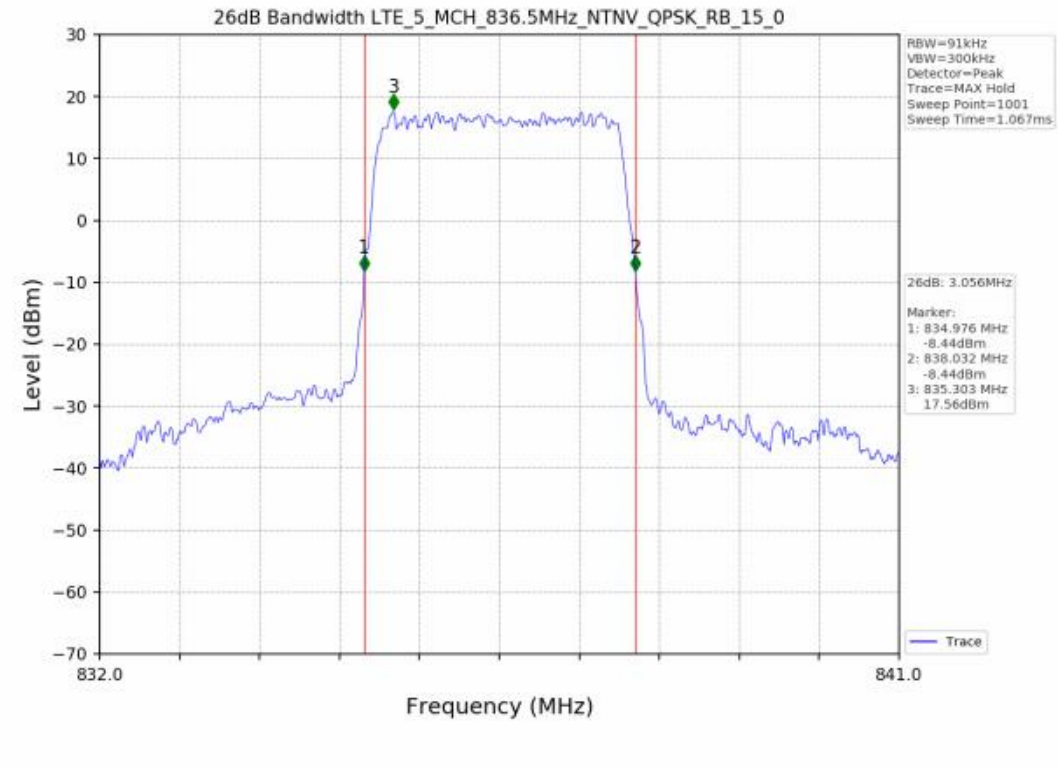
Test Band: 5 _ 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.060	3.056	3.063	N/A	PASS
16QAM	15	0	3.068	3.056	3.080	N/A	PASS

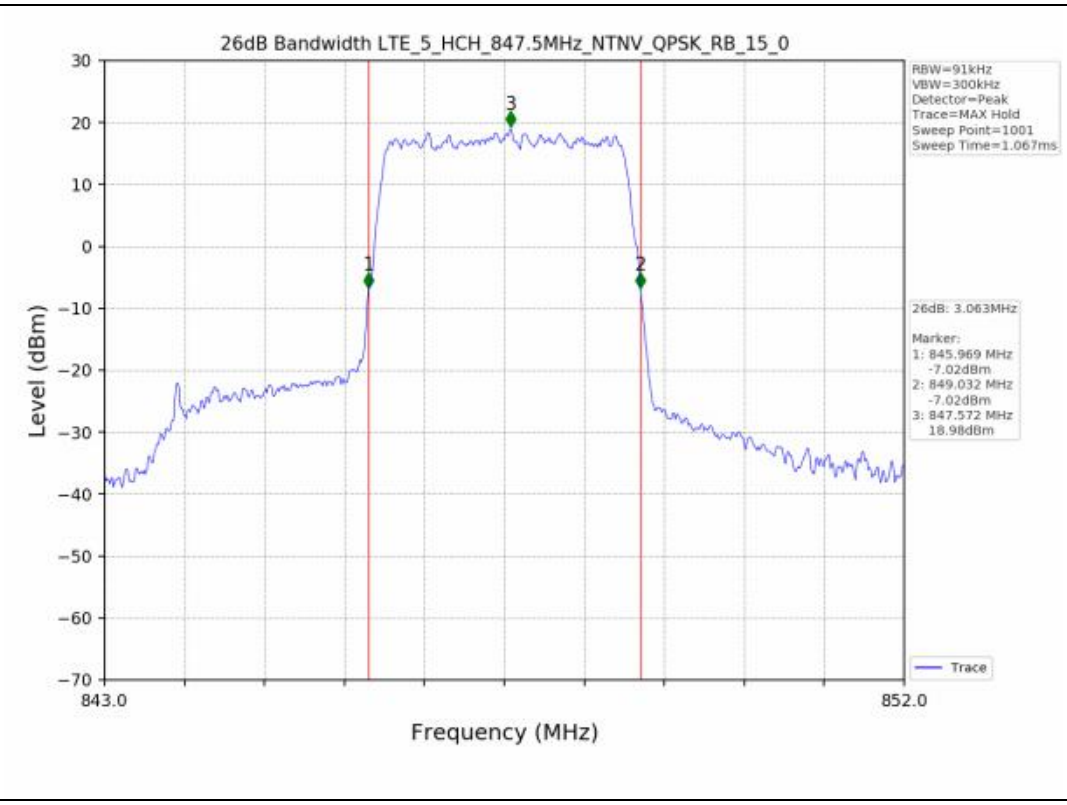



26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.056MHz
Marker:
1: 834.983 MHz
-9.33dBm
2: 838.039 MHz
-9.33dBm
3: 836.185 MHz
16.67dBm
Trace
Level (dBm)
Frequency (MHz)
832.0
841.0

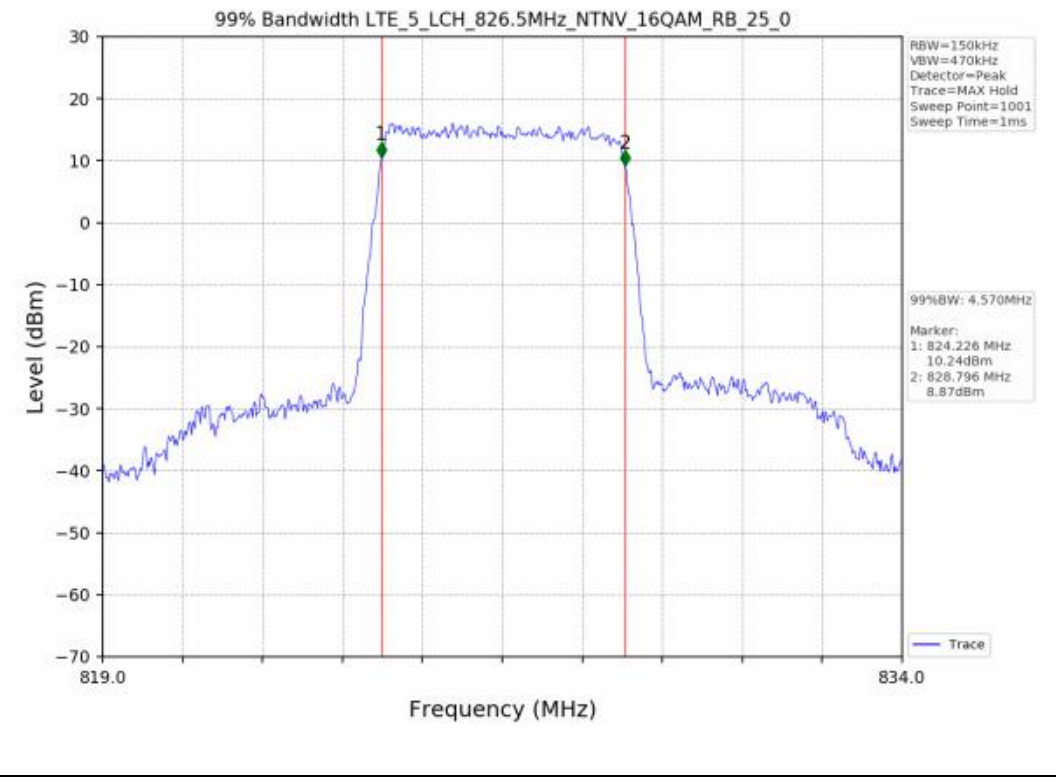

26dB Bandwidth LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.080MHz
Marker:
1: 845.983 MHz
-8.00dBm
2: 849.063 MHz
-8.00dBm
3: 846.699 MHz
18.00dBm
Trace
Level (dBm)
Frequency (MHz)
843.0
852.0

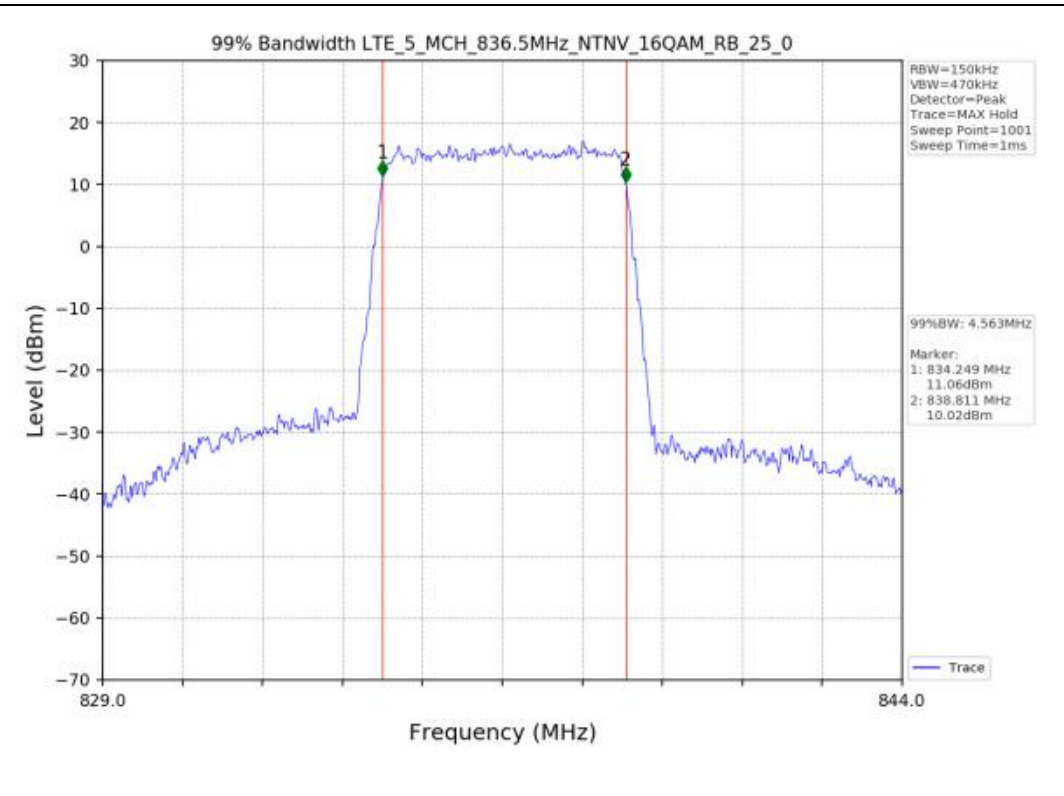

26dB Bandwidth LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.060MHz
Marker:
1: 823.972 MHz
-7.88dBm
2: 827.032 MHz
-7.88dBm
3: 825.185 MHz
18.12dBm
Trace
Level (dBm)
Frequency (MHz)
821.0
830.0

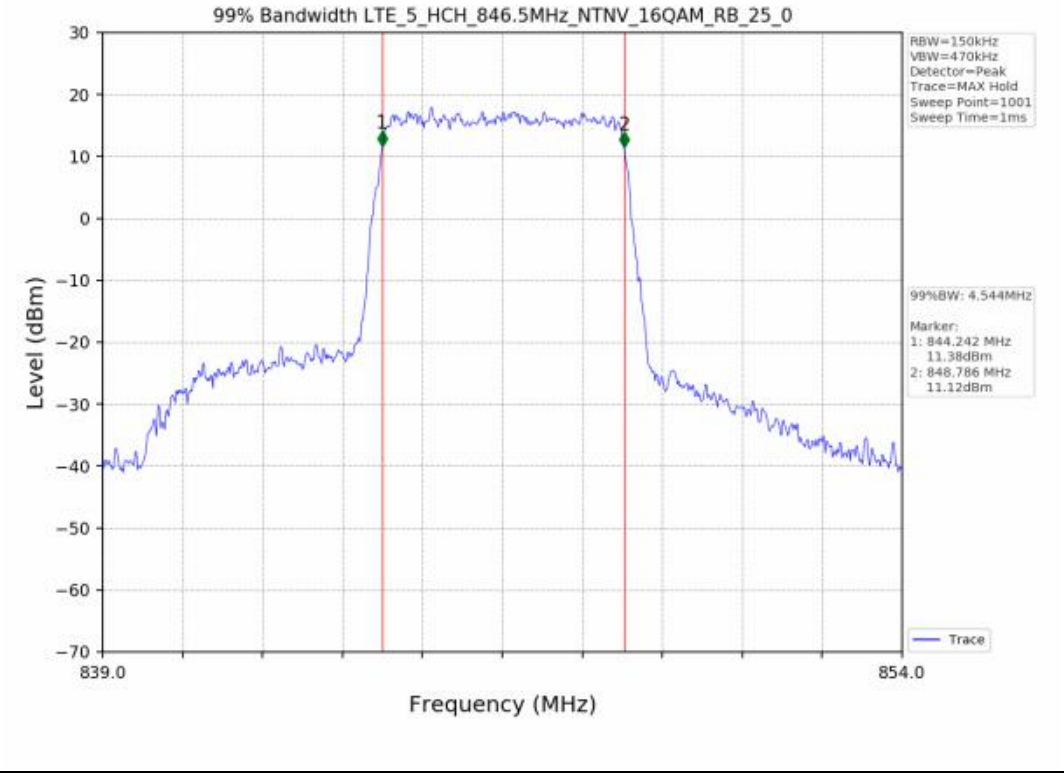

26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.056MHz
Marker:
1: 834.976 MHz
-8.44dBm
2: 838.032 MHz
-8.44dBm
3: 835.303 MHz
17.56dBm
Trace
Level (dBm)
Frequency (MHz)
832.0
841.0

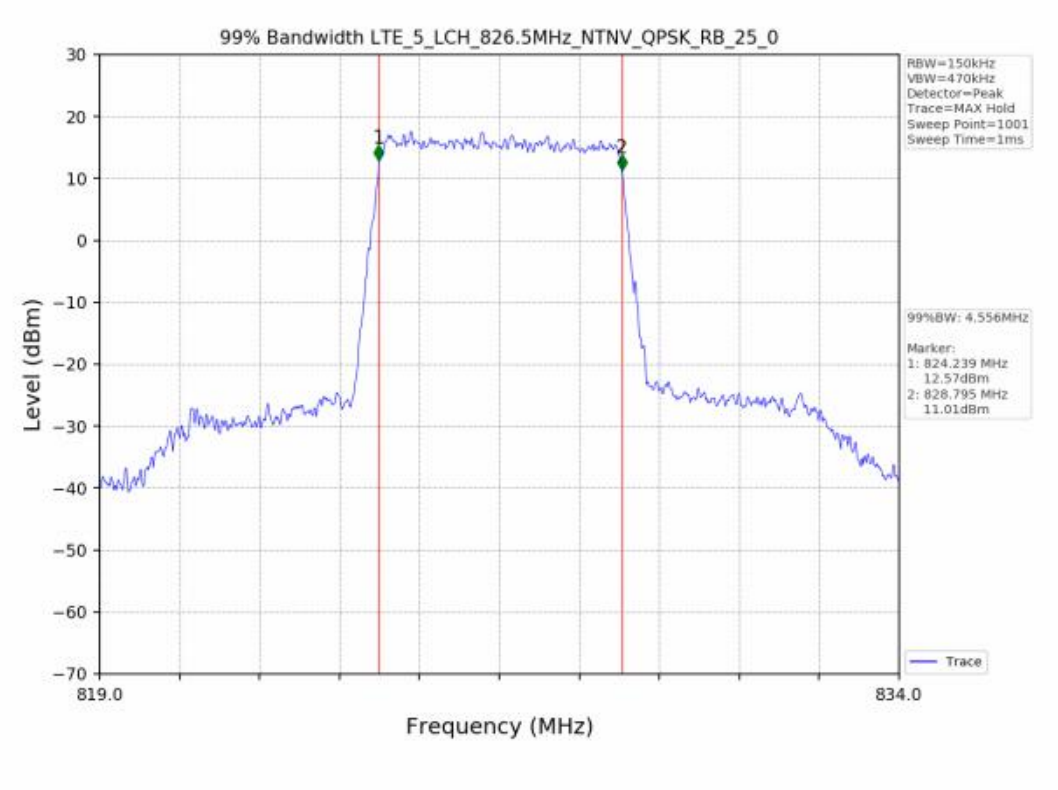

26dB Bandwidth LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.063MHz
Marker:
1: 845.969 MHz
-7.02dBm
2: 849.032 MHz
-7.02dBm
3: 847.572 MHz
18.98dBm
Trace
Level (dBm)
Frequency (MHz)
843.0
852.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70

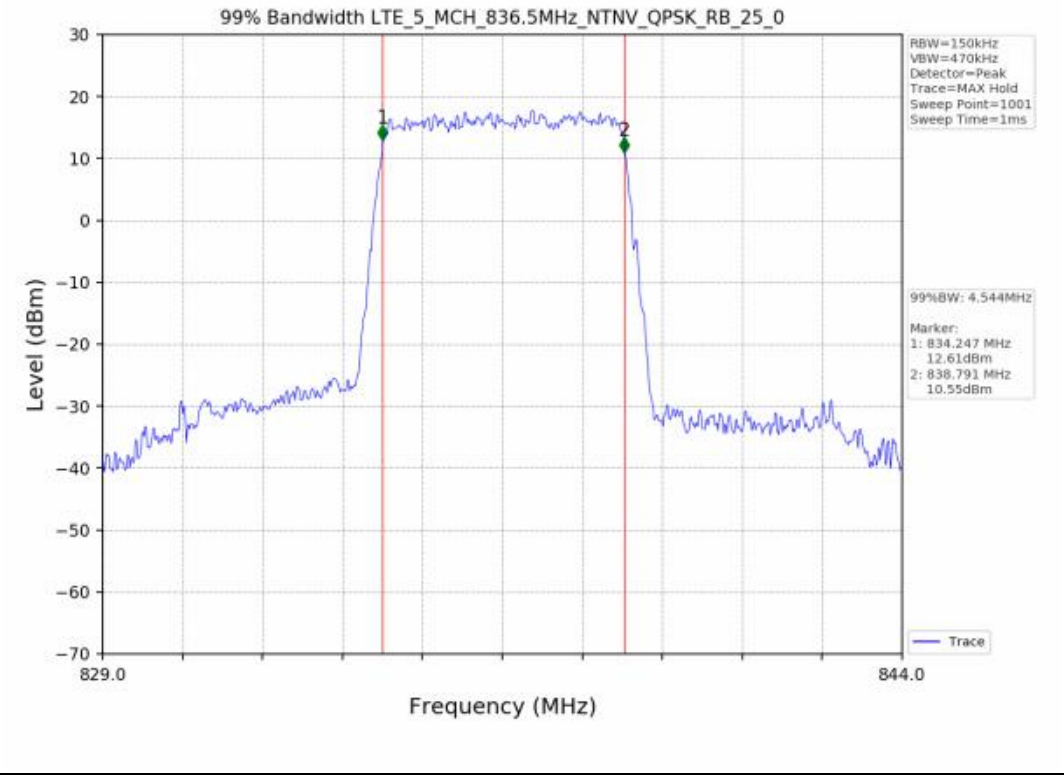
Test Band: 5 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.556	4.544	4.562	N/A	PASS
16QAM	25	0	4.570	4.563	4.544	N/A	PASS

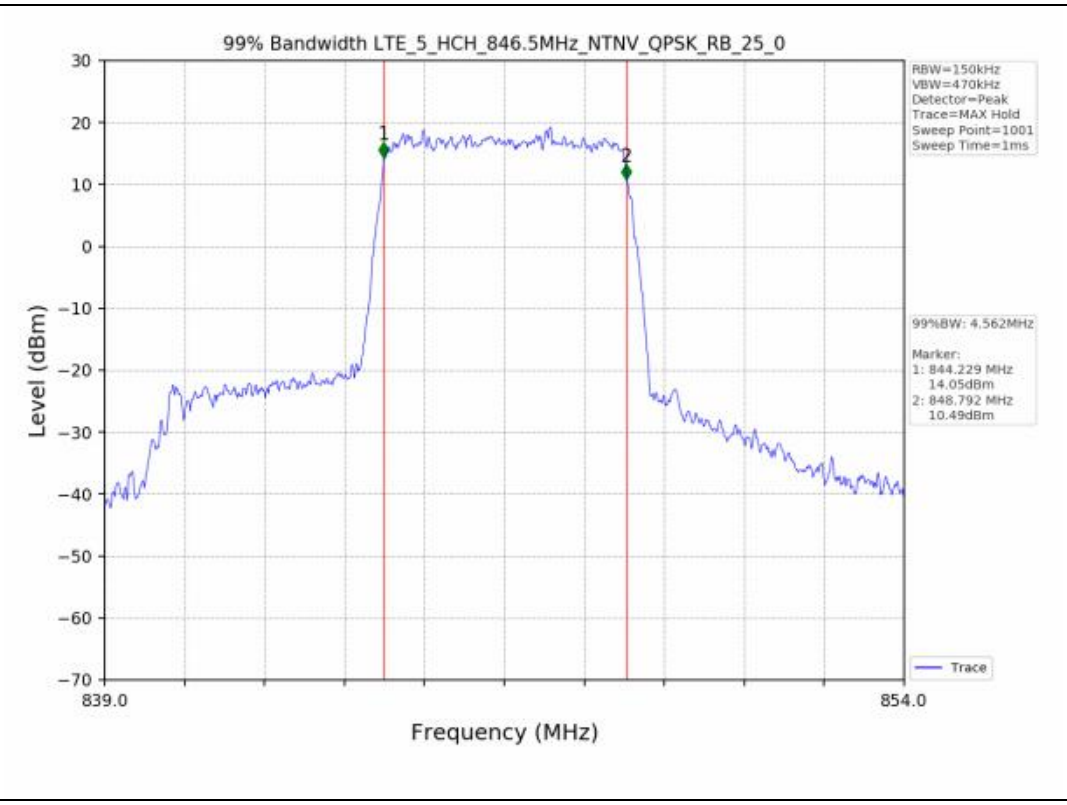



99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.563MHz
Marker:
1: 834.249 MHz
11.06dBm
2: 838.811 MHz
10.02dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

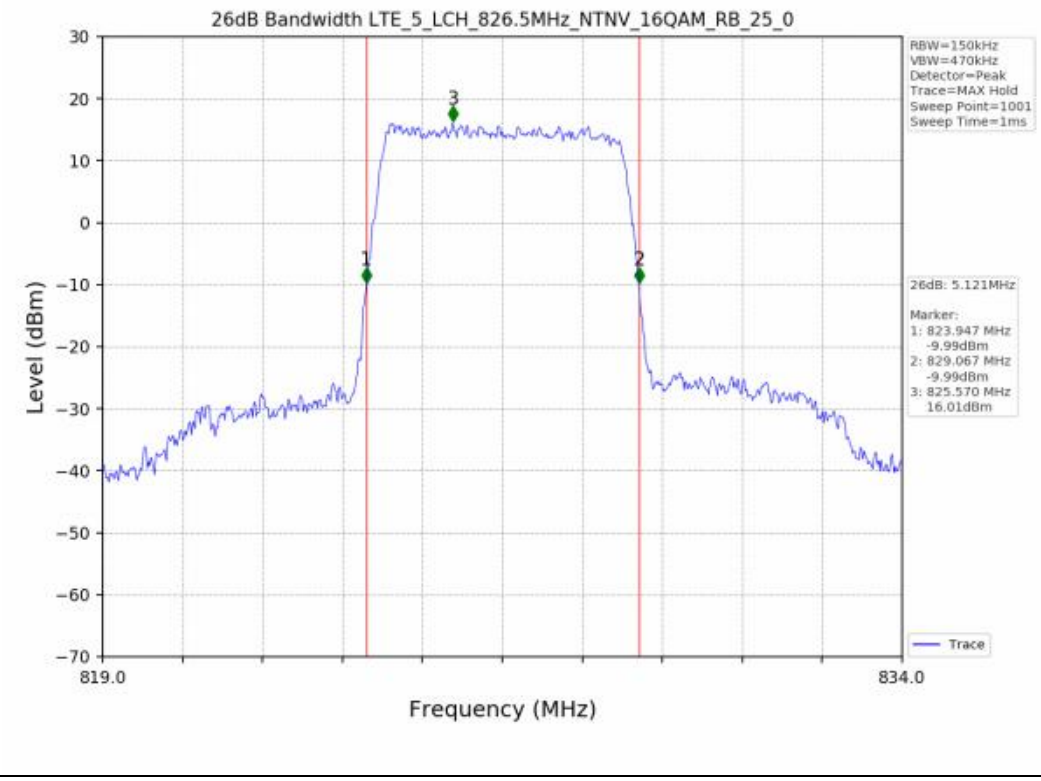

99% Bandwidth LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.544MHz
Marker:
1: 844.242 MHz
11.38dBm
2: 848.786 MHz
11.12dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

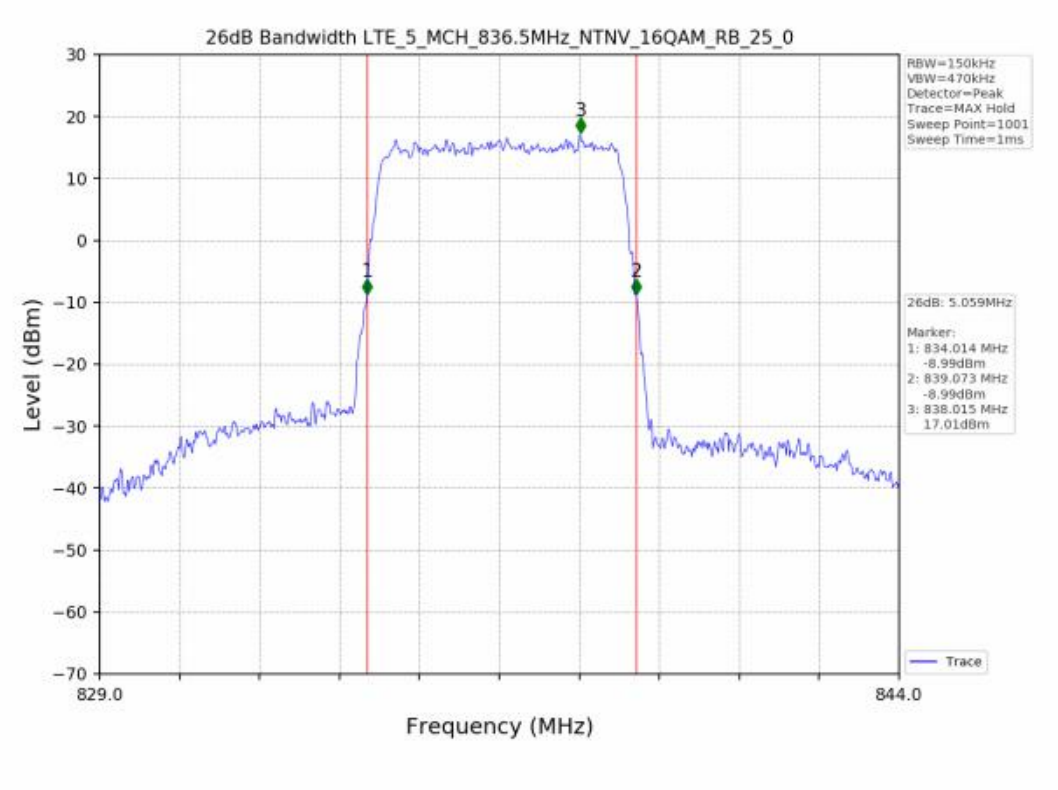

99% Bandwidth LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.556MHz
Marker:
1: 824.239 MHz
12.57dBm
2: 828.795 MHz
11.01dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0

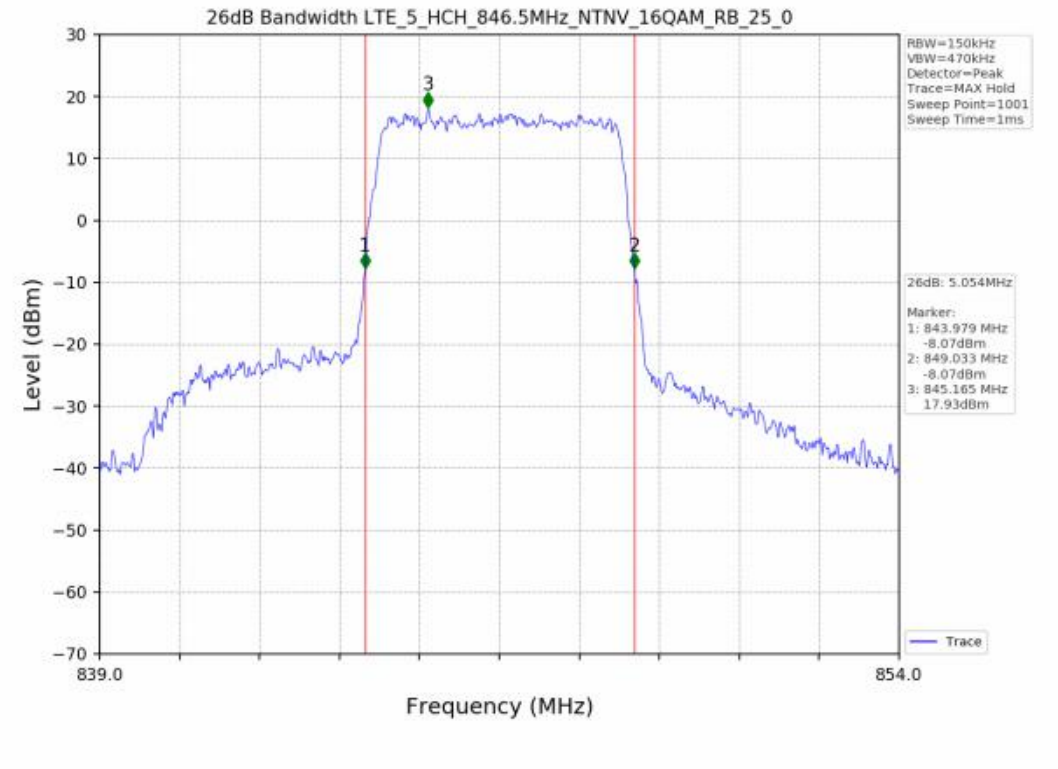

99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.544MHz
Marker:
1: 834.247 MHz
12.61dBm
2: 838.791 MHz
10.55dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

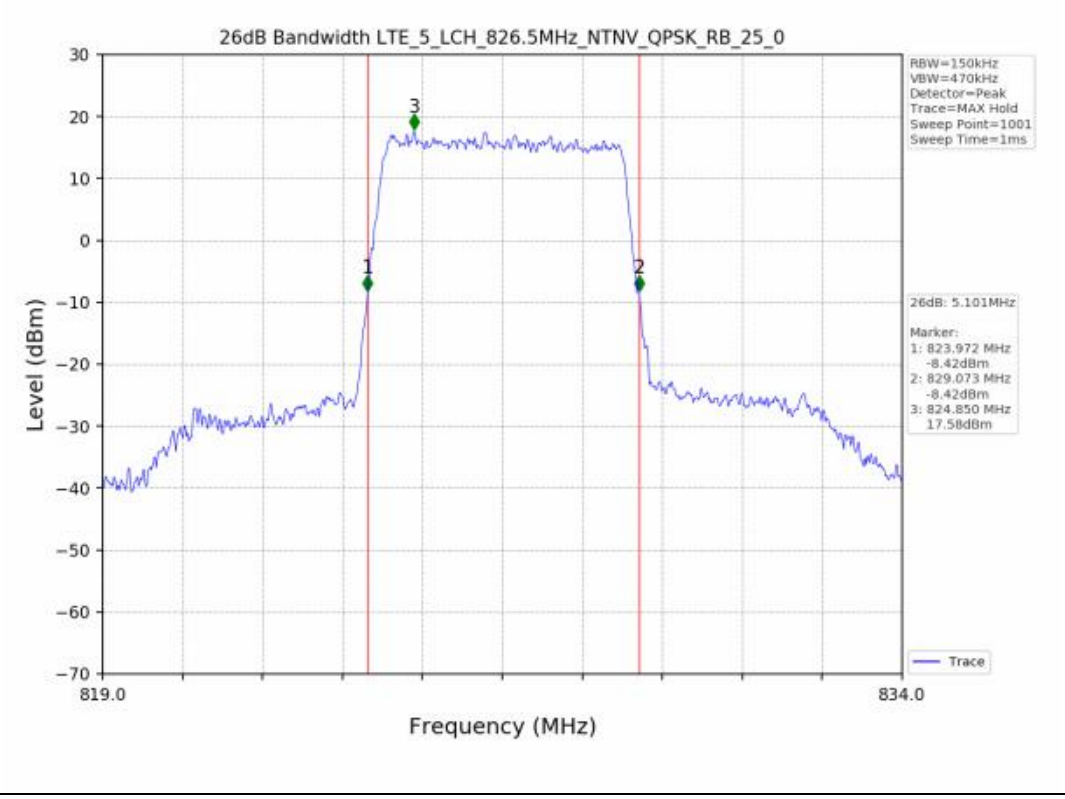

99% Bandwidth LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.562MHz
Marker:
1: 844.229 MHz
14.05dBm
2: 848.792 MHz
10.49dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

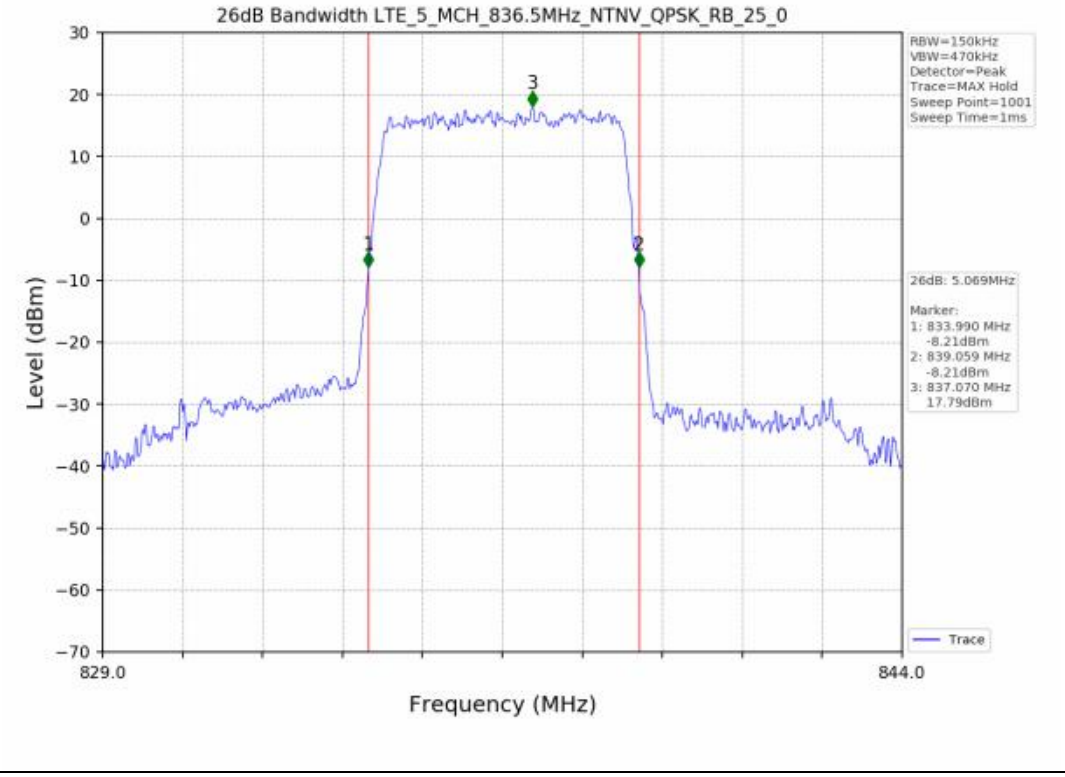
Test Band: 5 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.101	5.069	5.075	N/A	PASS
16QAM	25	0	5.121	5.059	5.054	N/A	PASS

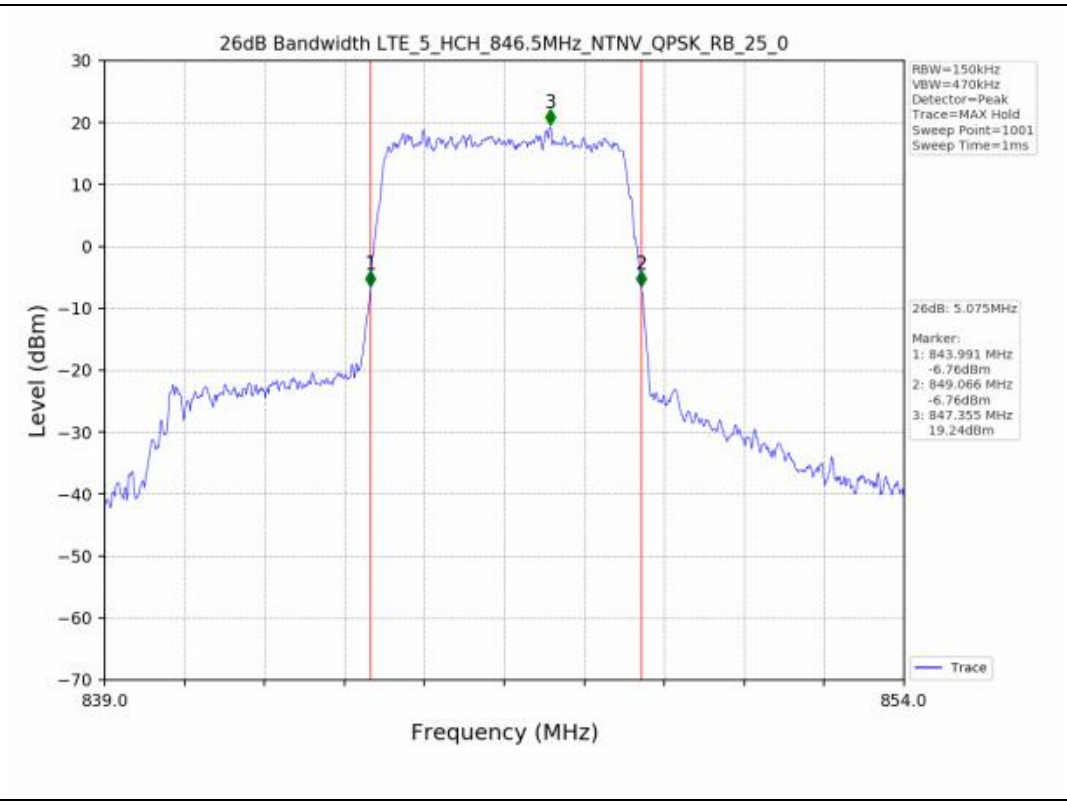



26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.059MHz
Marker:
1: 834.014 MHz
-8.99dBm
2: 839.073 MHz
-8.99dBm
3: 838.015 MHz
17.01dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

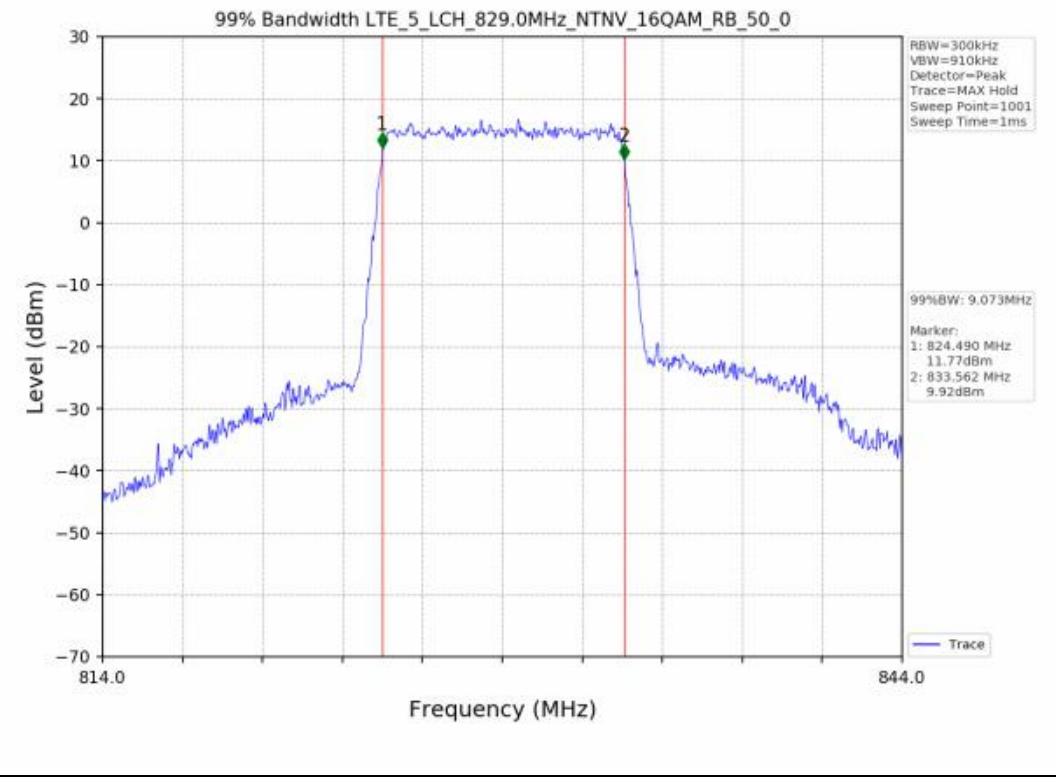

26dB Bandwidth LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.054MHz
Marker:
1: 843.979 MHz
-8.07dBm
2: 849.033 MHz
-8.07dBm
3: 845.165 MHz
17.93dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

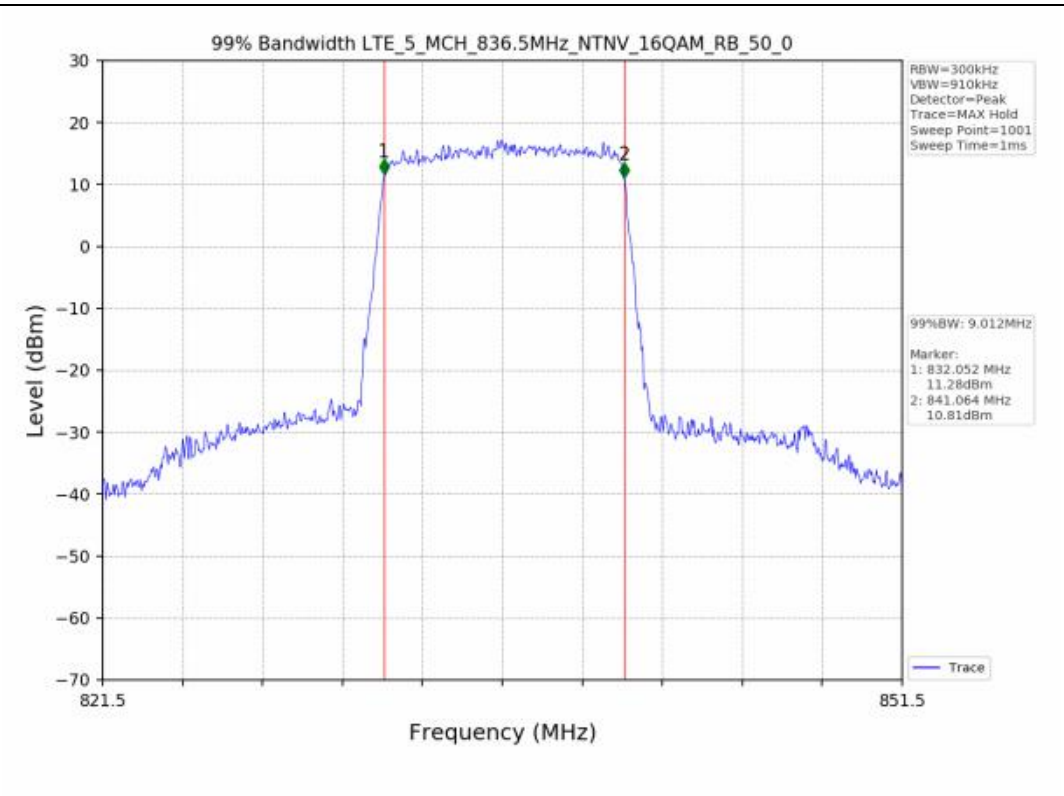

26dB Bandwidth LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.101MHz
Marker:
1: 823.972 MHz
-8.42dBm
2: 829.073 MHz
-8.42dBm
3: 824.850 MHz
17.58dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0

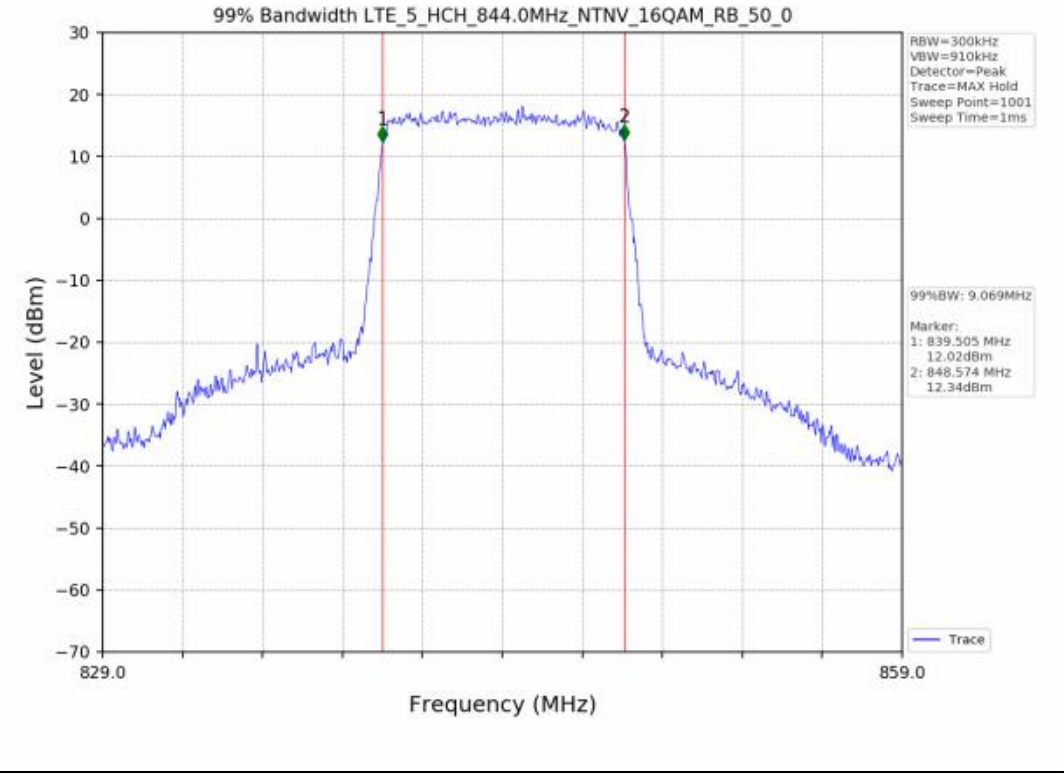

26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.069MHz
Marker:
1: 833.990 MHz
-8.21dBm
2: 839.059 MHz
-8.21dBm
3: 837.070 MHz
17.79dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

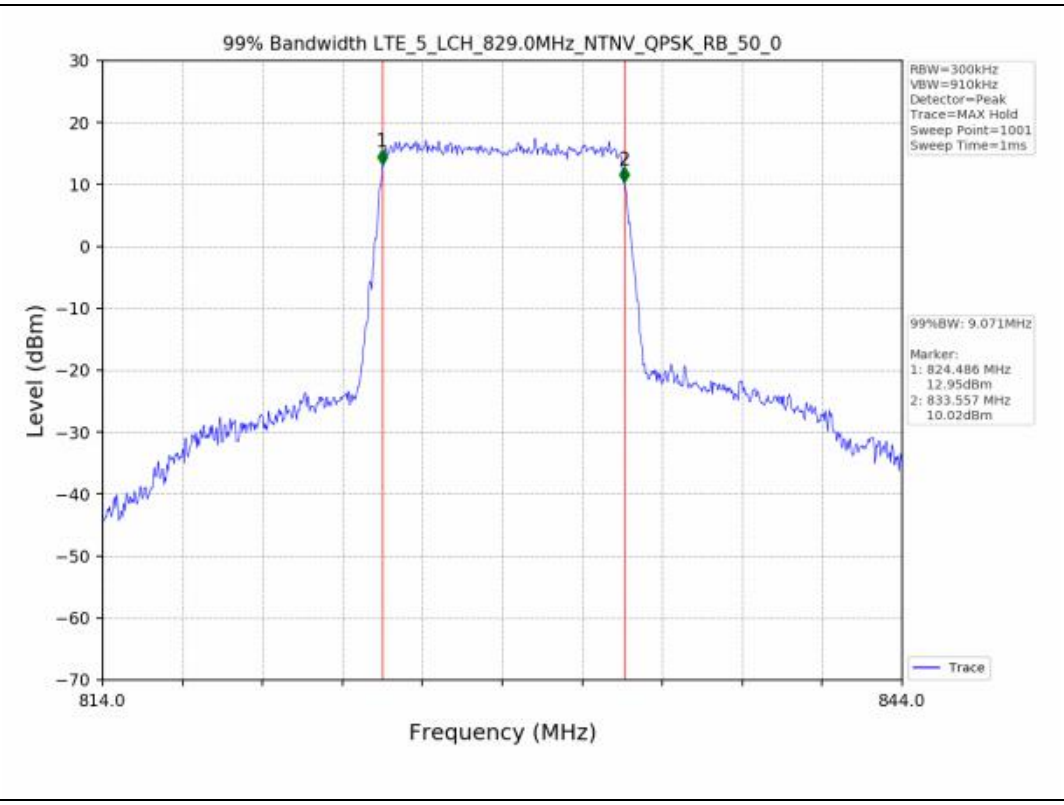

26dB Bandwidth LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.075MHz
Marker:
1: 843.991 MHz
-6.76dBm
2: 849.066 MHz
-6.76dBm
3: 847.355 MHz
19.24dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

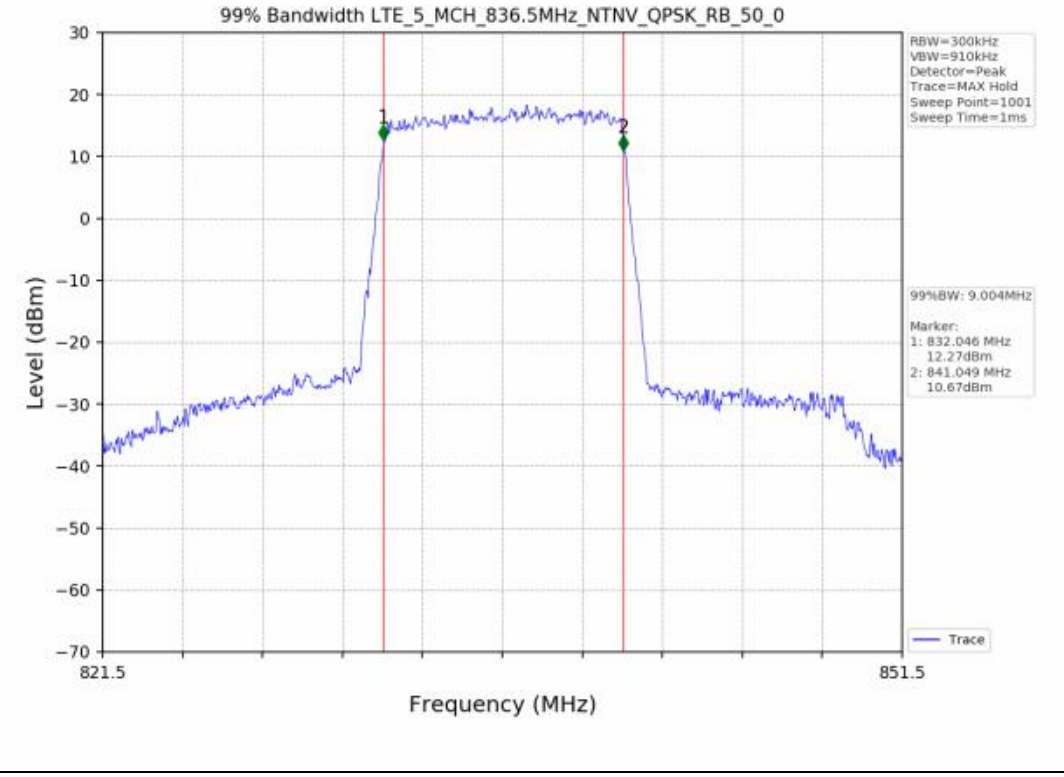
Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.071	9.004	9.050	N/A	PASS
16QAM	50	0	9.073	9.012	9.069	N/A	PASS

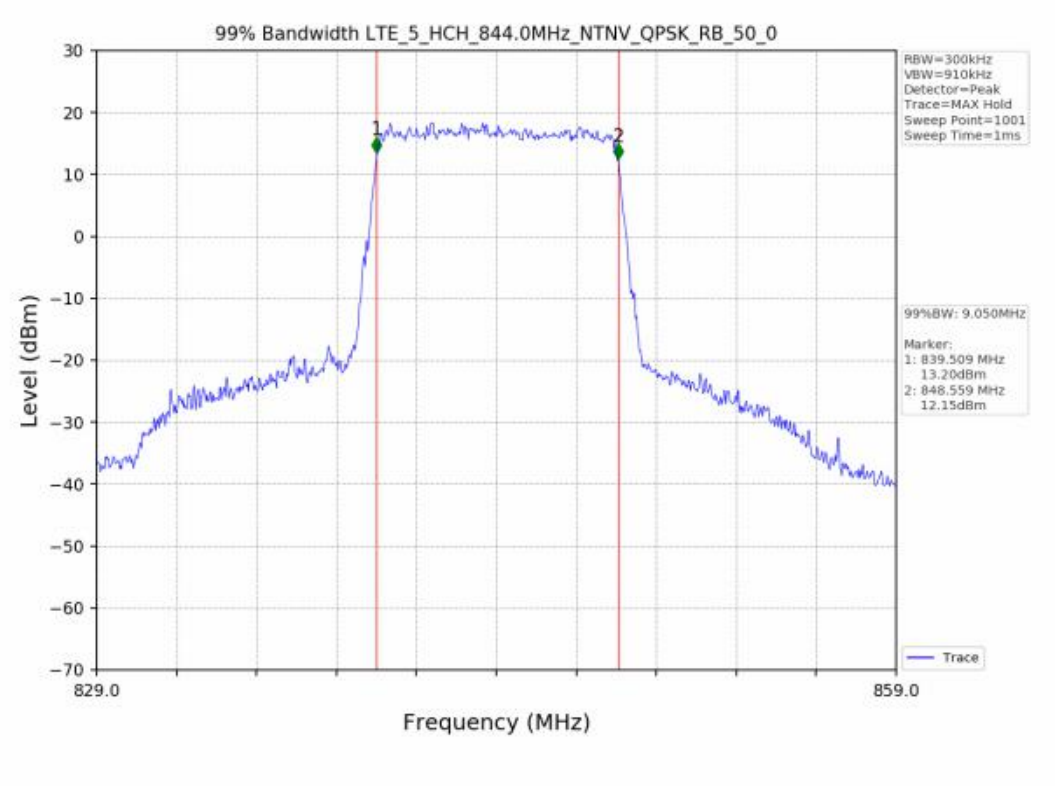



99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.012MHz
Marker:
1: 832.052 MHz
11.28dBm
2: 841.064 MHz
10.81dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5

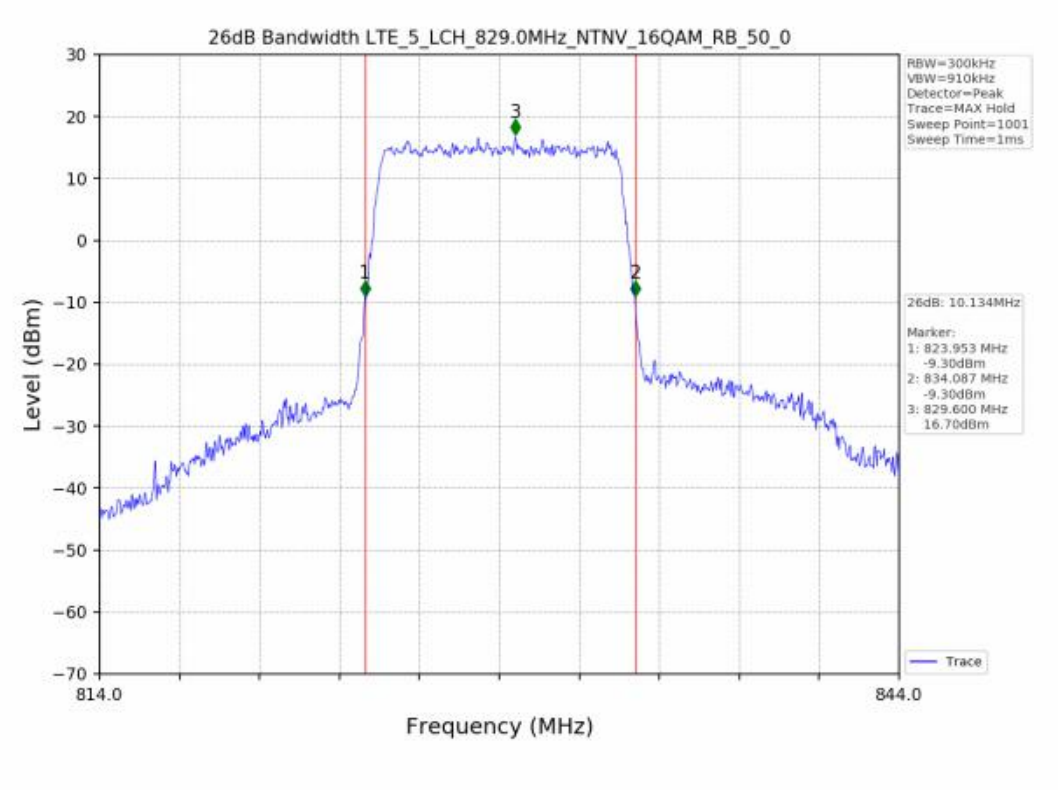

99% Bandwidth LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.069MHz
Marker:
1: 839.505 MHz
12.02dBm
2: 848.574 MHz
12.34dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0

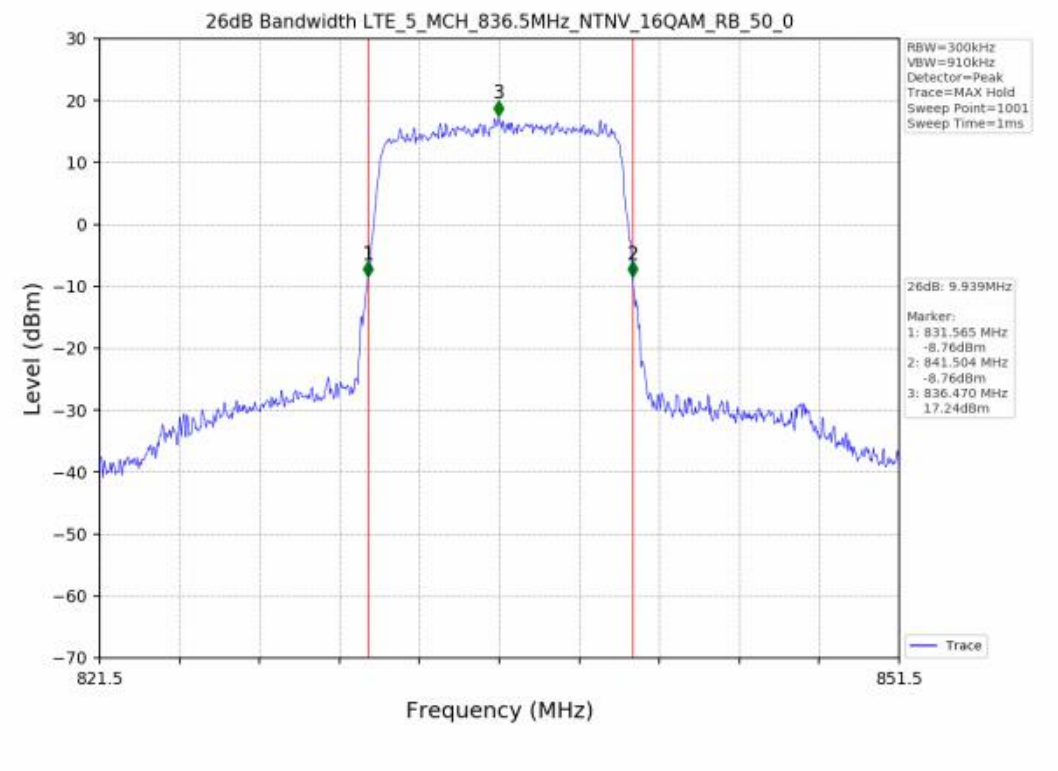

99% Bandwidth LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.071MHz
Marker:
1: 824.486 MHz
12.95dBm
2: 833.557 MHz
10.02dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0

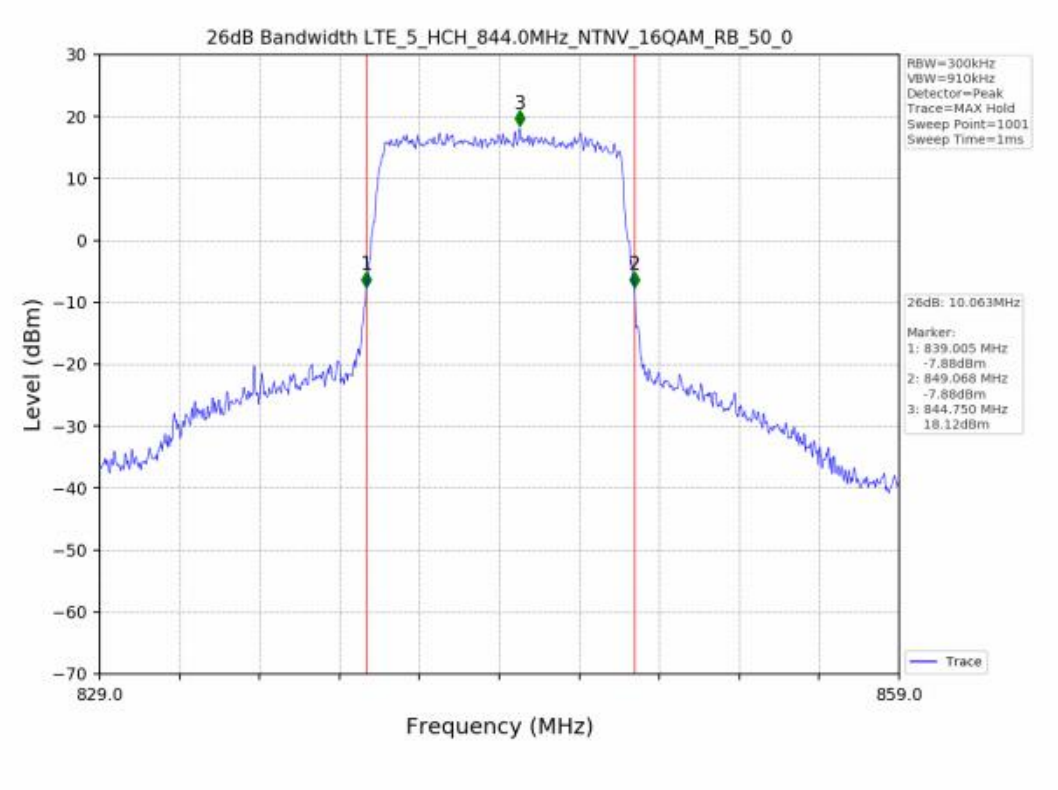

99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.004MHz
Marker:
1: 832.046 MHz
12.27dBm
2: 841.049 MHz
10.67dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5

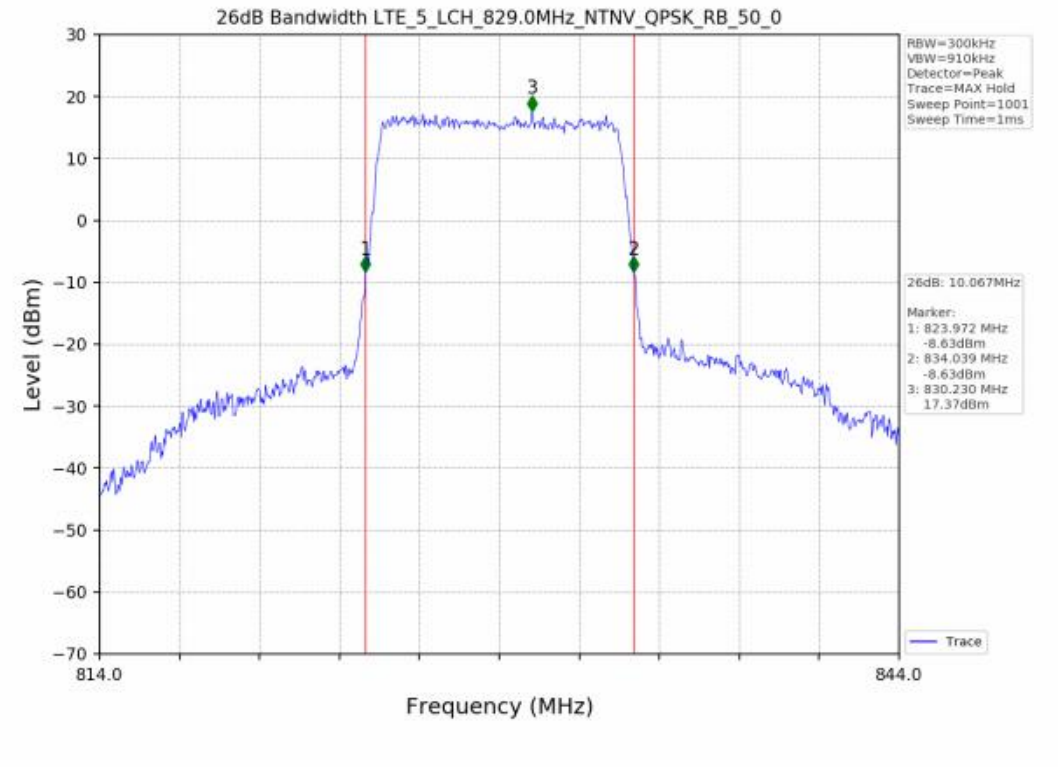


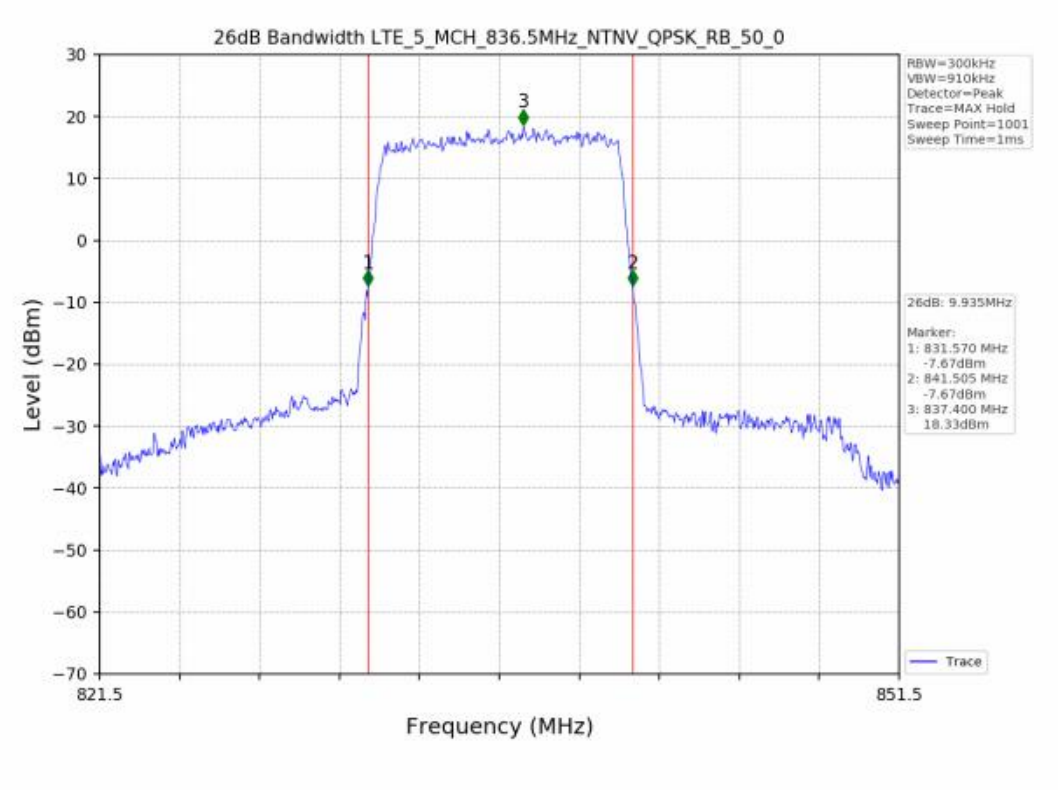
Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.067	9.935	10.089	N/A	PASS
16QAM	50	0	10.134	9.939	10.063	N/A	PASS

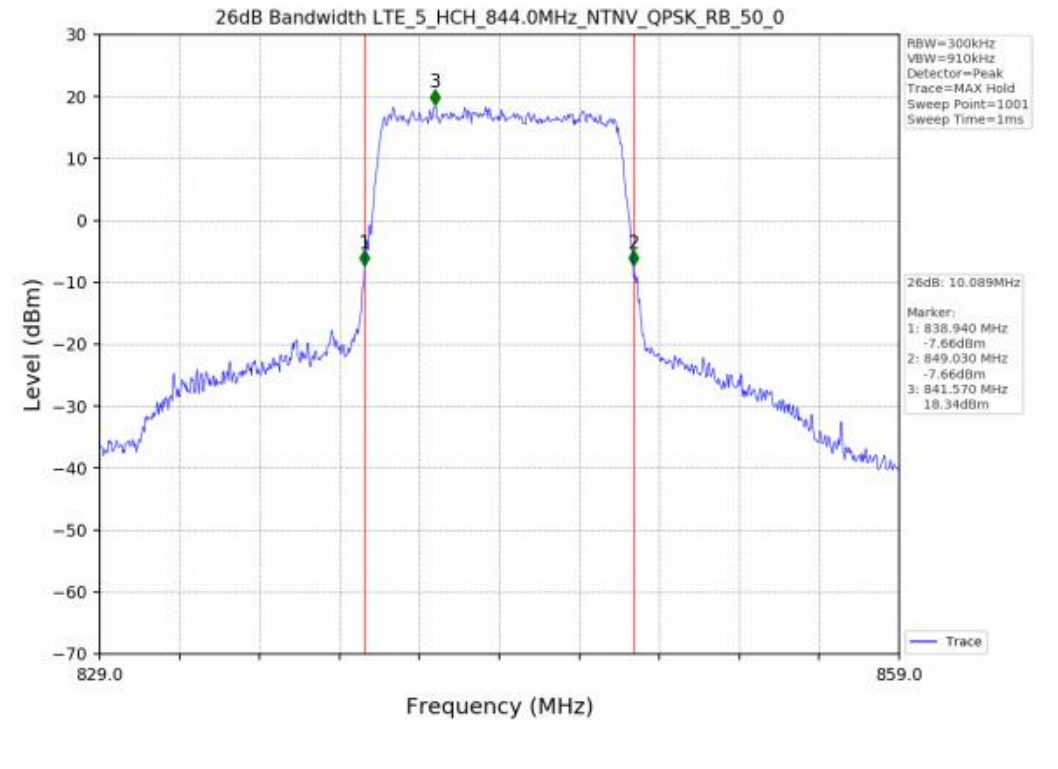

26dB Bandwidth LTE_5_LCH_829.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.134MHz
Marker:
1: 823.953 MHz
-9.30dBm
2: 834.087 MHz
-9.30dBm
3: 829.600 MHz
16.70dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0


26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.939MHz
Marker:
1: 831.565 MHz
-8.76dBm
2: 841.504 MHz
-8.76dBm
3: 836.470 MHz
17.24dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5


26dB Bandwidth LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.063MHz
Marker:
1: 839.005 MHz
-7.88dBm
2: 849.068 MHz
-7.88dBm
3: 844.750 MHz
18.12dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0


26dB Bandwidth LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.067MHz
Marker:
1: 823.972 MHz
-8.63dBm
2: 834.039 MHz
-8.63dBm
3: 830.230 MHz
17.37dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0

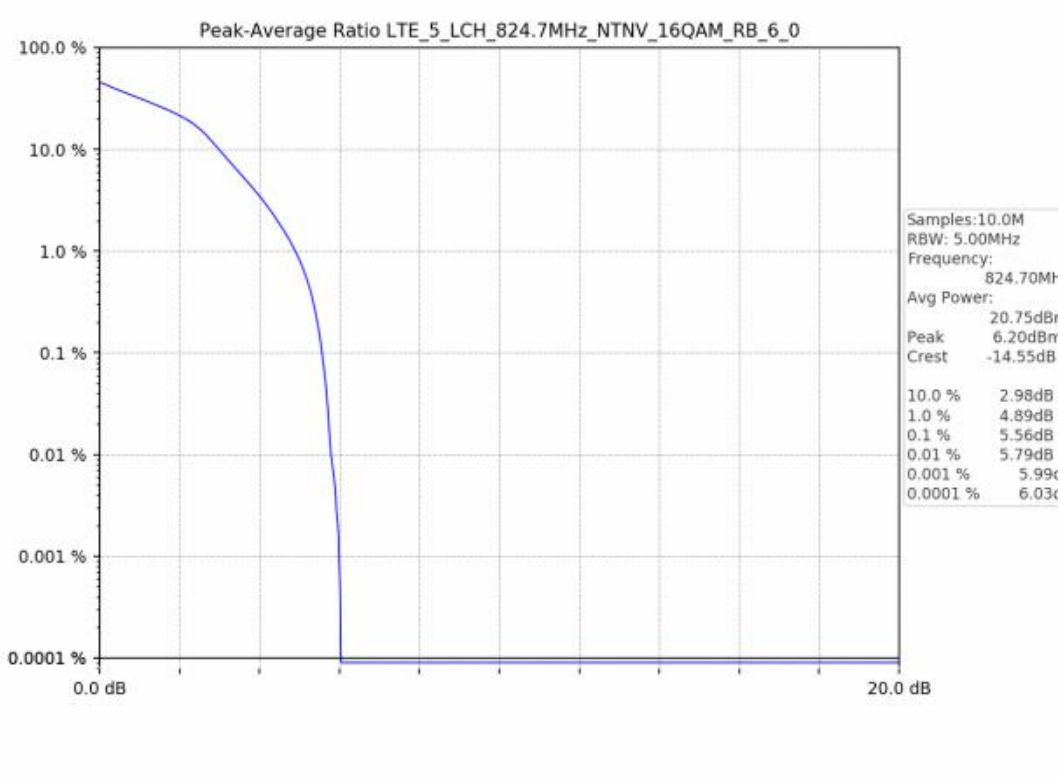

26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.935MHz
Marker:
1: 831.570 MHz
-7.67dBm
2: 841.505 MHz
-7.67dBm
3: 837.400 MHz
18.33dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5

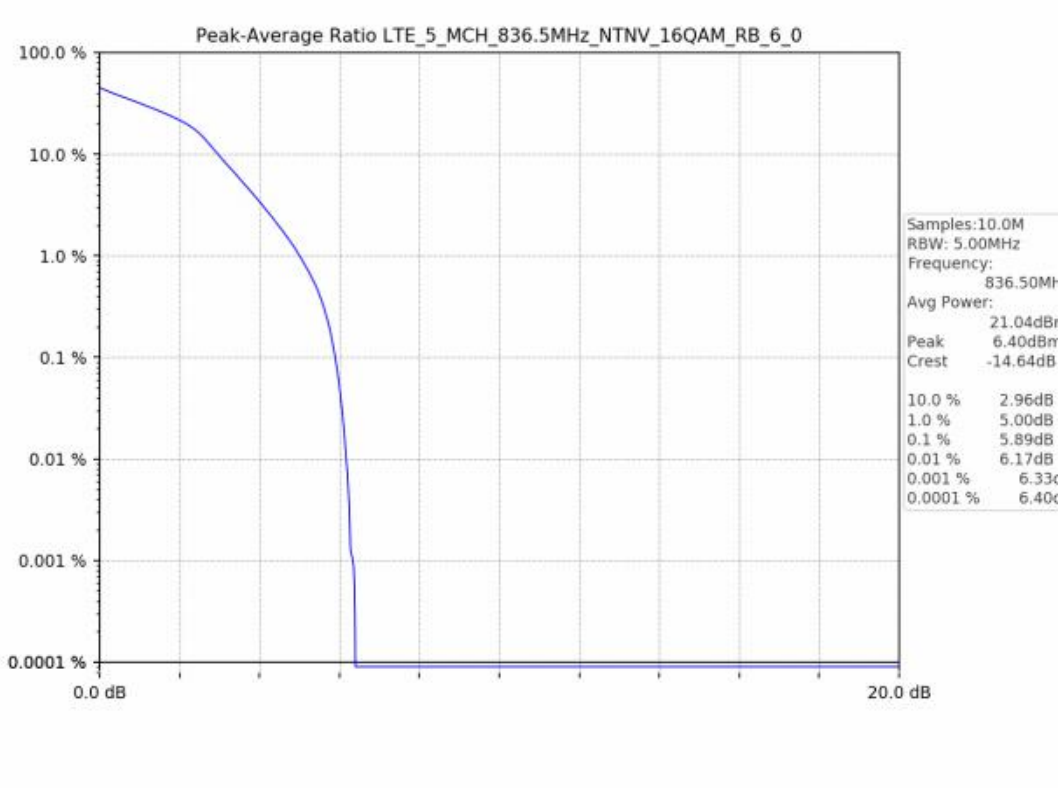

26dB Bandwidth LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.089MHz
Marker:
1: 838.940 MHz
-7.66dBm
2: 849.030 MHz
-7.66dBm
3: 841.570 MHz
18.34dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0

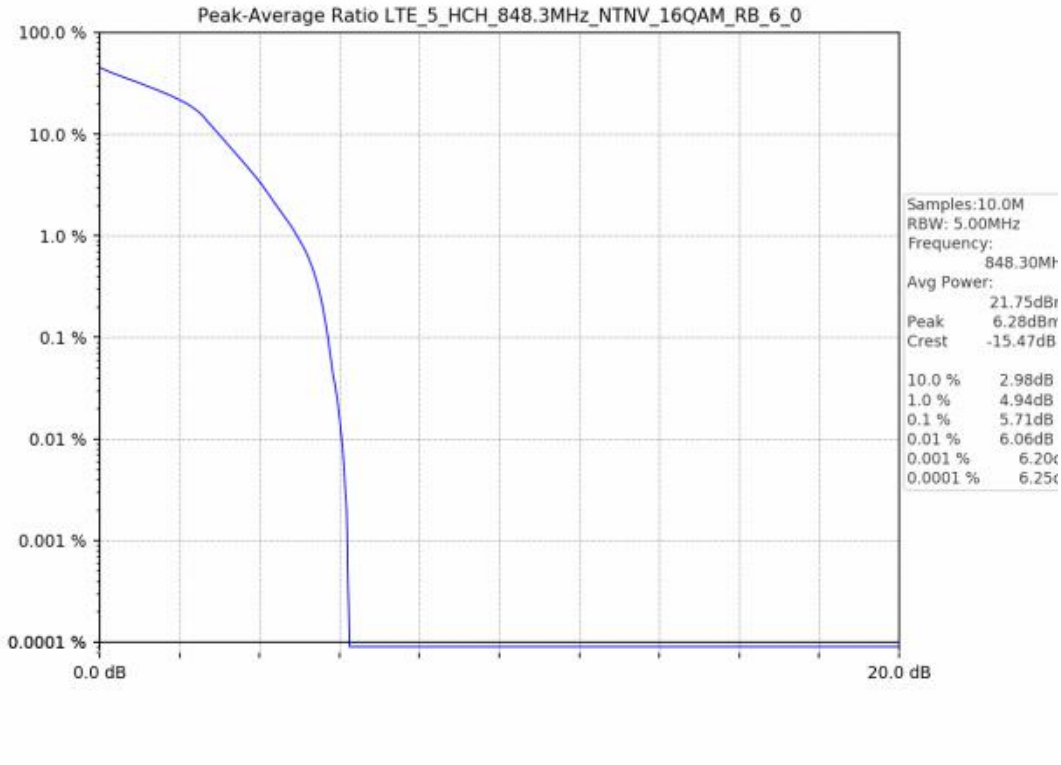
F4. Peak-Average Ratio

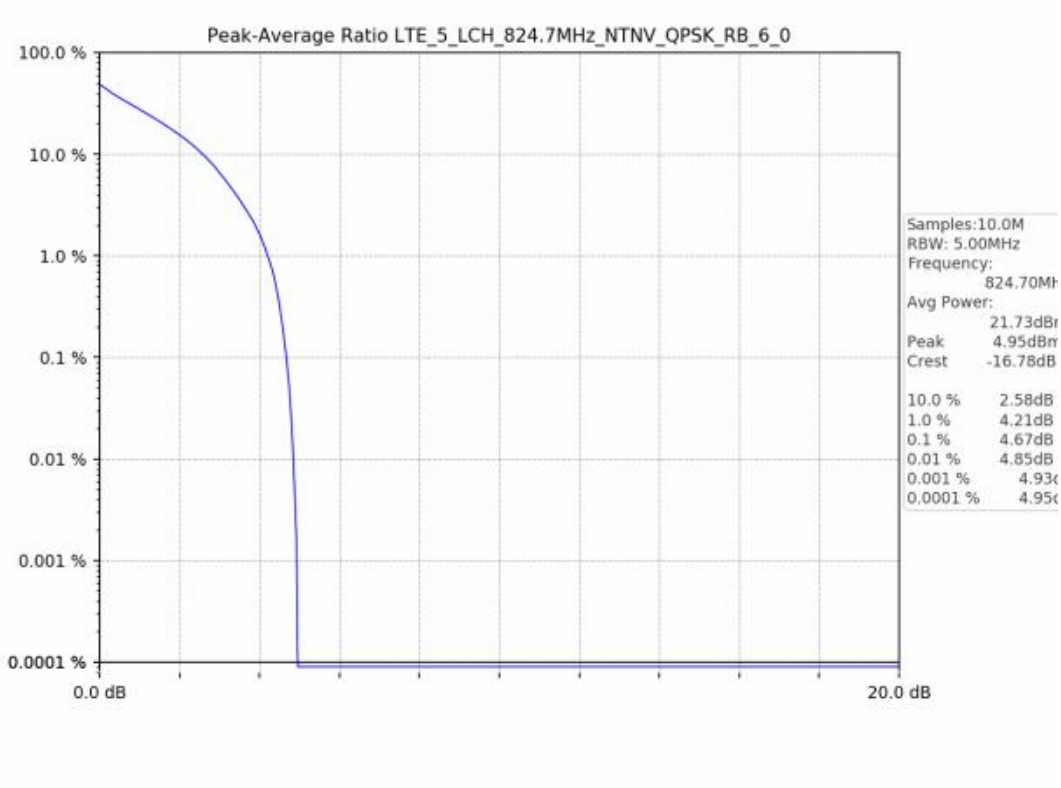
F4.1 Test Result

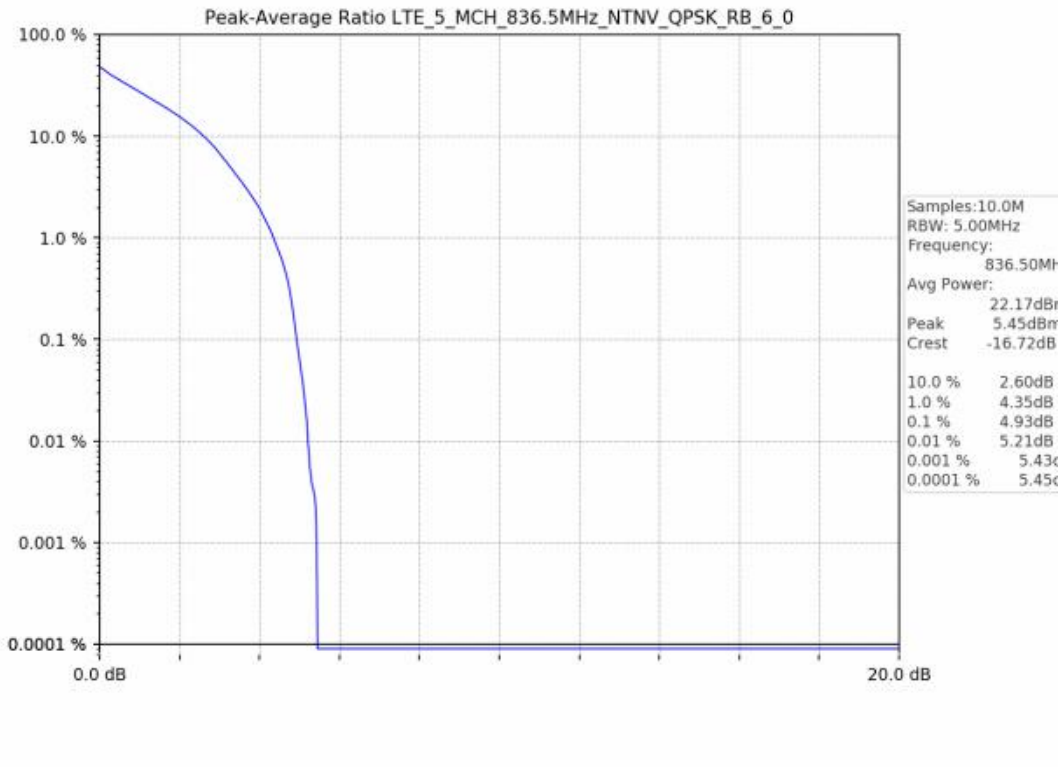
Test Band: 5 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	4.67	4.93	4.76	13	PASS
16QAM	6	0	5.56	5.89	5.71	13	PASS

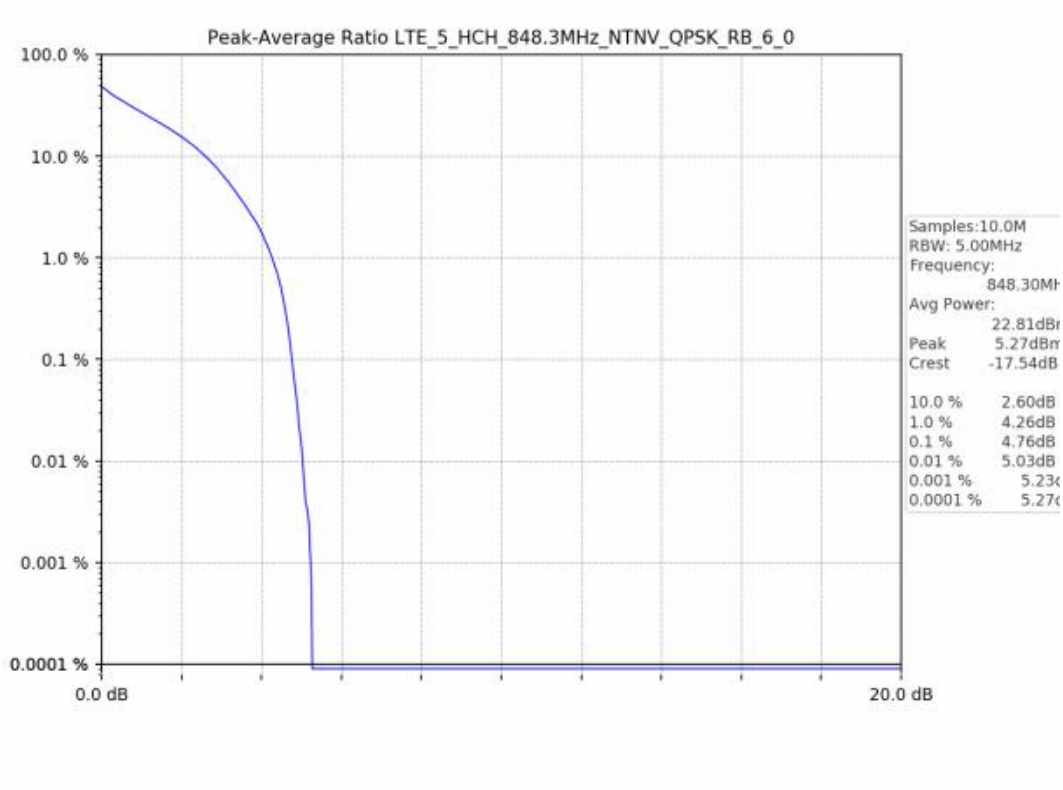



Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_6_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
21.04dBr
Peak 6.40dBr
Crest -14.64dB
10.0 % 2.96dB
1.0 % 5.00dB
0.1 % 5.89dB
0.01 % 6.17dB
0.001 % 6.33
0.0001 % 6.40

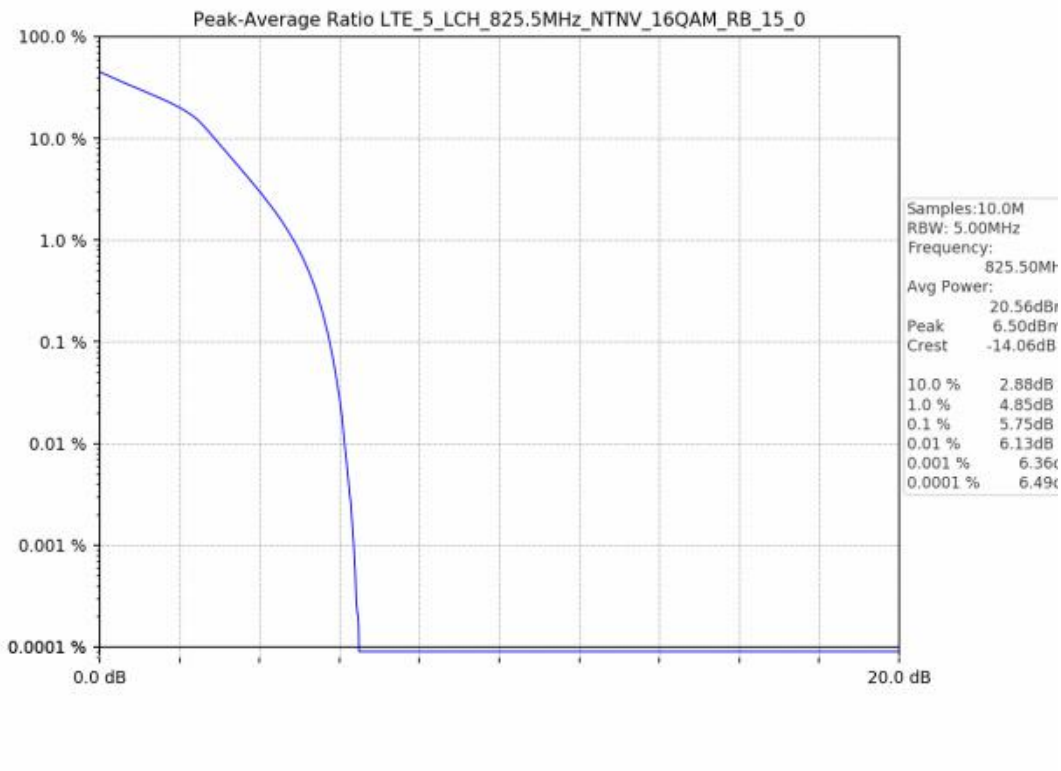

Peak-Average Ratio LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_6_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
848.30MH
Avg Power:
21.75dBr
Peak 6.28dBr
Crest -15.47dB
10.0 % 2.98dB
1.0 % 4.94dB
0.1 % 5.71dB
0.01 % 6.06dB
0.001 % 6.20
0.0001 % 6.25

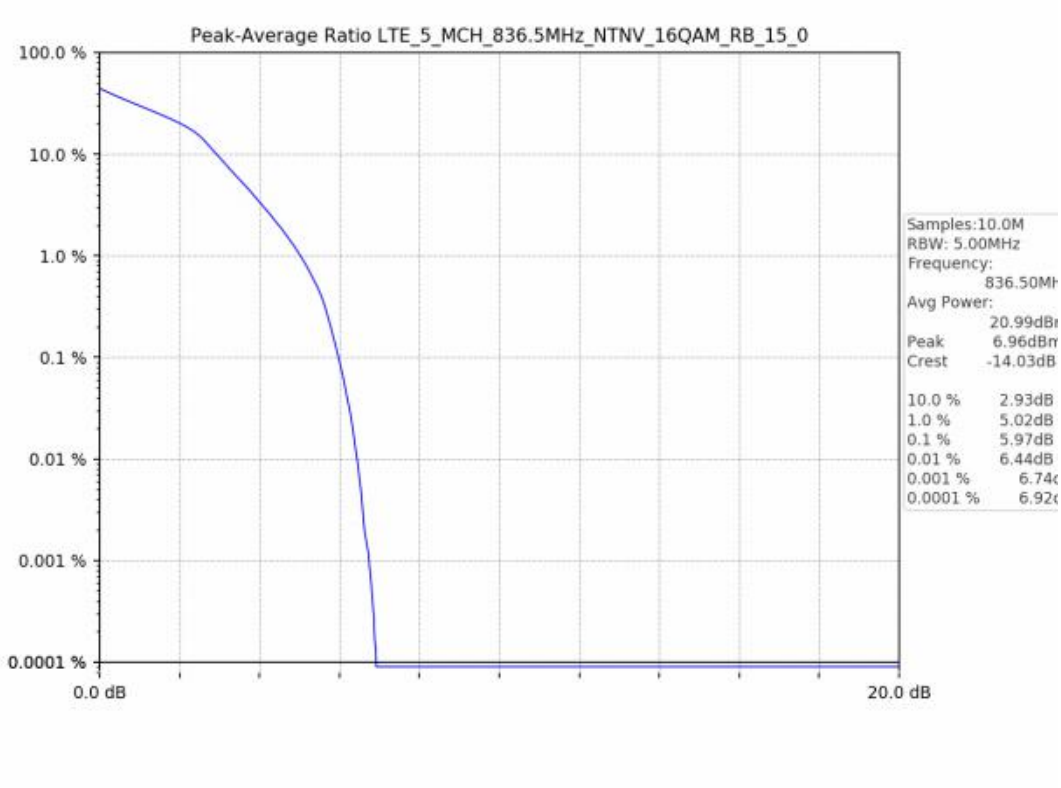

Peak-Average Ratio LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_6_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
824.70MH
Avg Power:
21.73dBr
Peak 4.95dBr
Crest -16.78dB
10.0 % 2.58dB
1.0 % 4.21dB
0.1 % 4.67dB
0.01 % 4.85dB
0.001 % 4.93
0.0001 % 4.95

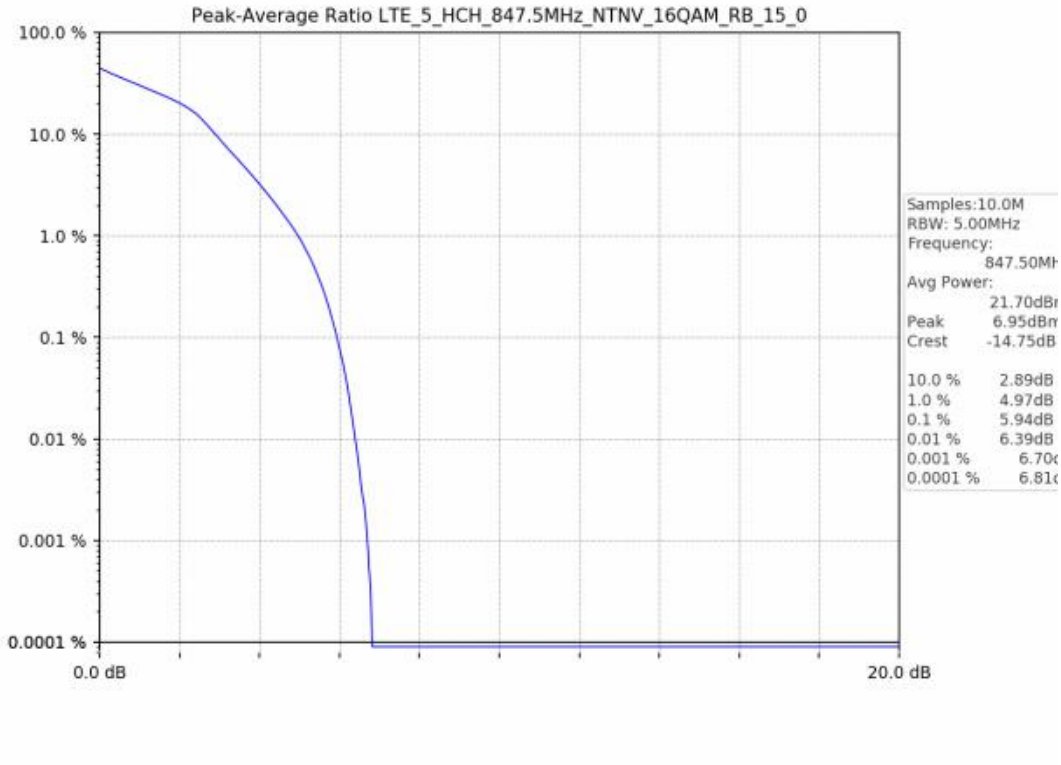

Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_6_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
22.17dBr
Peak 5.45dBr
Crest -16.72dB
10.0 % 2.60dB
1.0 % 4.35dB
0.1 % 4.93dB
0.01 % 5.21dB
0.001 % 5.43
0.0001 % 5.45

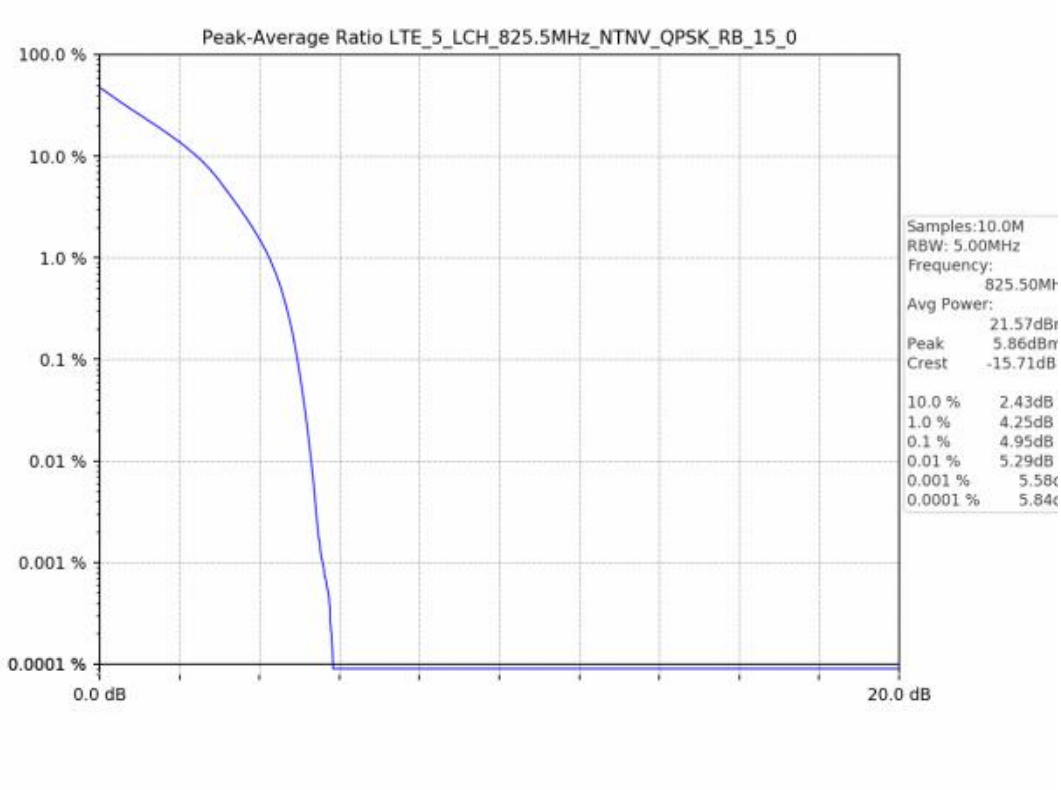

Peak-Average Ratio LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_6_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
848.30MH
Avg Power:
22.81dBr
Peak 5.27dBr
Crest -17.54dB
10.0 % 2.60dB
1.0 % 4.26dB
0.1 % 4.76dB
0.01 % 5.03dB
0.001 % 5.23
0.0001 % 5.27

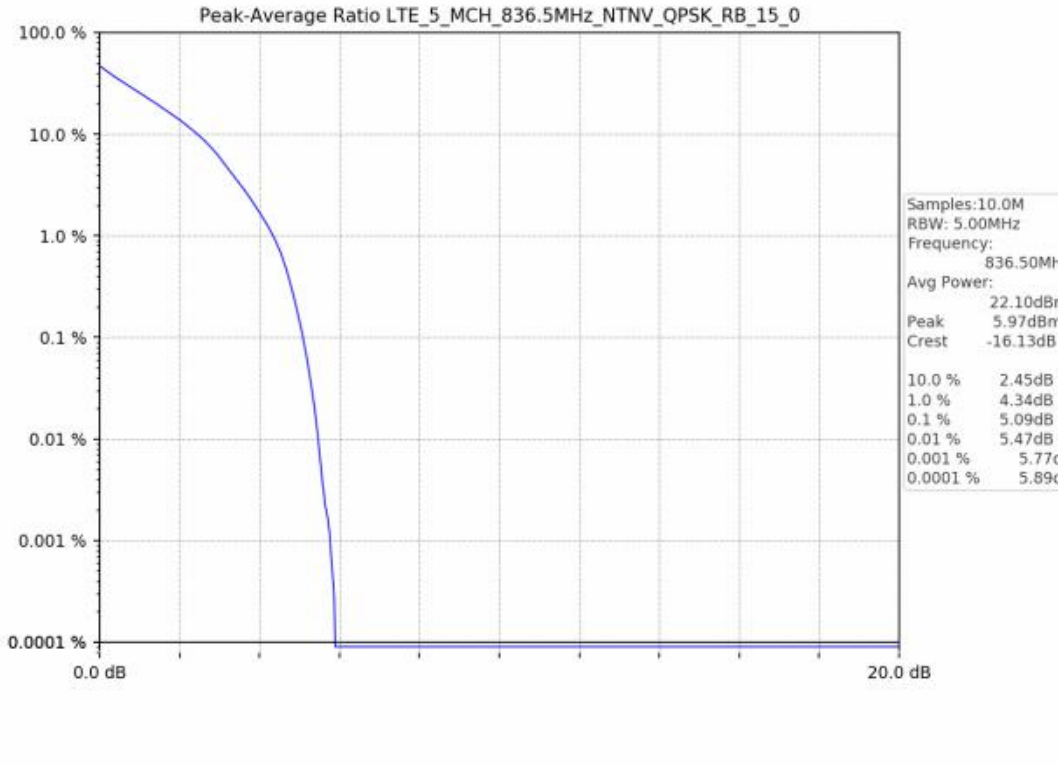
Test Band: 5 _ 3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	4.95	5.09	5.04	13	PASS
16QAM	15	0	5.75	5.97	5.94	13	PASS

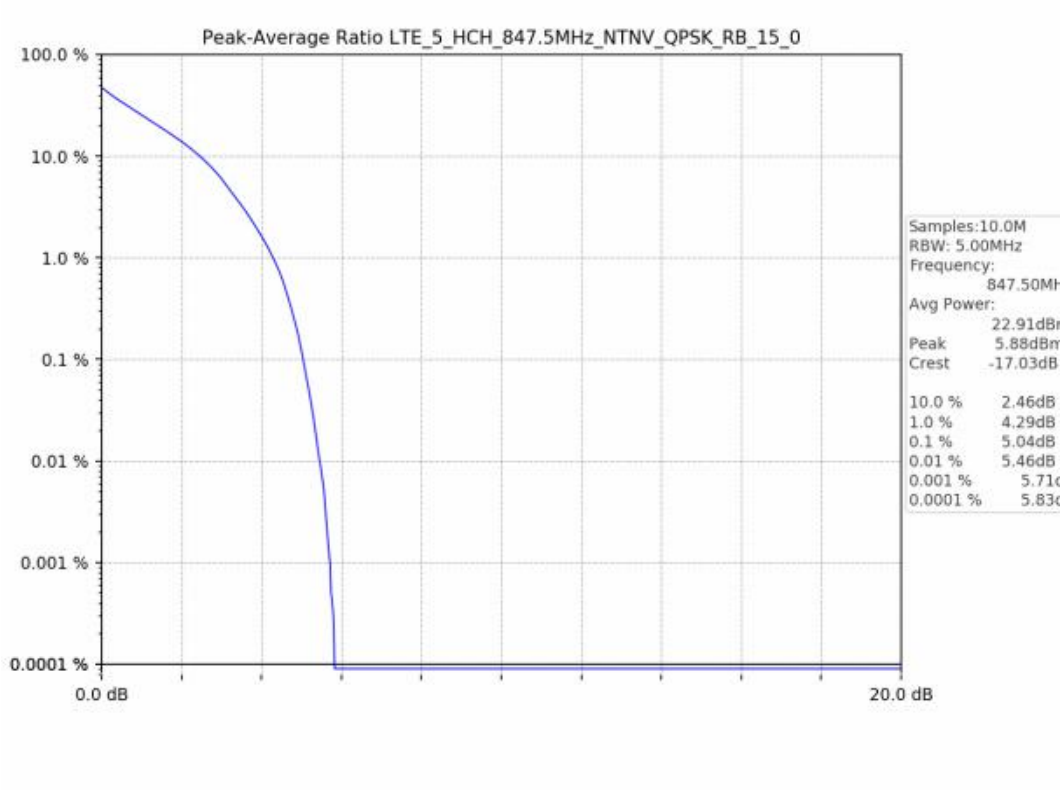



Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_15_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
20.99dBr
Peak 6.96dBr
Crest -14.03dB
10.0 % 2.93dB
1.0 % 5.02dB
0.1 % 5.97dB
0.01 % 6.44dB
0.001 % 6.74
0.0001 % 6.92

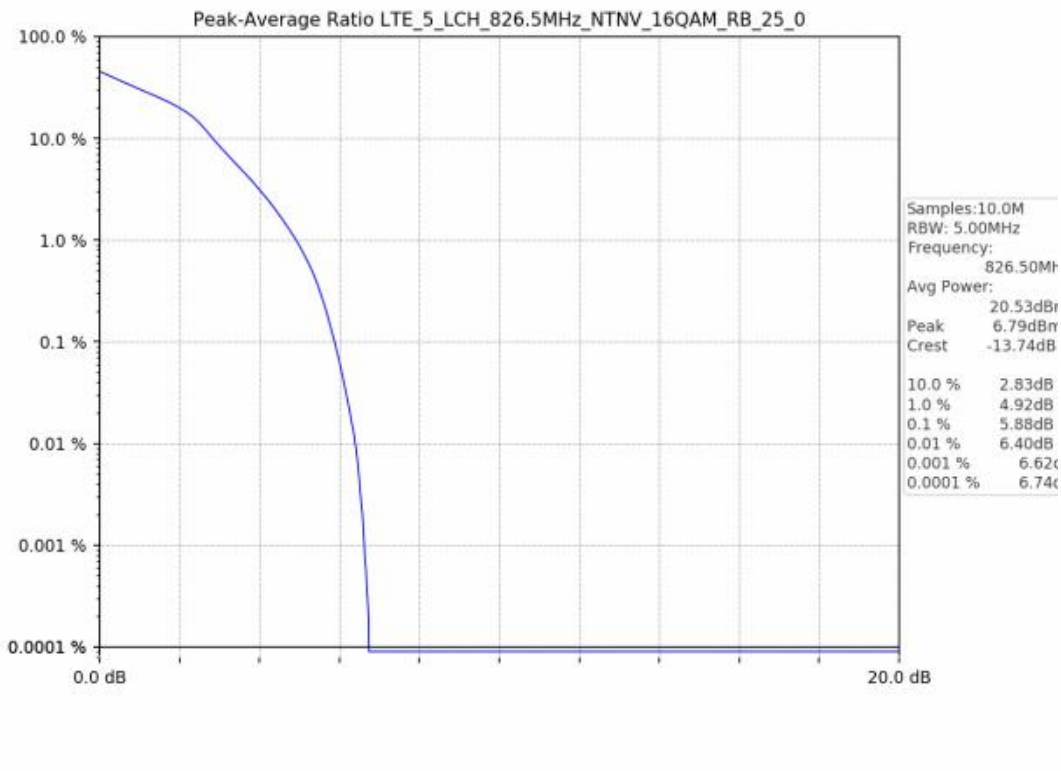

Peak-Average Ratio LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_15_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
847.50MH
Avg Power:
21.70dBr
Peak 6.95dBr
Crest -14.75dB
10.0 % 2.89dB
1.0 % 4.97dB
0.1 % 5.94dB
0.01 % 6.39dB
0.001 % 6.70
0.0001 % 6.81

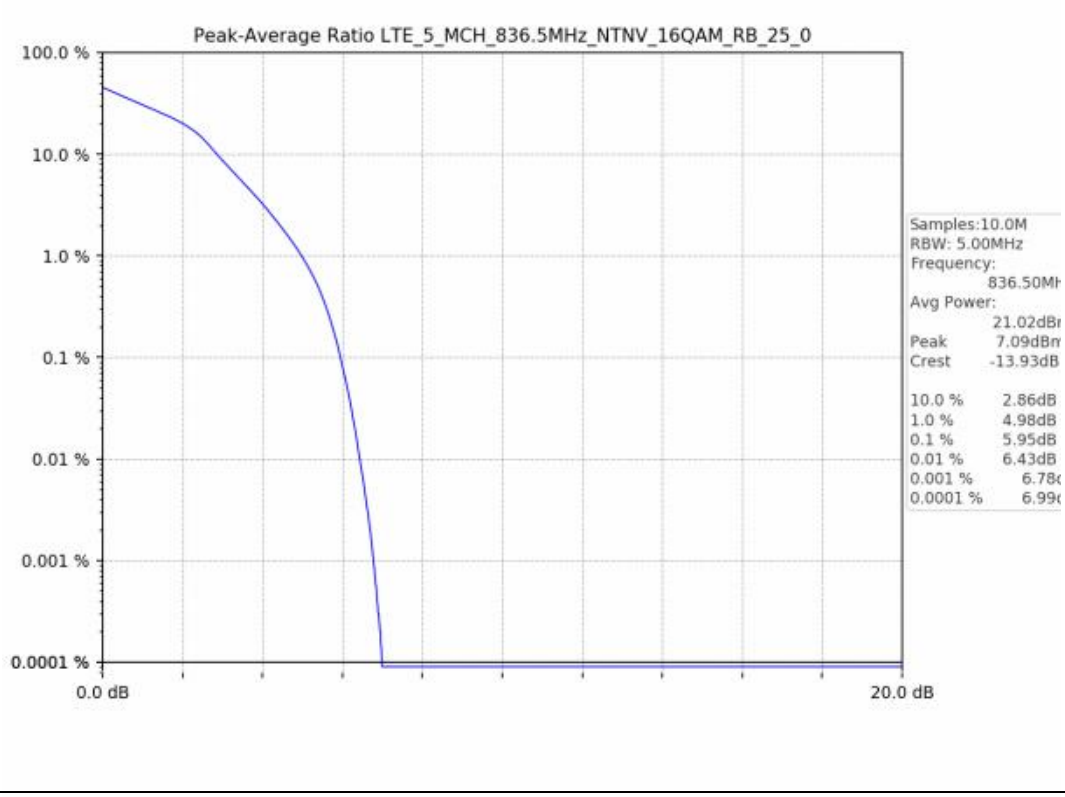

Peak-Average Ratio LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_15_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
825.50MH
Avg Power:
21.57dBr
Peak 5.86dBr
Crest -15.71dB
10.0 % 2.43dB
1.0 % 4.25dB
0.1 % 4.95dB
0.01 % 5.29dB
0.001 % 5.58
0.0001 % 5.84

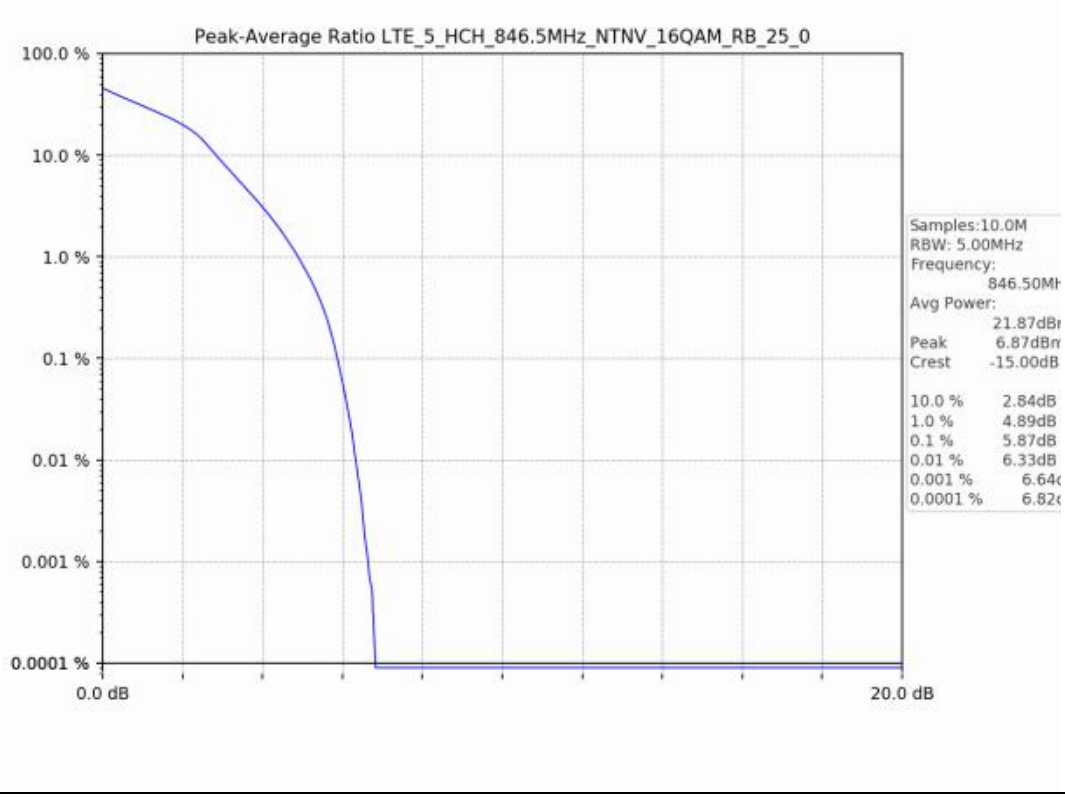

Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_15_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
22.10dBr
Peak 5.97dBr
Crest -16.13dB
10.0 % 2.45dB
1.0 % 4.34dB
0.1 % 5.09dB
0.01 % 5.47dB
0.001 % 5.77
0.0001 % 5.89


Peak-Average Ratio LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_15_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:
847.50MH
Avg Power:
22.91dBr
Peak 5.88dBm
Crest -17.03dB
10.0 % 2.46dB
1.0 % 4.29dB
0.1 % 5.04dB
0.01 % 5.46dB
0.001 % 5.71
0.0001 % 5.83

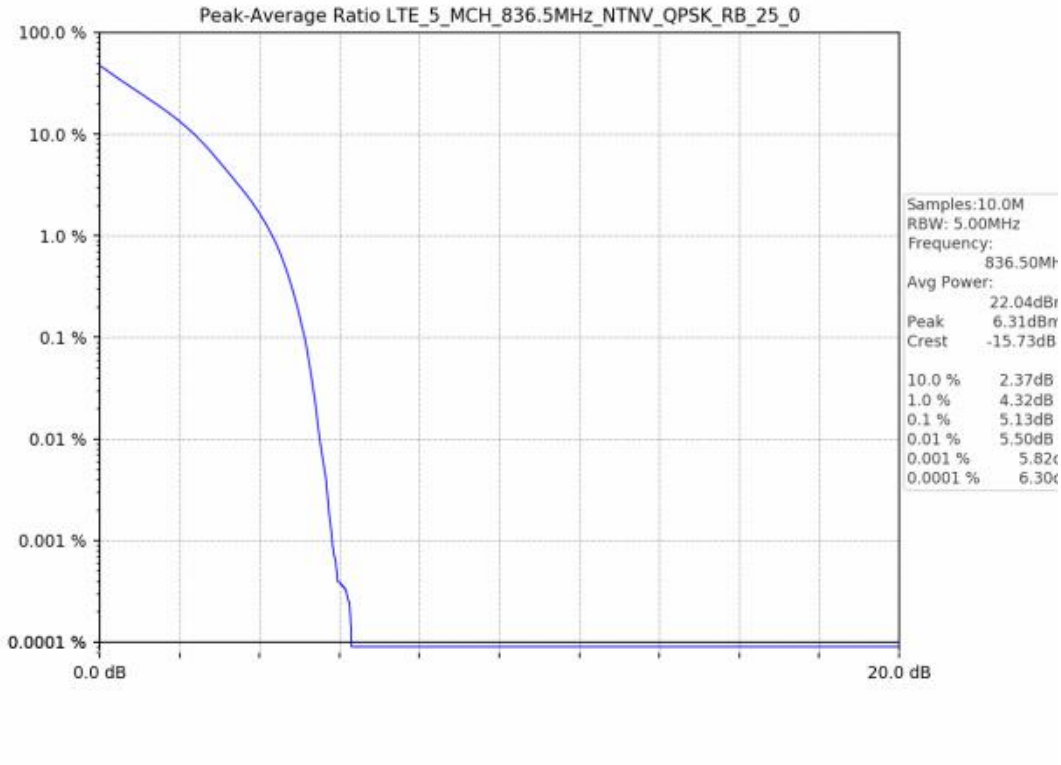
Test Band: 5 _ 5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.10	5.13	6.04	13	PASS
16QAM	25	0	5.88	5.95	5.87	13	PASS

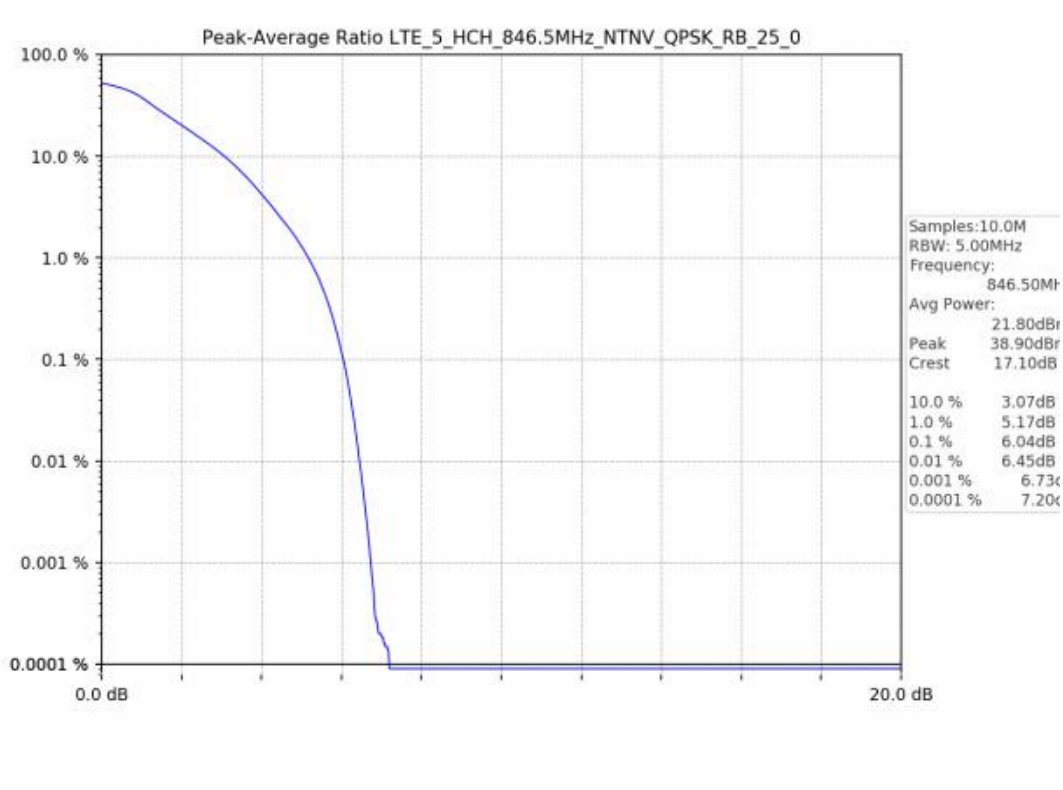



Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
21.02dBr
Peak 7.09dBr
Crest -13.93dB
10.0 % 2.86dB
1.0 % 4.98dB
0.1 % 5.95dB
0.01 % 6.43dB
0.001 % 6.78
0.0001 % 6.99

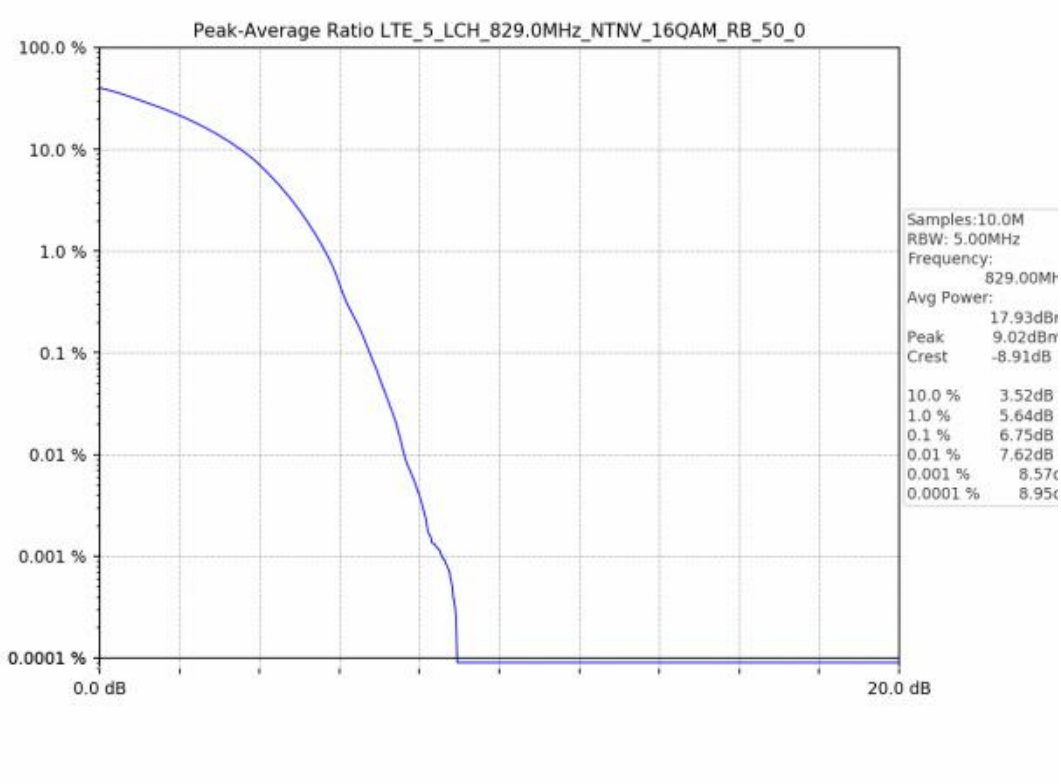

Peak-Average Ratio LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
846.50MH
Avg Power:
21.87dBr
Peak 6.87dBr
Crest -15.00dB
10.0 % 2.84dB
1.0 % 4.89dB
0.1 % 5.87dB
0.01 % 6.33dB
0.001 % 6.64
0.0001 % 6.82

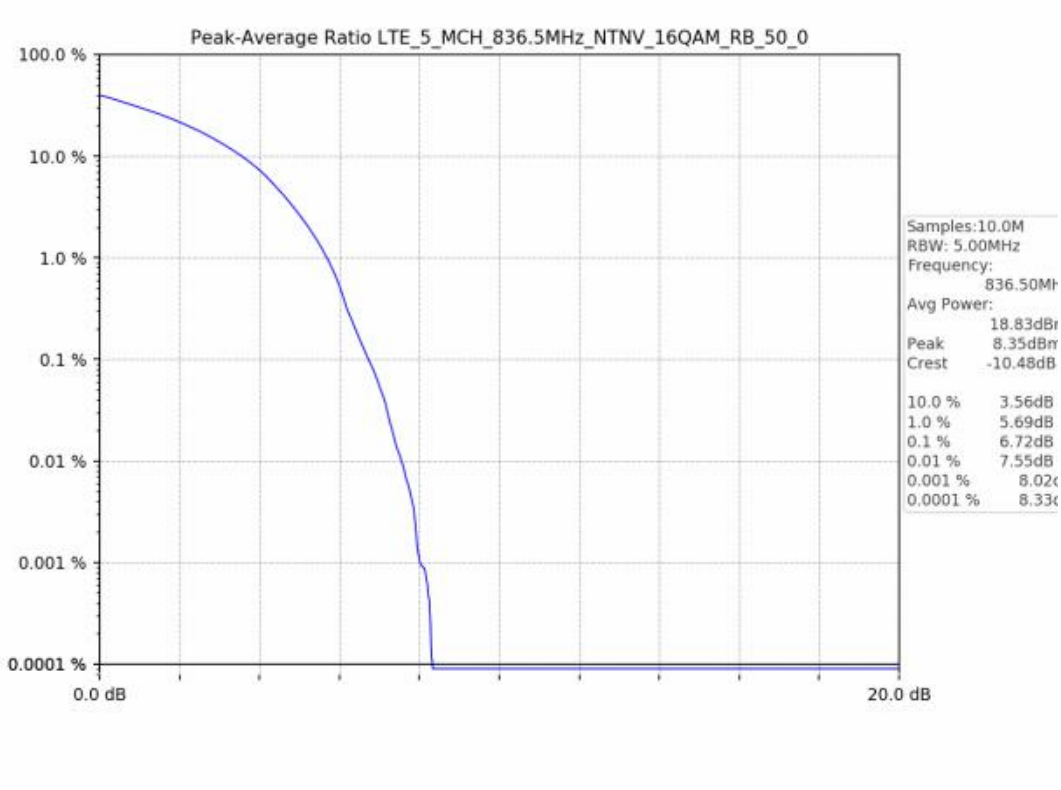

Peak-Average Ratio LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
826.50MH
Avg Power:
21.63dBr
Peak 5.91dBr
Crest -15.72dB
10.0 % 2.37dB
1.0 % 4.30dB
0.1 % 5.10dB
0.01 % 5.51dB
0.001 % 5.74
0.0001 % 5.90

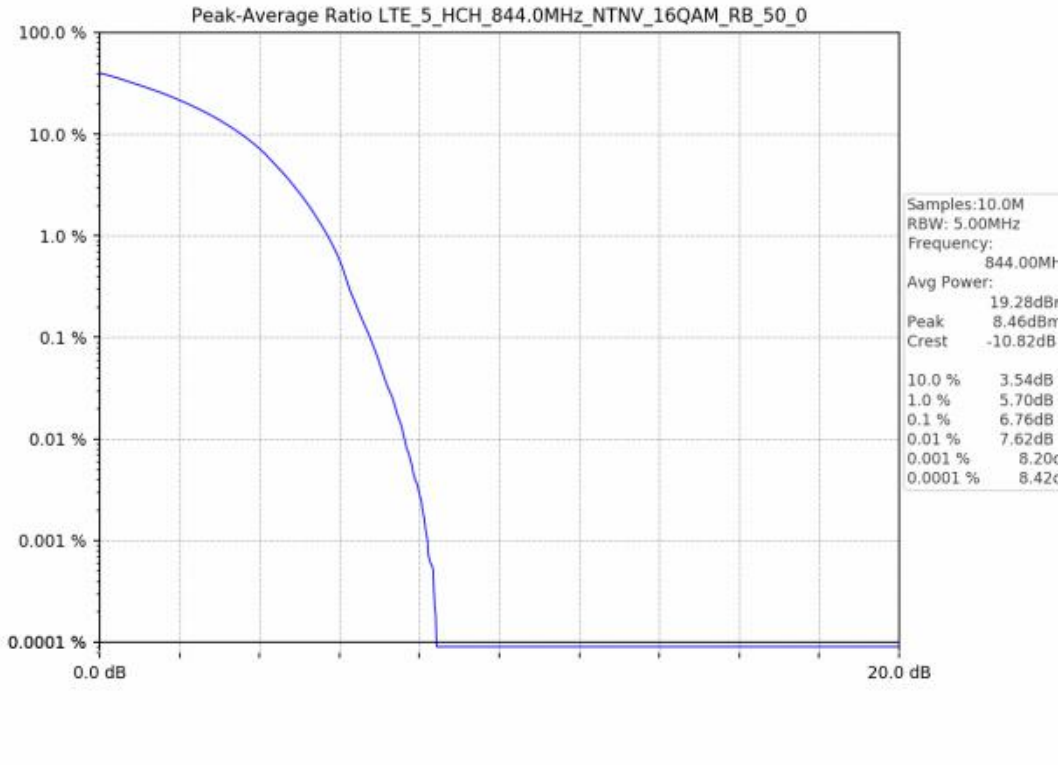

Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
22.04dBr
Peak 6.31dBr
Crest -15.73dB
10.0 % 2.37dB
1.0 % 4.32dB
0.1 % 5.13dB
0.01 % 5.50dB
0.001 % 5.82
0.0001 % 6.30

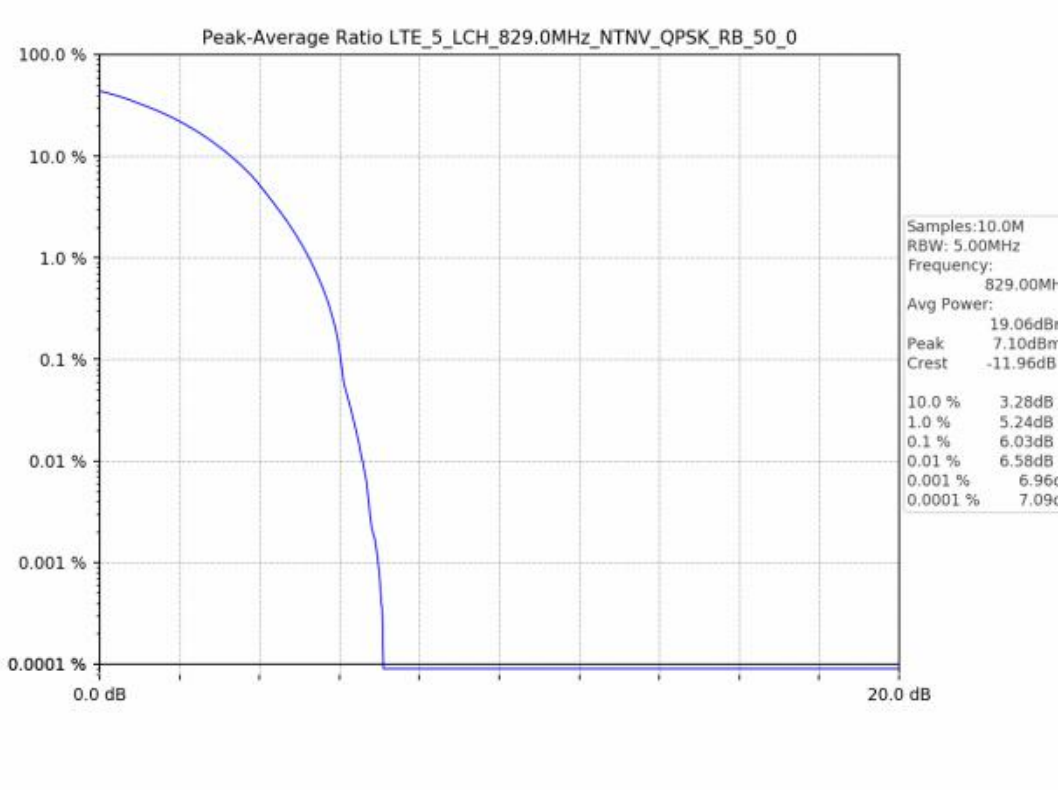

Peak-Average Ratio LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_25_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
846.50MH
Avg Power:
21.80dBr
Peak 38.90dBr
Crest 17.10dB
10.0 % 3.07dB
1.0 % 5.17dB
0.1 % 6.04dB
0.01 % 6.45dB
0.001 % 6.73
0.0001 % 7.20

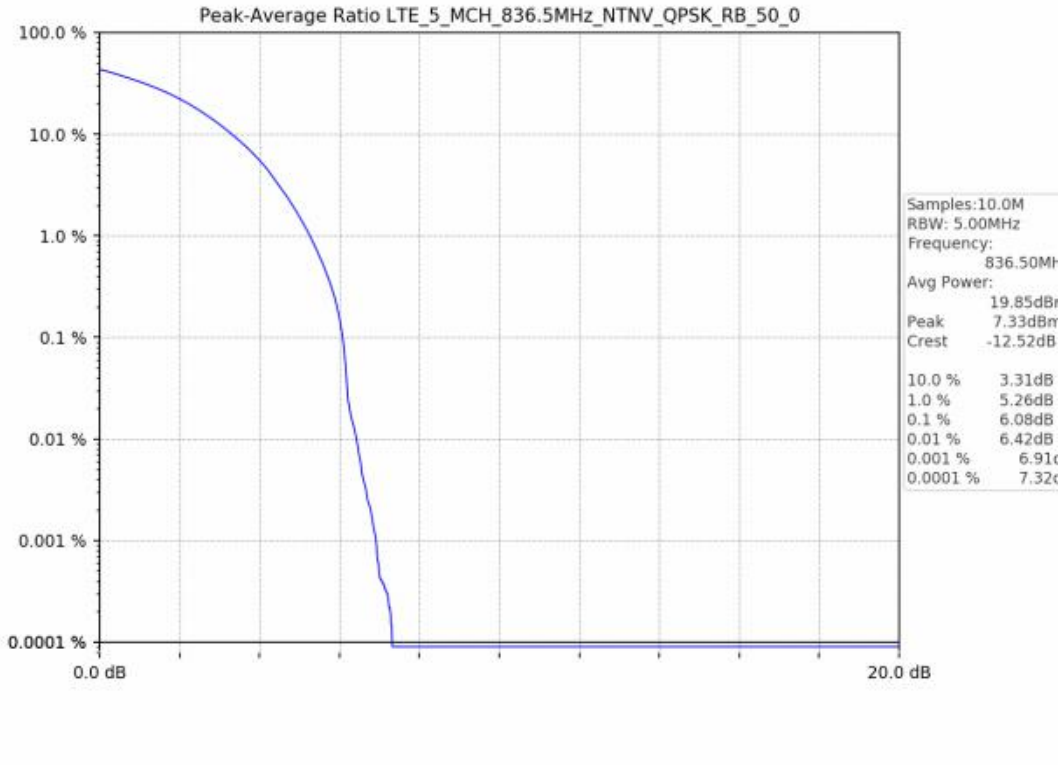
Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	6.03	6.08	6.12	13	PASS
16QAM	50	0	6.75	6.72	6.76	13	PASS

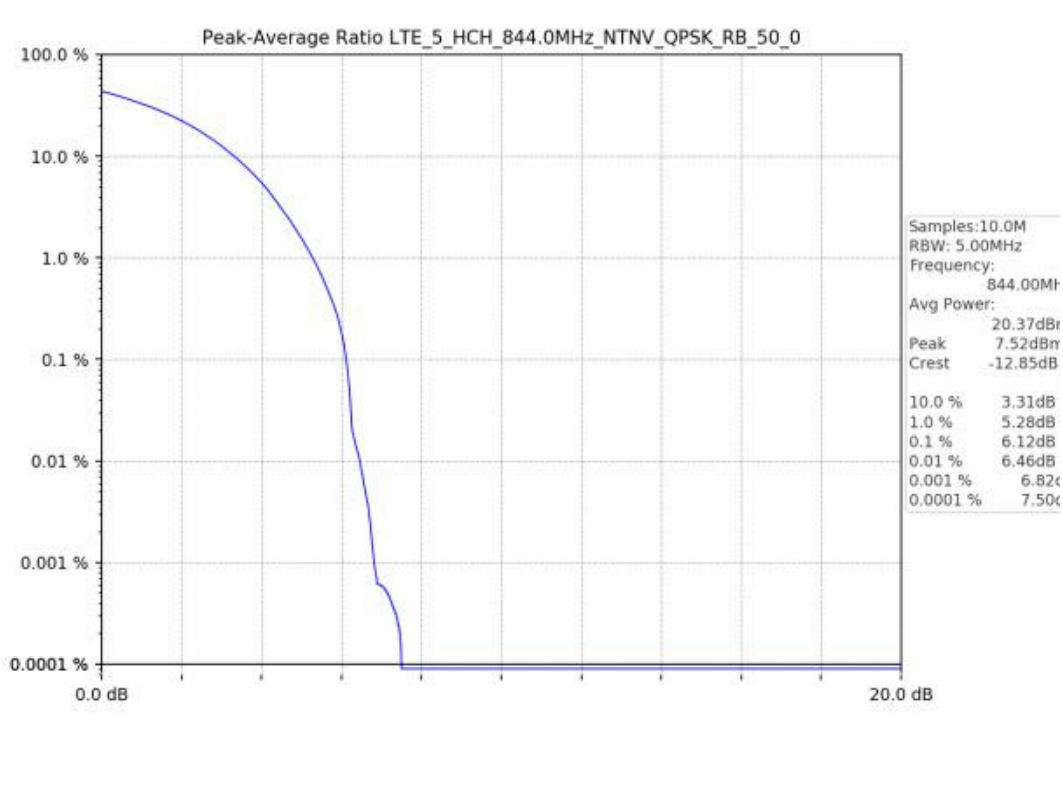



Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
18.83dBr
Peak 8.35dBr
Crest -10.48dB
10.0 % 3.56dB
1.0 % 5.69dB
0.1 % 6.72dB
0.01 % 7.55dB
0.001 % 8.02
0.0001 % 8.33


Peak-Average Ratio LTE_5_HCH_844.0MHz_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:
844.00MH
Avg Power:
19.28dBr
Peak 8.46dBr
Crest -10.82dB
10.0 % 3.54dB
1.0 % 5.70dB
0.1 % 6.76dB
0.01 % 7.62dB
0.001 % 8.20
0.0001 % 8.42

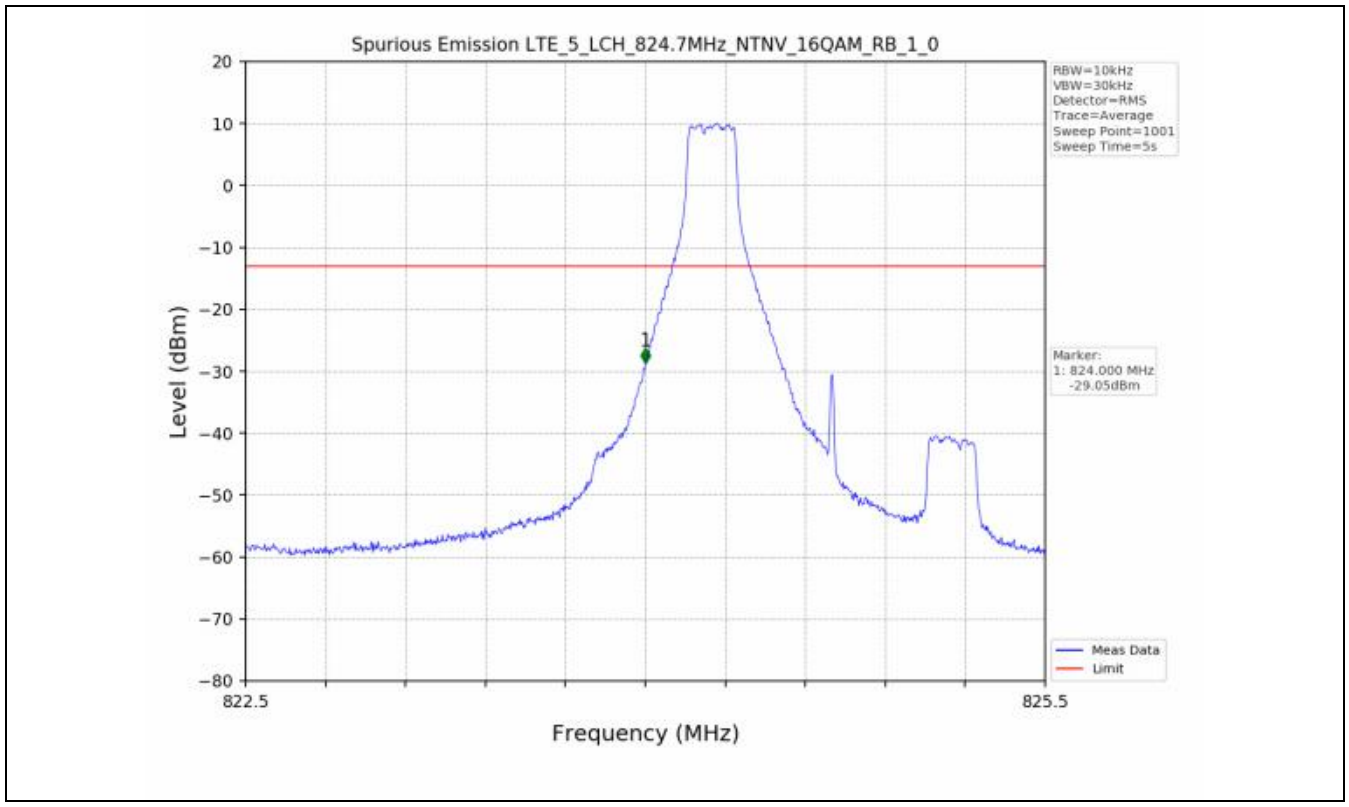

Peak-Average Ratio LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
829.00MH
Avg Power:
19.06dBr
Peak 7.10dBm
Crest -11.96dB
10.0 % 3.28dB
1.0 % 5.24dB
0.1 % 6.03dB
0.01 % 6.58dB
0.001 % 6.96
0.0001 % 7.09

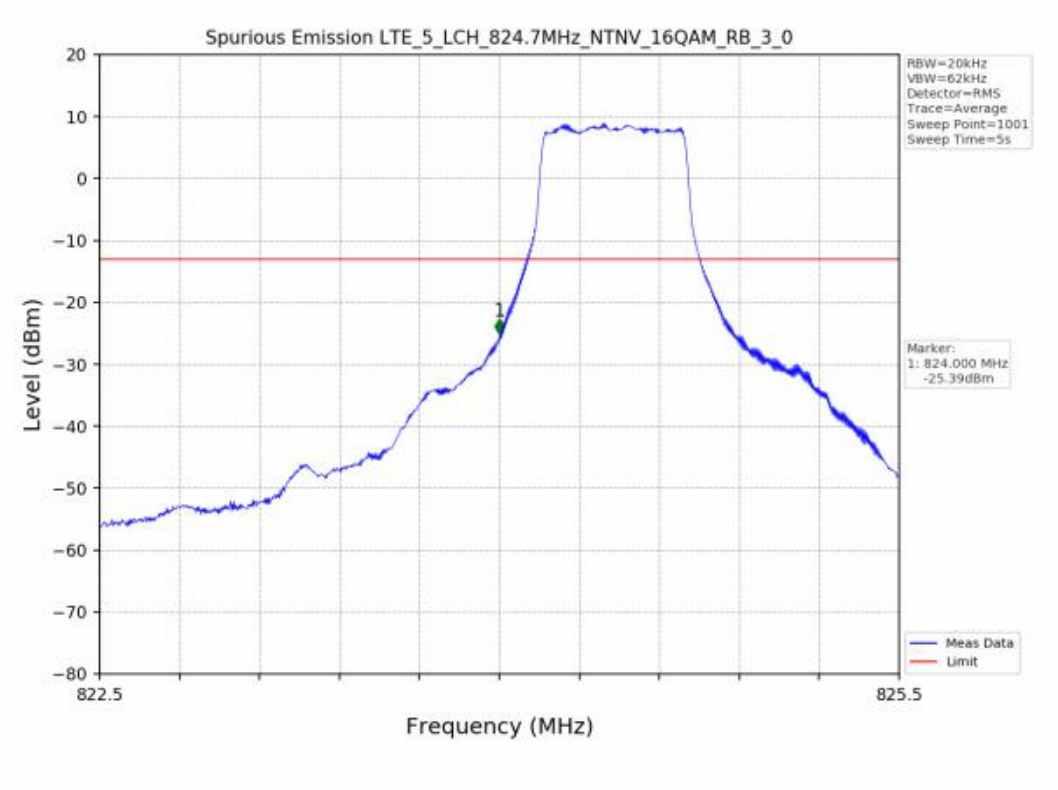

Peak-Average Ratio LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
836.50MH
Avg Power:
19.85dBr
Peak 7.33dBm
Crest -12.52dB
10.0 % 3.31dB
1.0 % 5.26dB
0.1 % 6.08dB
0.01 % 6.42dB
0.001 % 6.91
0.0001 % 7.32

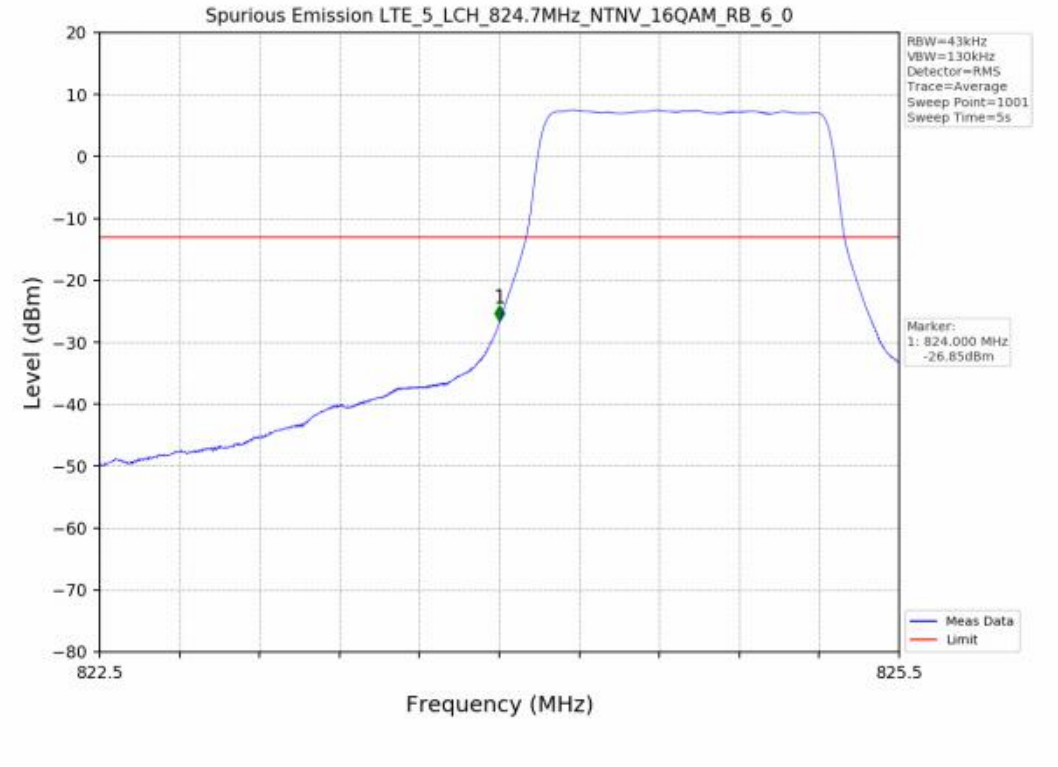

Peak-Average Ratio LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_50_0
100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples:10.0M
RBW: 5.00MHz
Frequency:
844.00MH
Avg Power:
20.37dBr
Peak 7.52dBr
Crest -12.85dB
10.0 % 3.31dB
1.0 % 5.28dB
0.1 % 6.12dB
0.01 % 6.46dB
0.001 % 6.82
0.0001 % 7.50

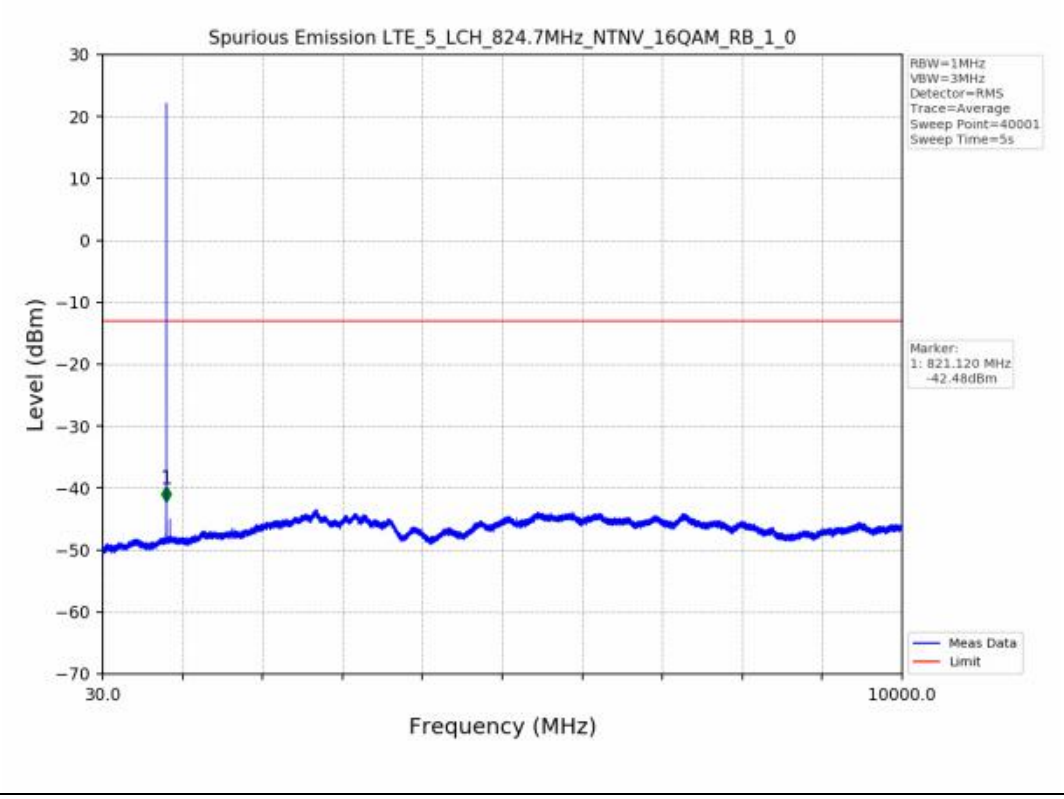
F5. Spurious Emission

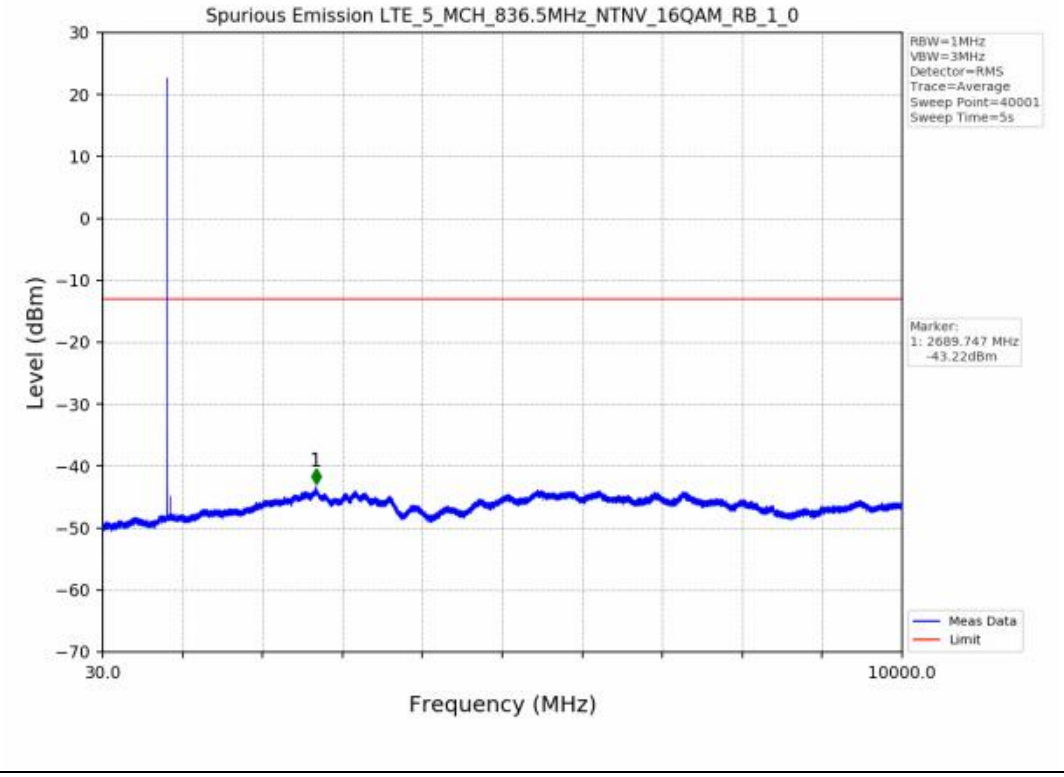
F5.1 Test Graph

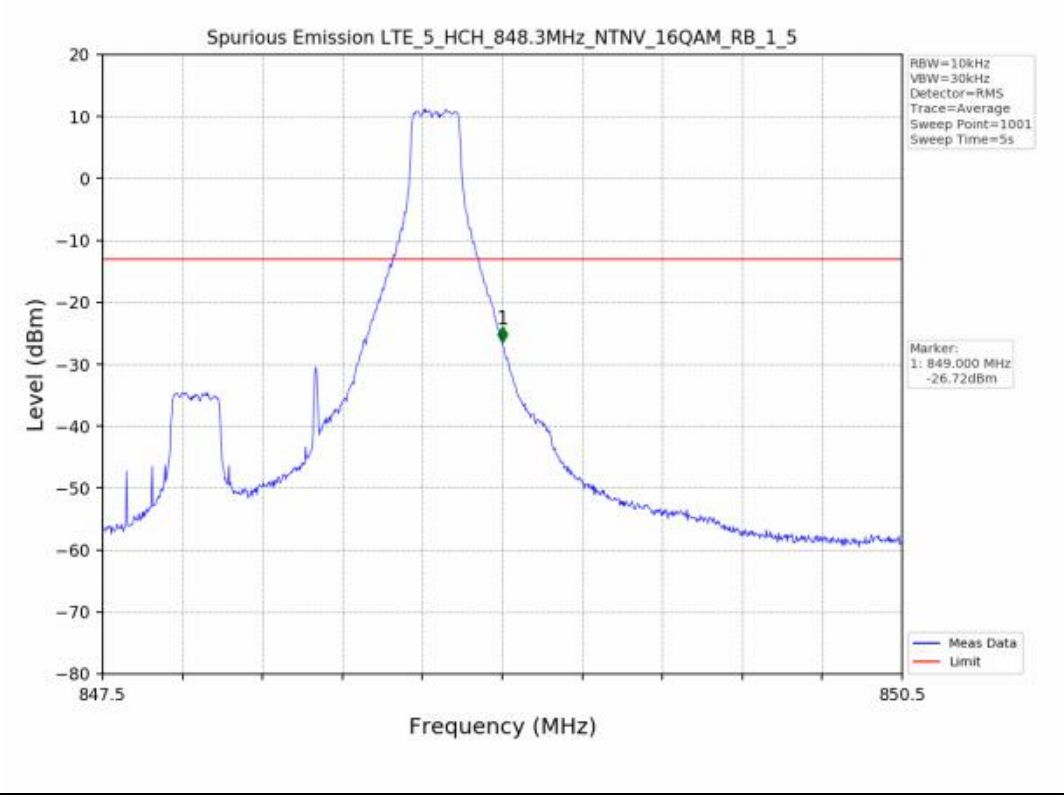


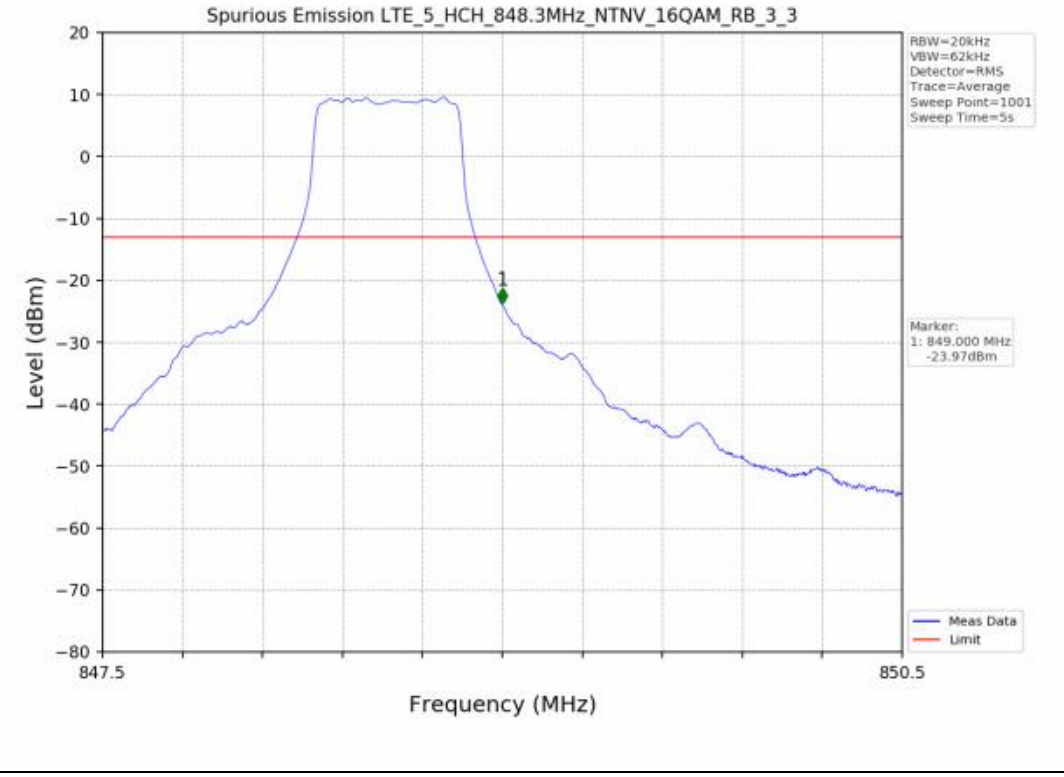

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_16QAM_RB_3_0
RBW=20kHz
VBW=62kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-25.39dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
822.5
825.5

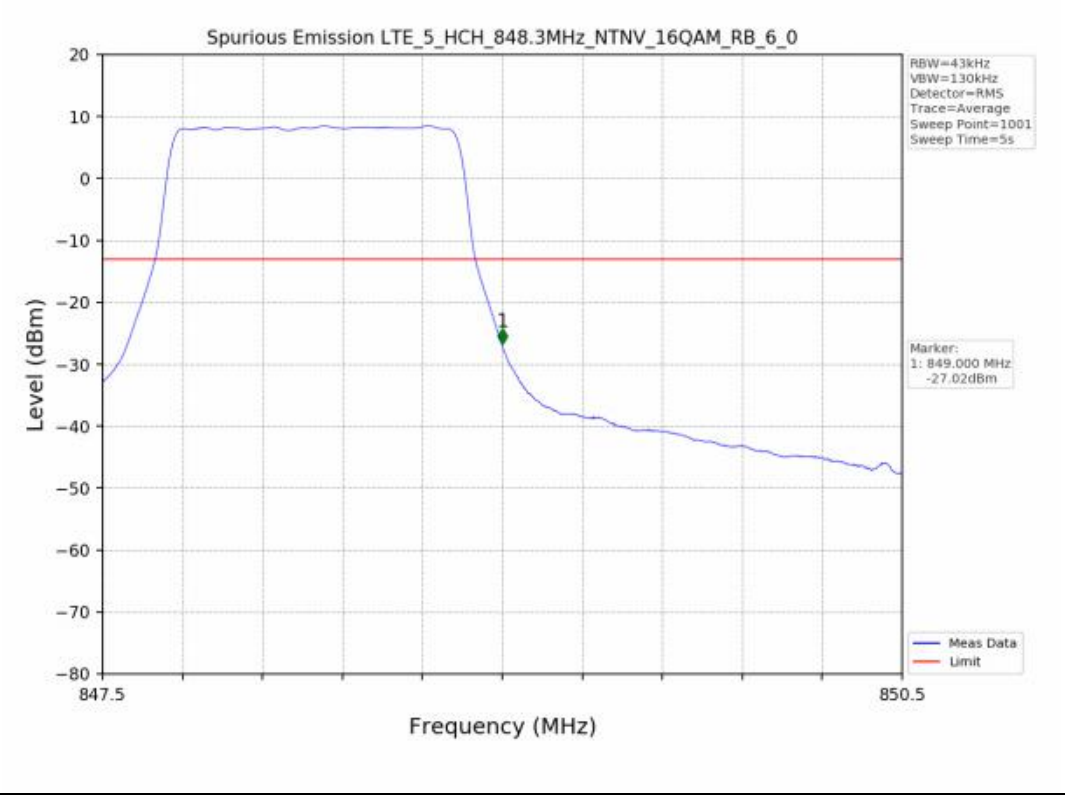

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-26.85dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
822.5
825.5

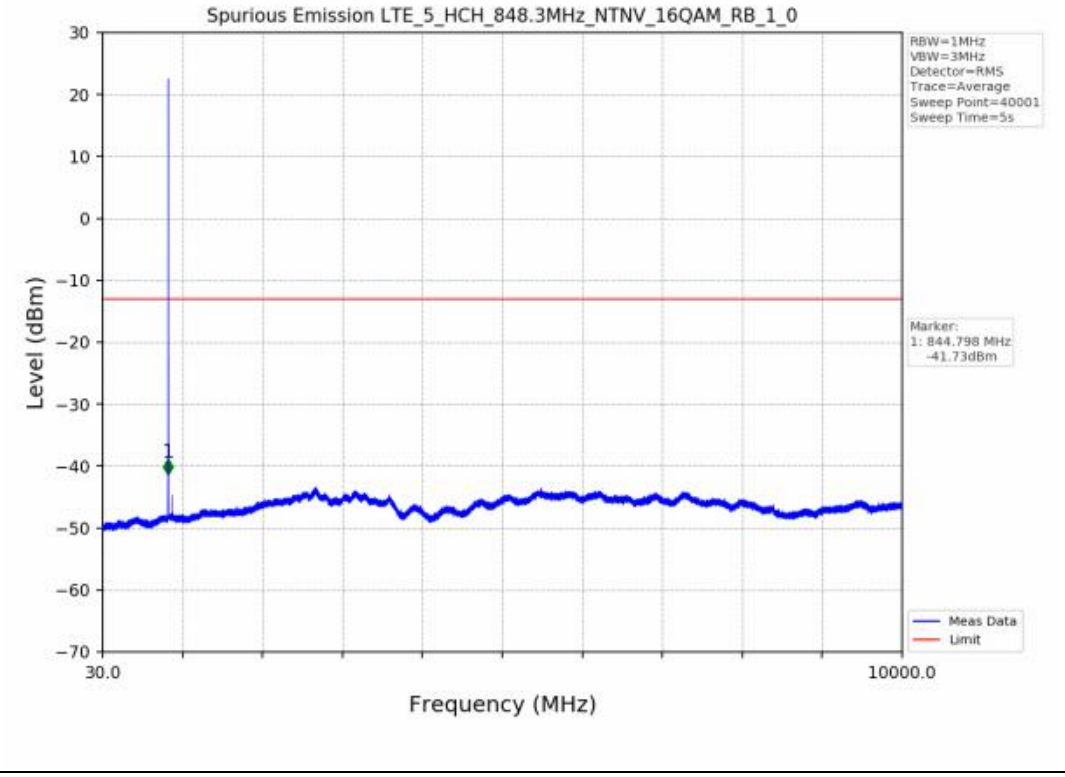

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 821.120 MHz
-42.48dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

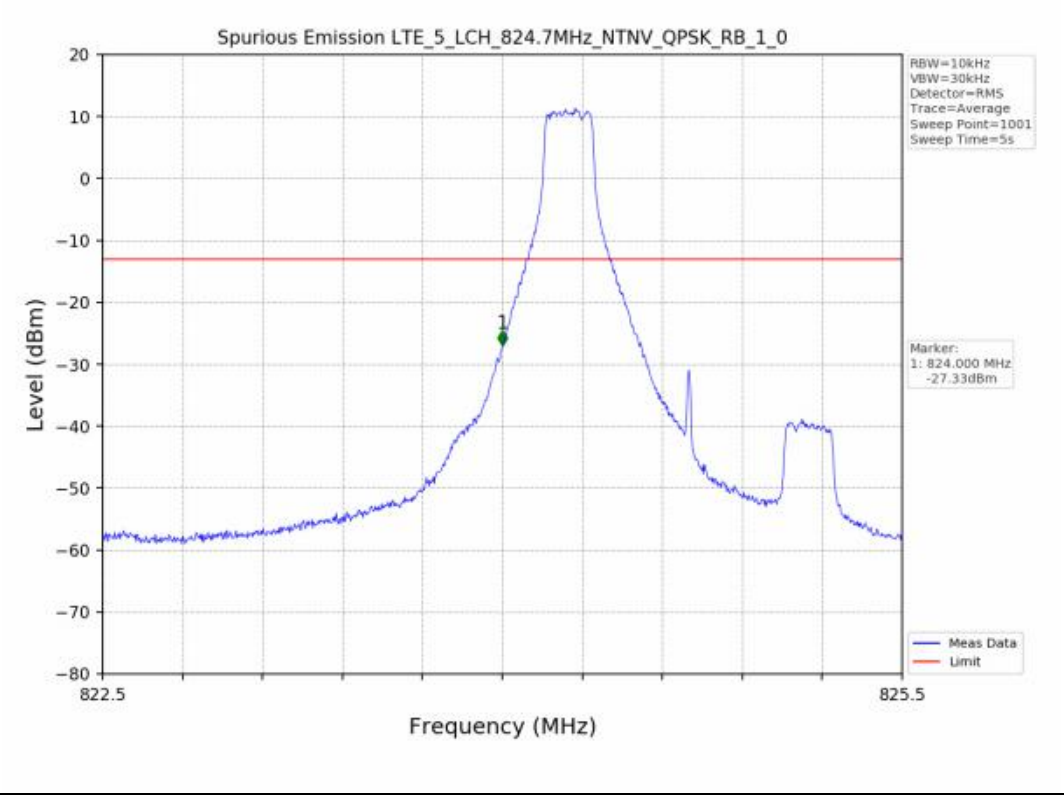

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2689.747 MHz
-43.22dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

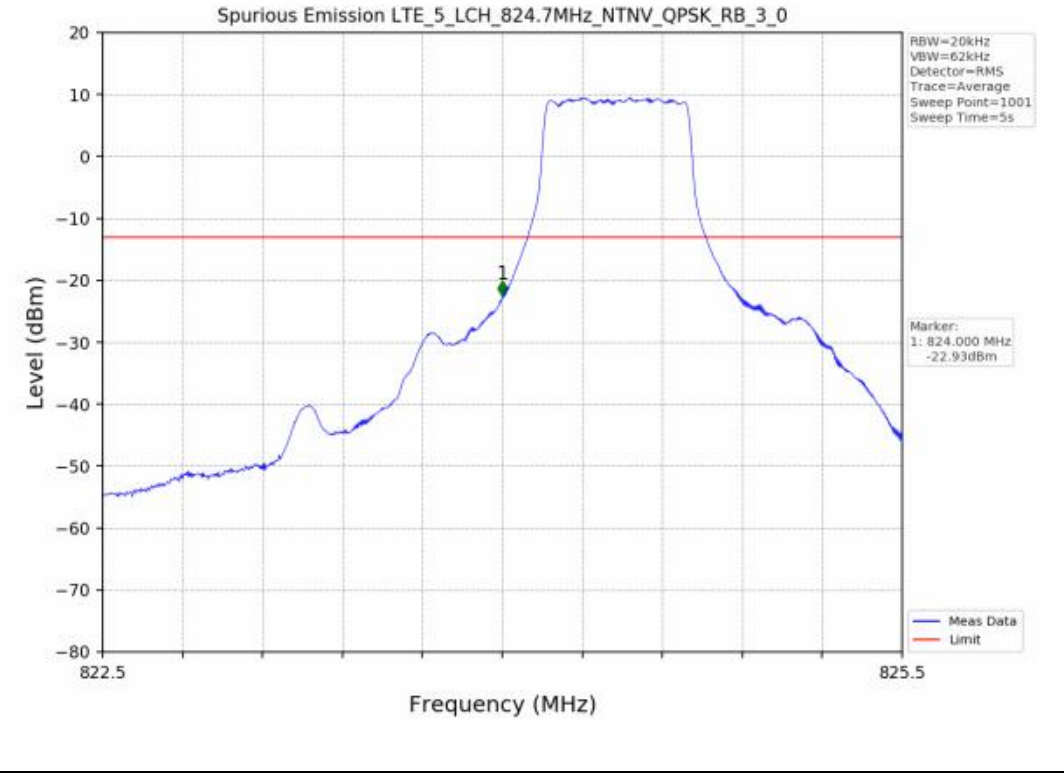

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_1_5
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-26.72dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
847.5
850.5

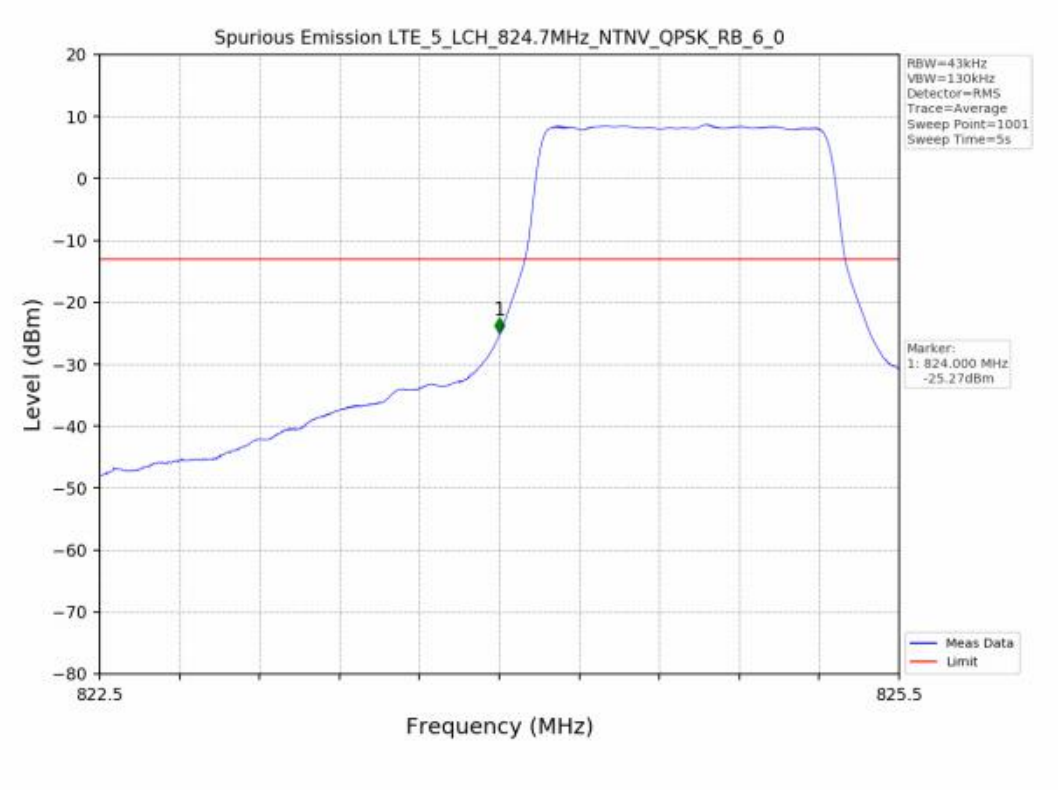

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_3_3
RBW=20kHz
VBW=62kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-23.97dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
847.5
850.5

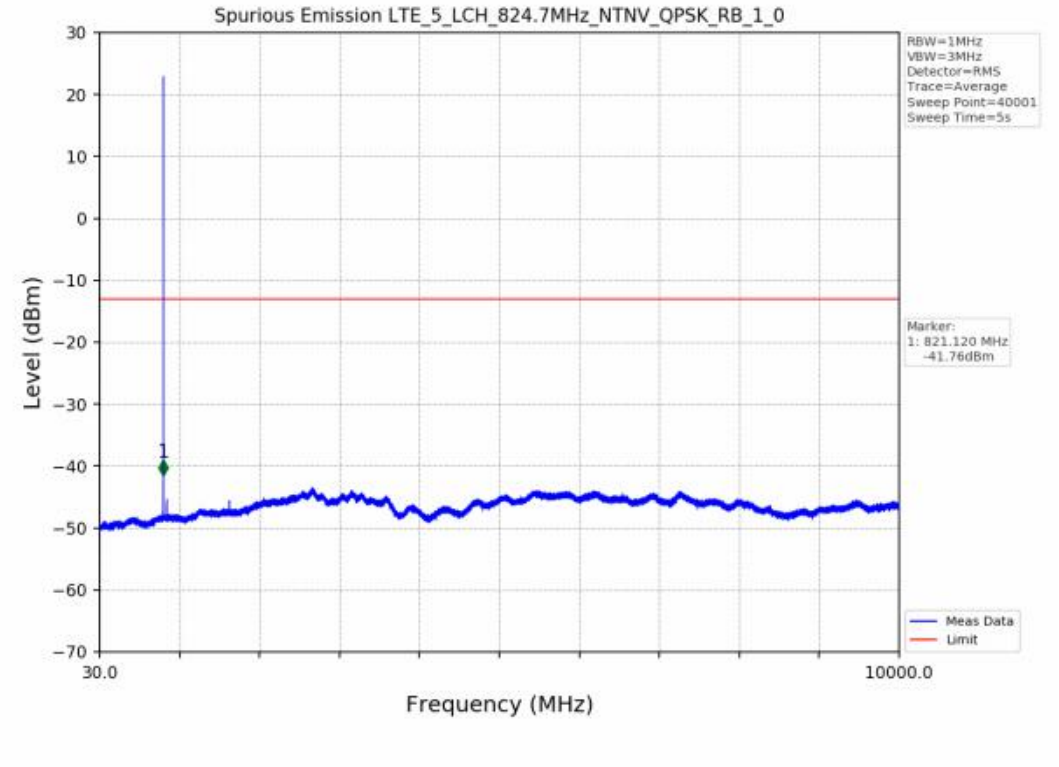

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-27.02dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
847.5
850.5

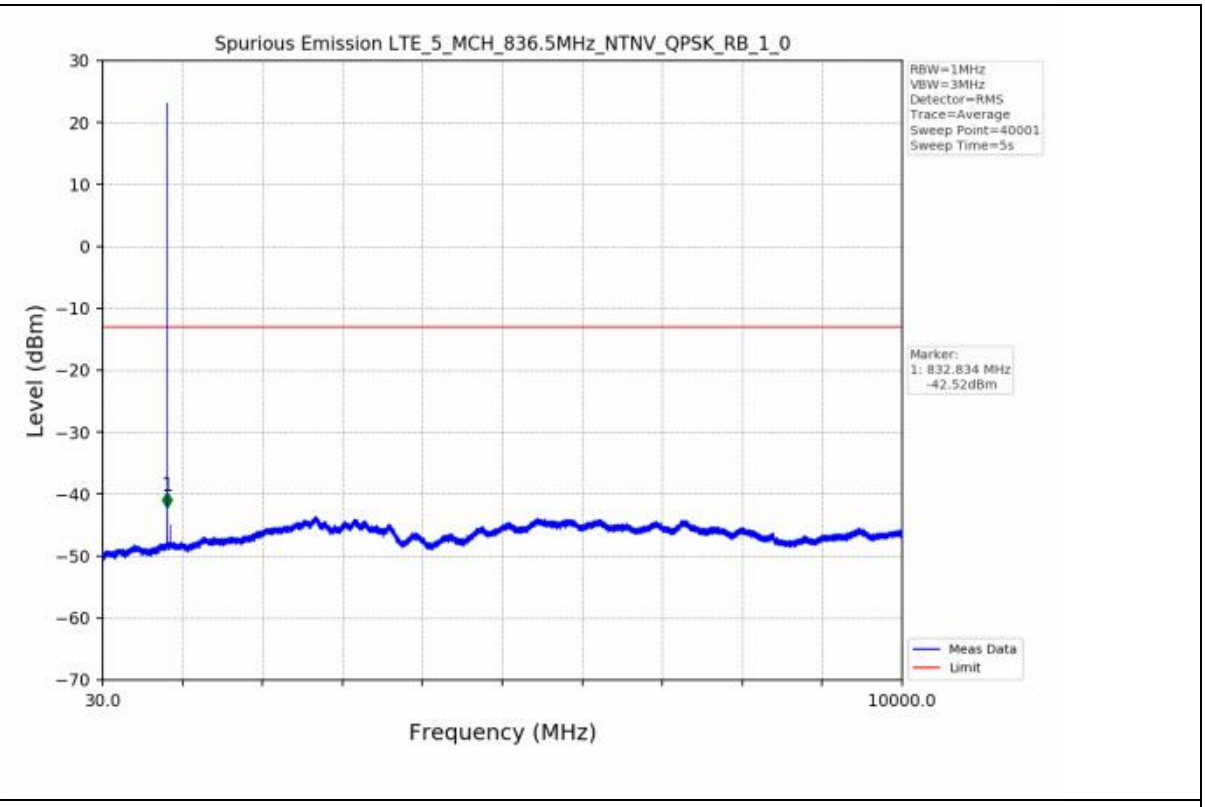

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 844.798 MHz
-41.73dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

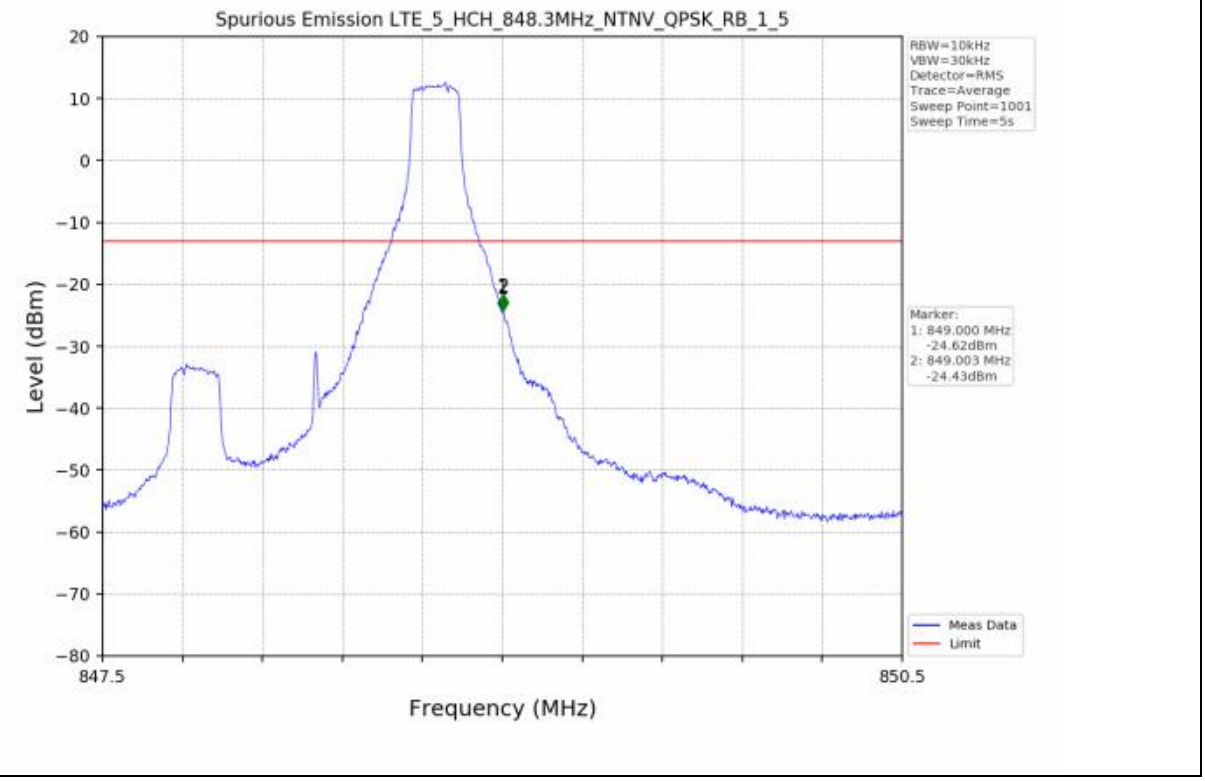

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-27.33dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
822.5
825.5

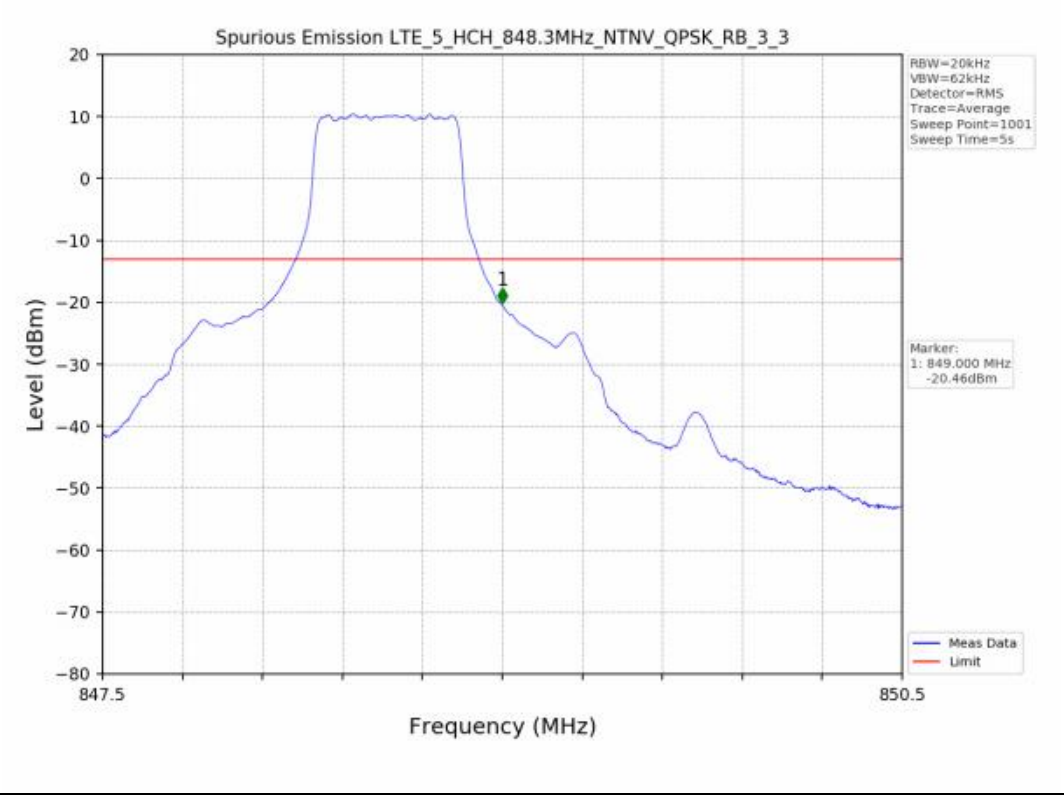

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_3_0
RBW=20kHz
VBW=62kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-22.93dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
822.5
825.5

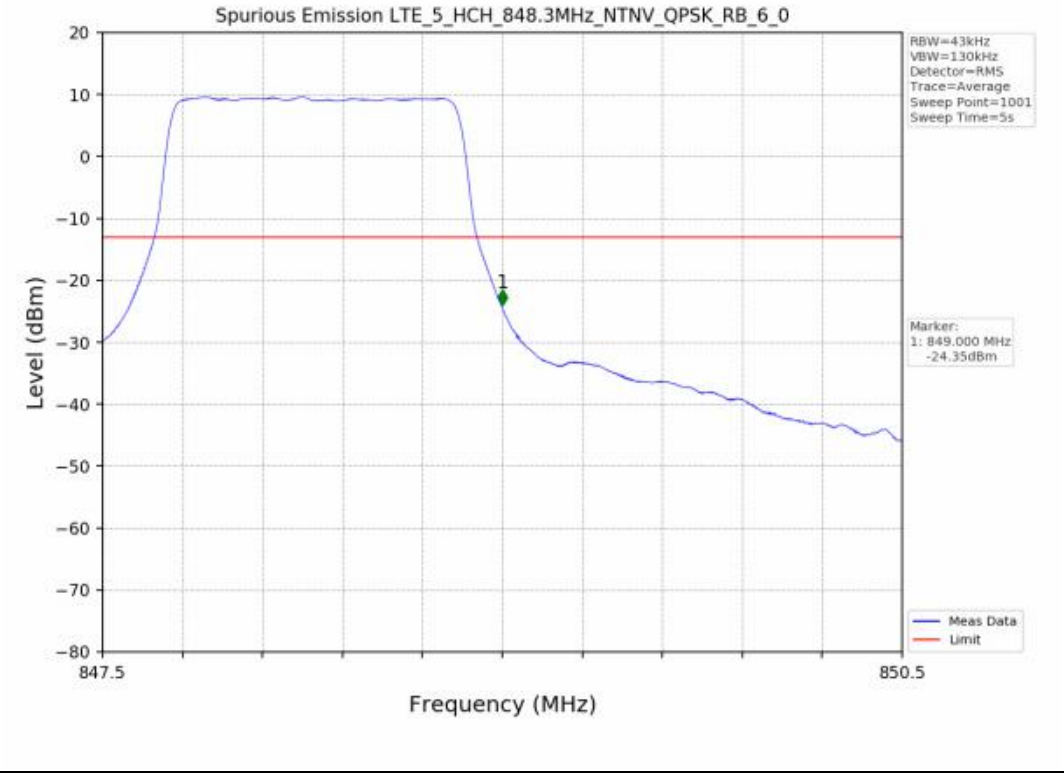

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-25.27dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
822.5
825.5

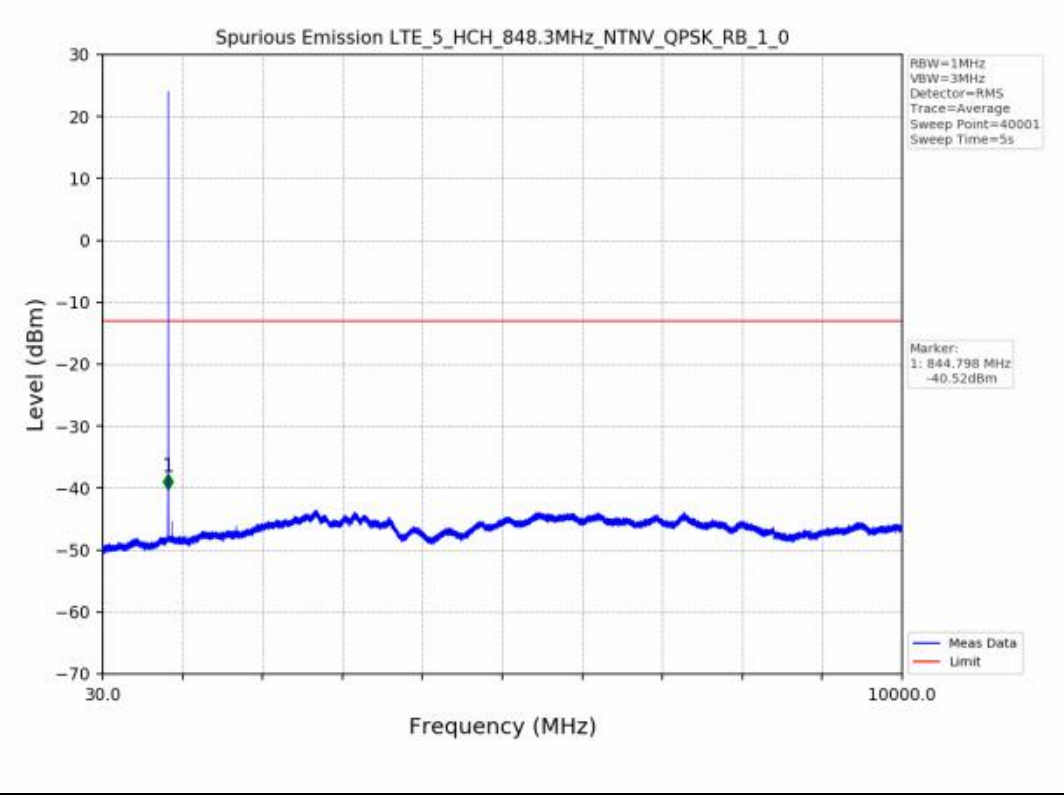

Spurious Emission LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 821.120 MHz
-41.76dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

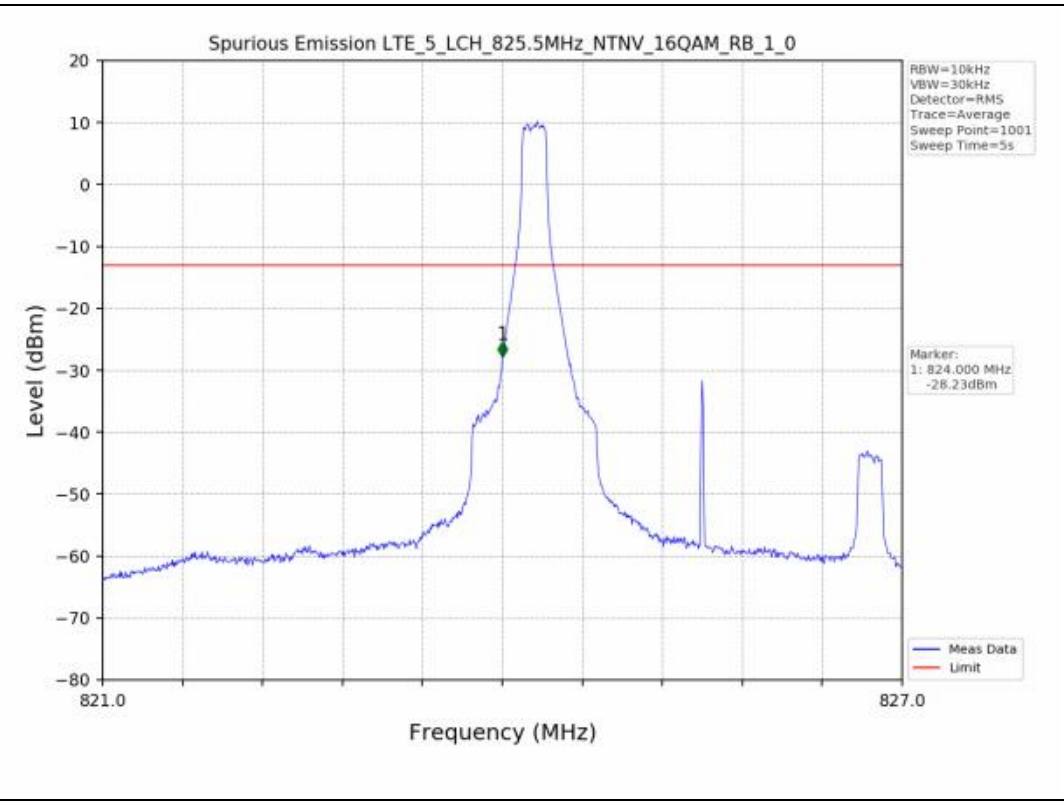

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 832.834 MHz
-42.52dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

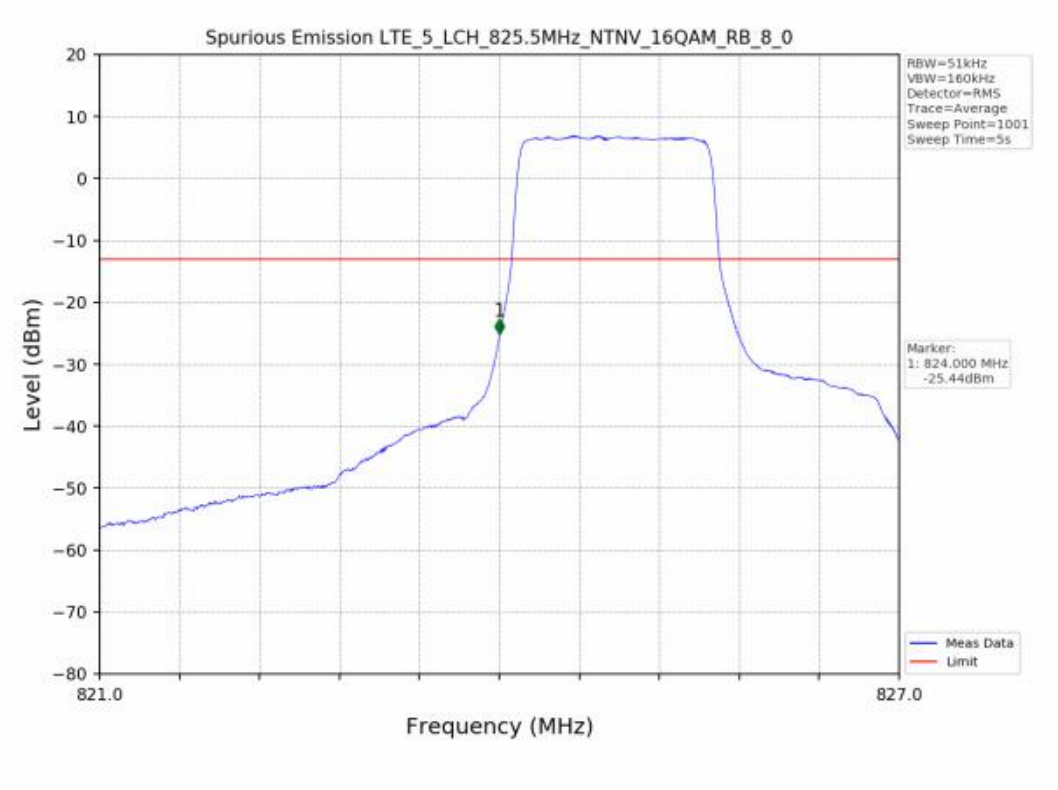

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_1_5
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-24.62dBm
2: 849.003 MHz
-24.43dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
847.5
850.5

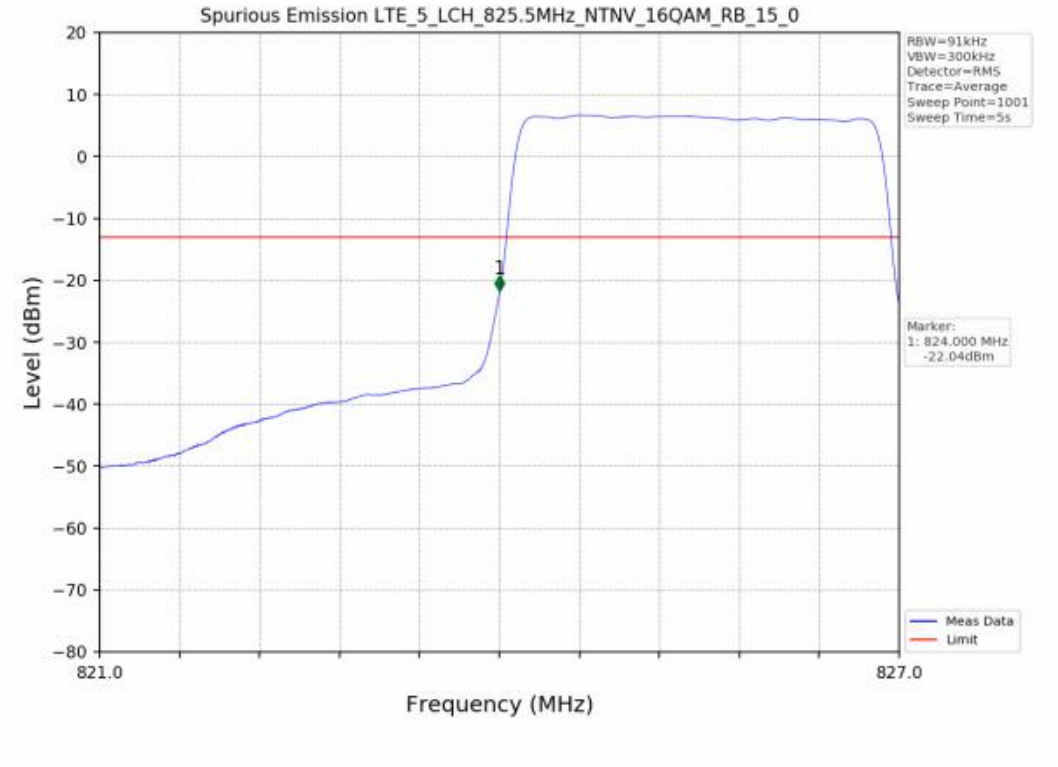

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_3_3
RBW=20kHz
VBW=62kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-20.46dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
847.5
850.5

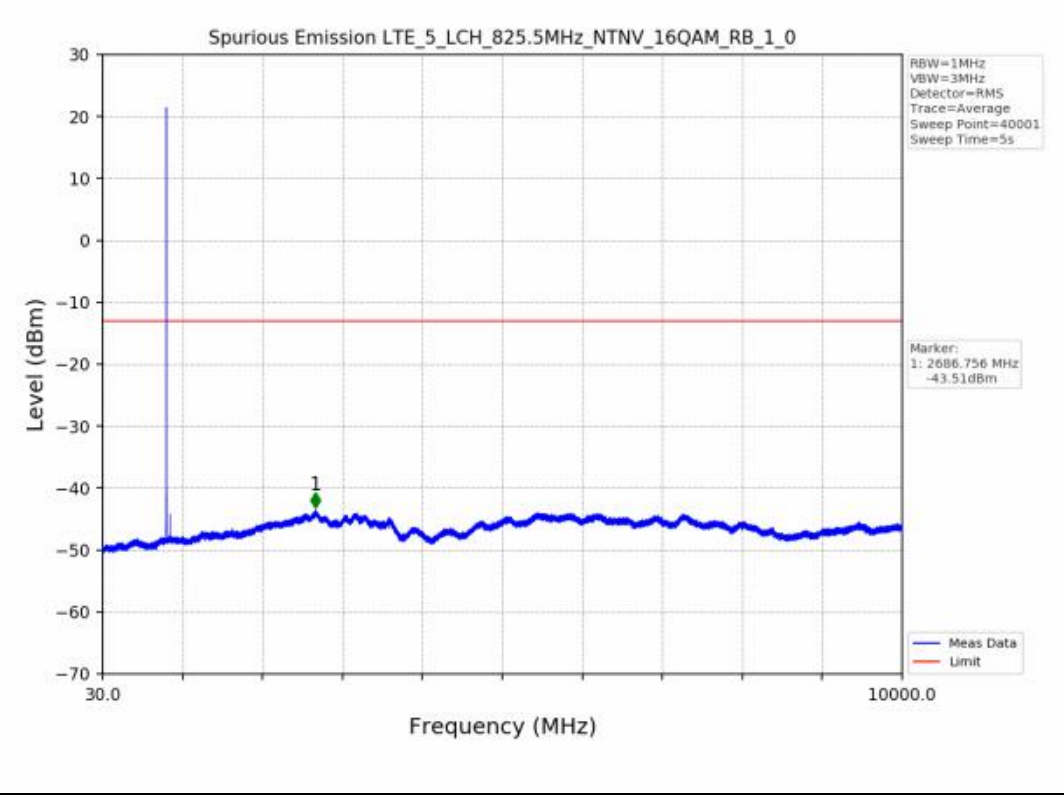

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-24.35dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
847.5
850.5

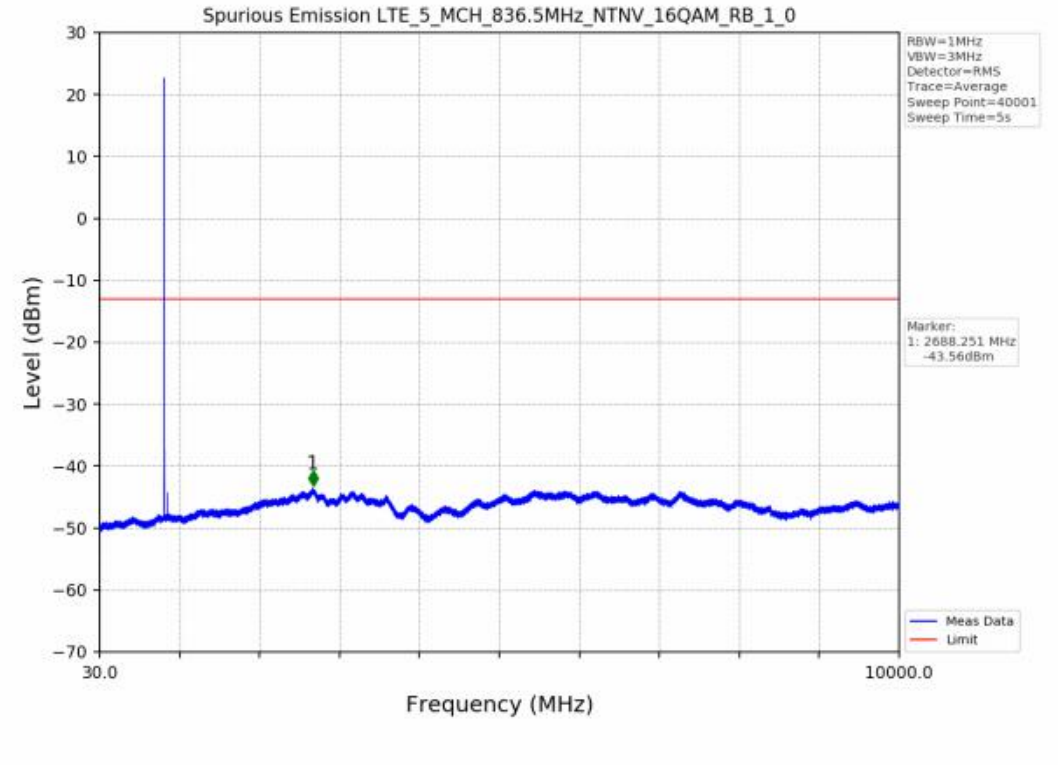

Spurious Emission LTE_5_HCH_848.3MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 844.798 MHz
-40.52dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

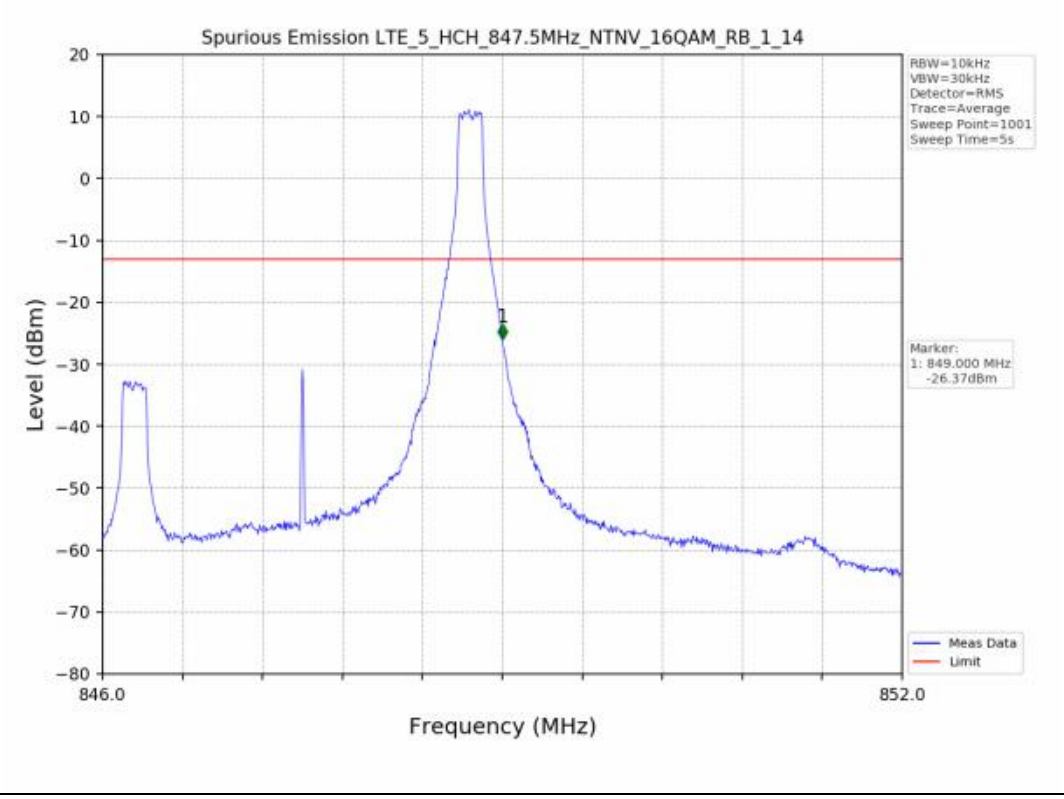

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_16QAM_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-28.23dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
821.0
827.0

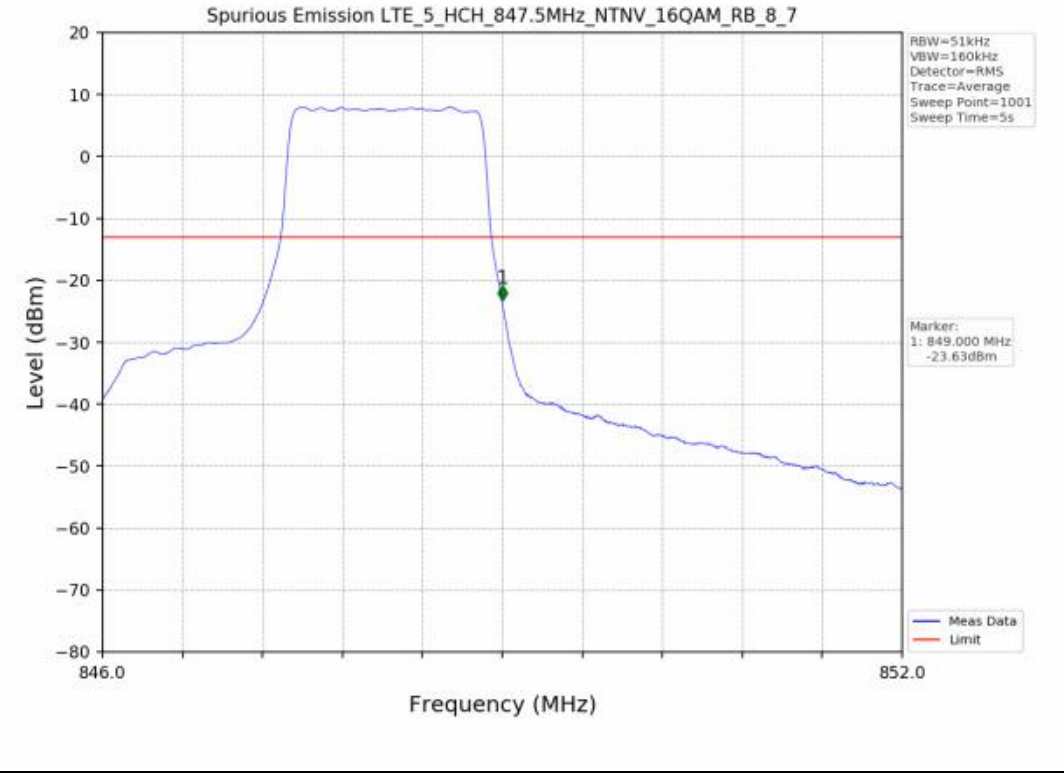

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_16QAM_RB_8_0
RBW=51kHz
VBW=160kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-25.44dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
821.0
827.0

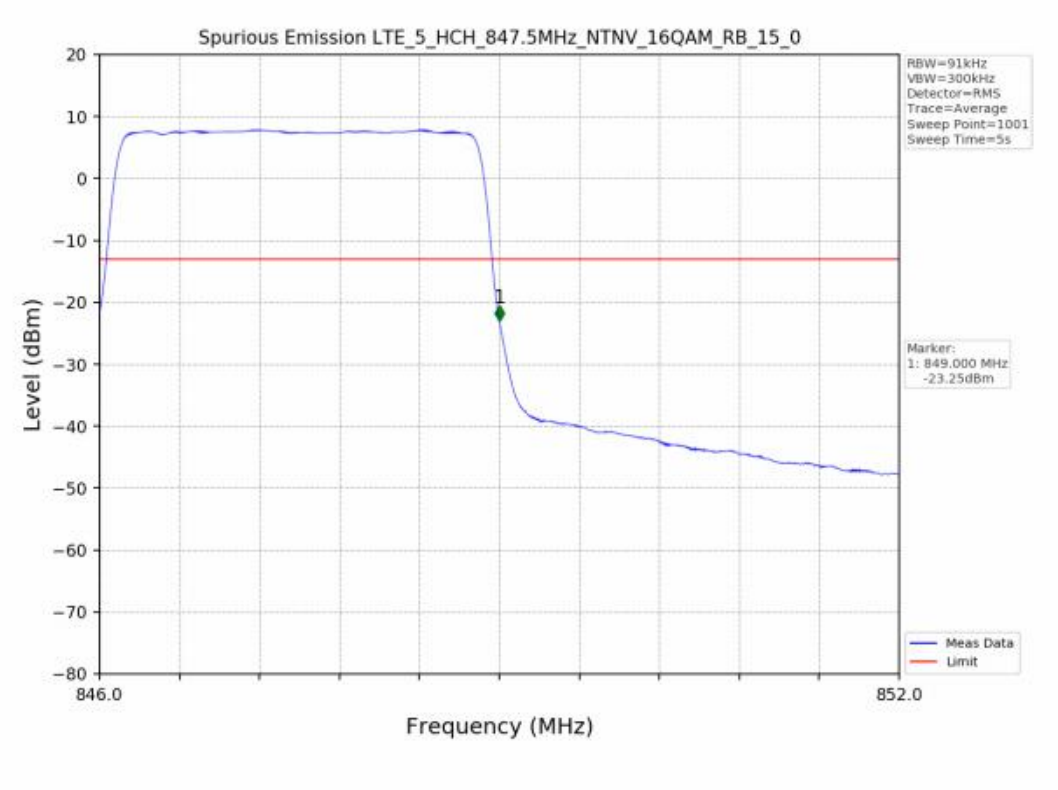

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-22.04dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
821.0
827.0

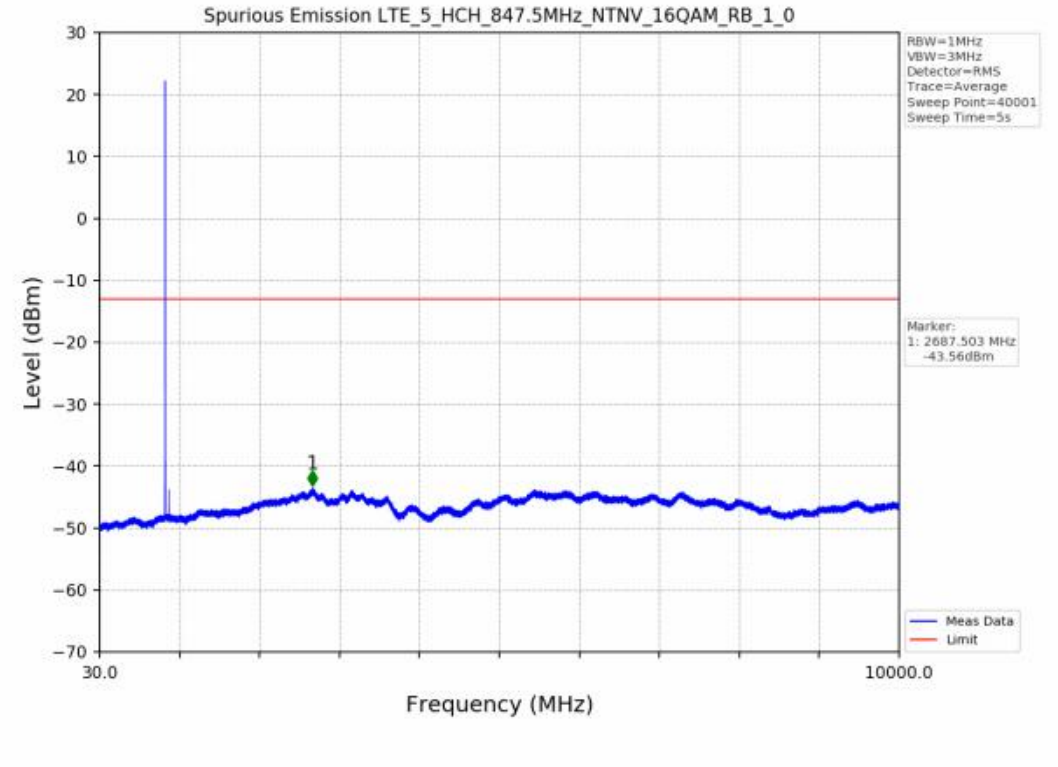

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2686.756 MHz
-43.51dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

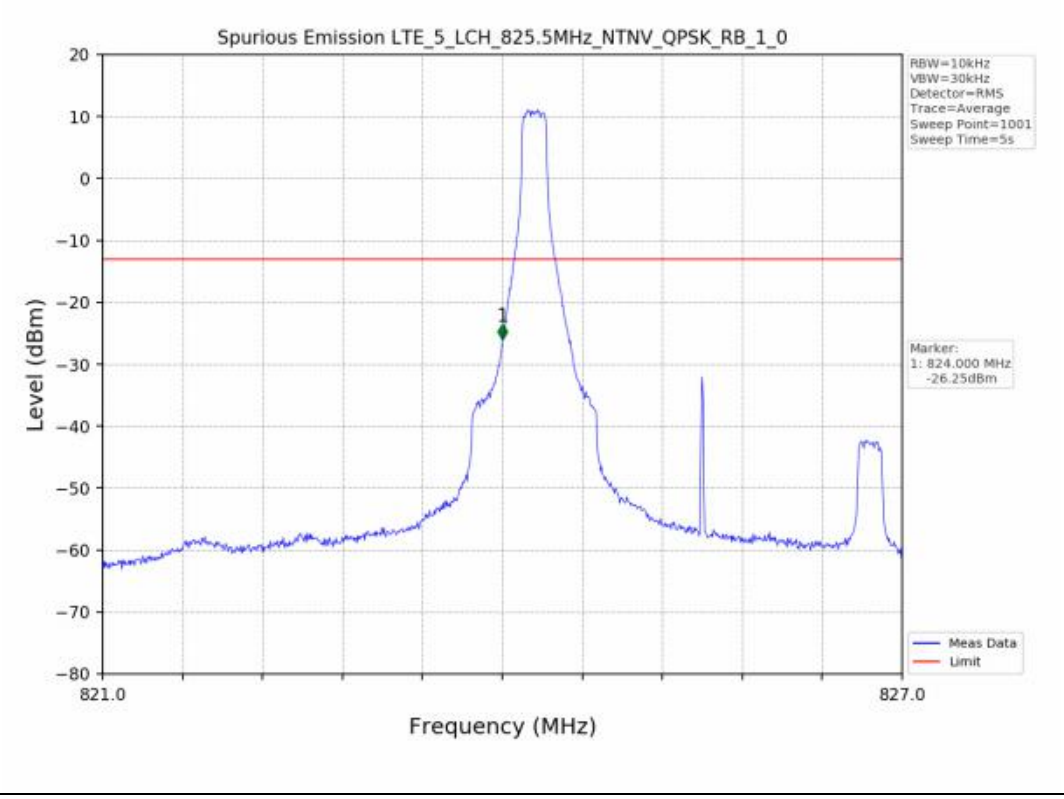

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2688.251 MHz
-43.56dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

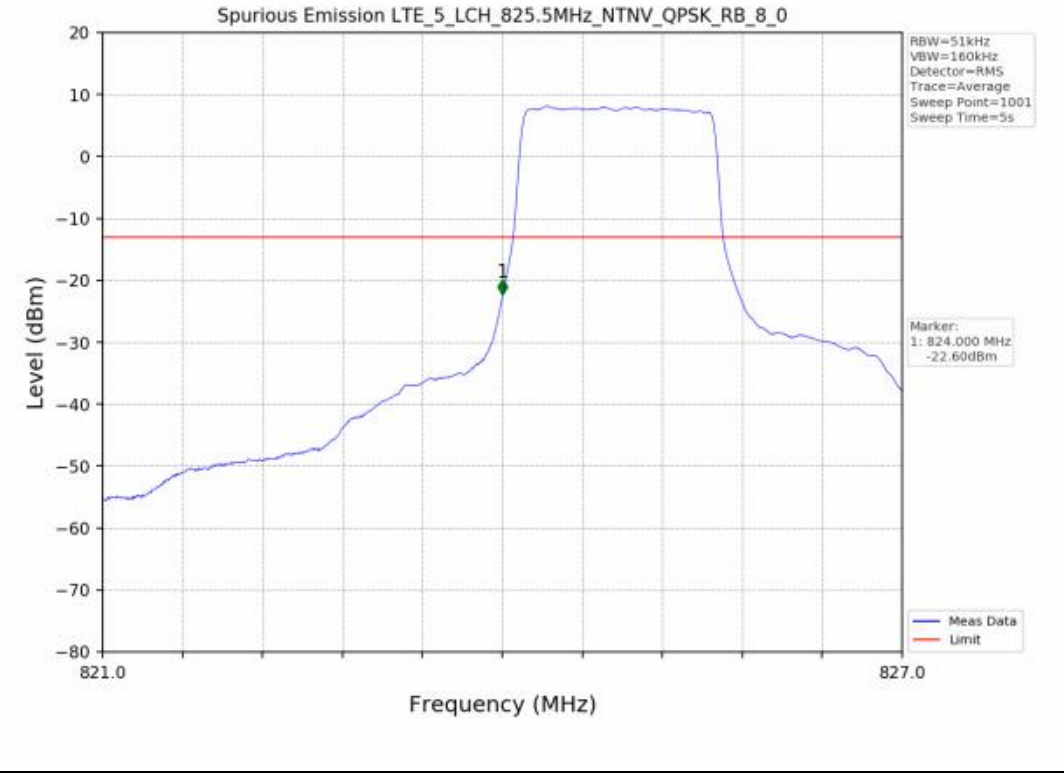

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_1_14
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-26.37dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
846.0
852.0

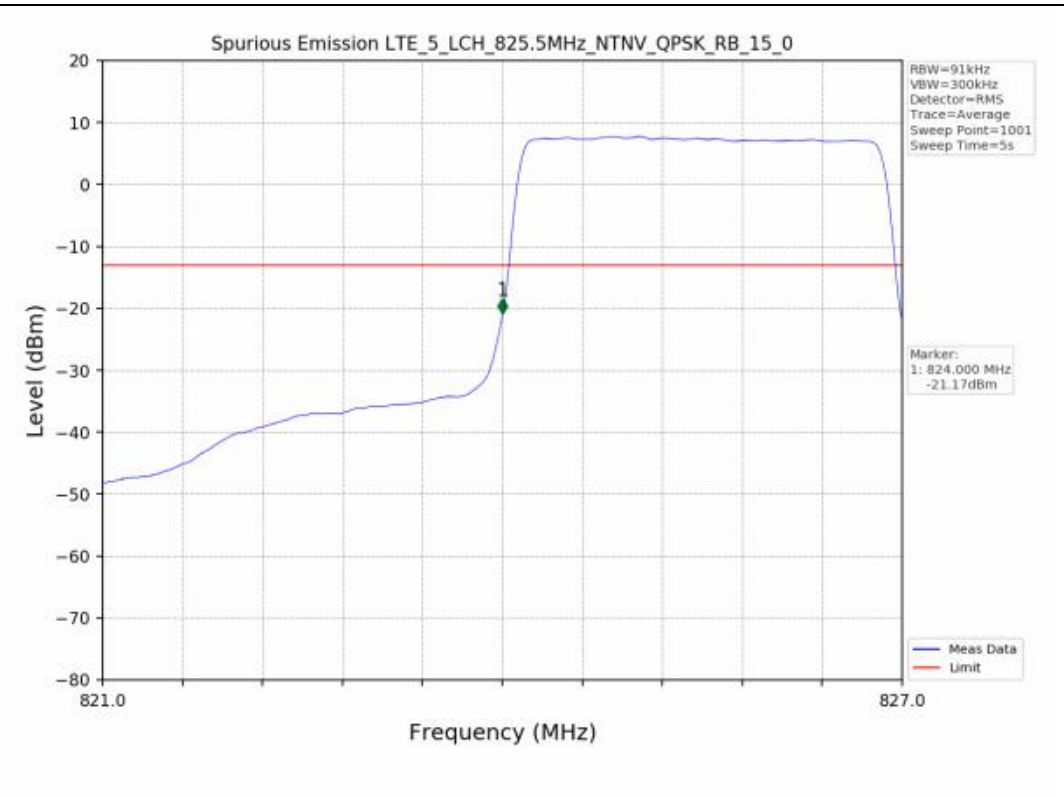

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_8_7
RBW=51kHz
VBW=160kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-23.63dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
846.0
852.0

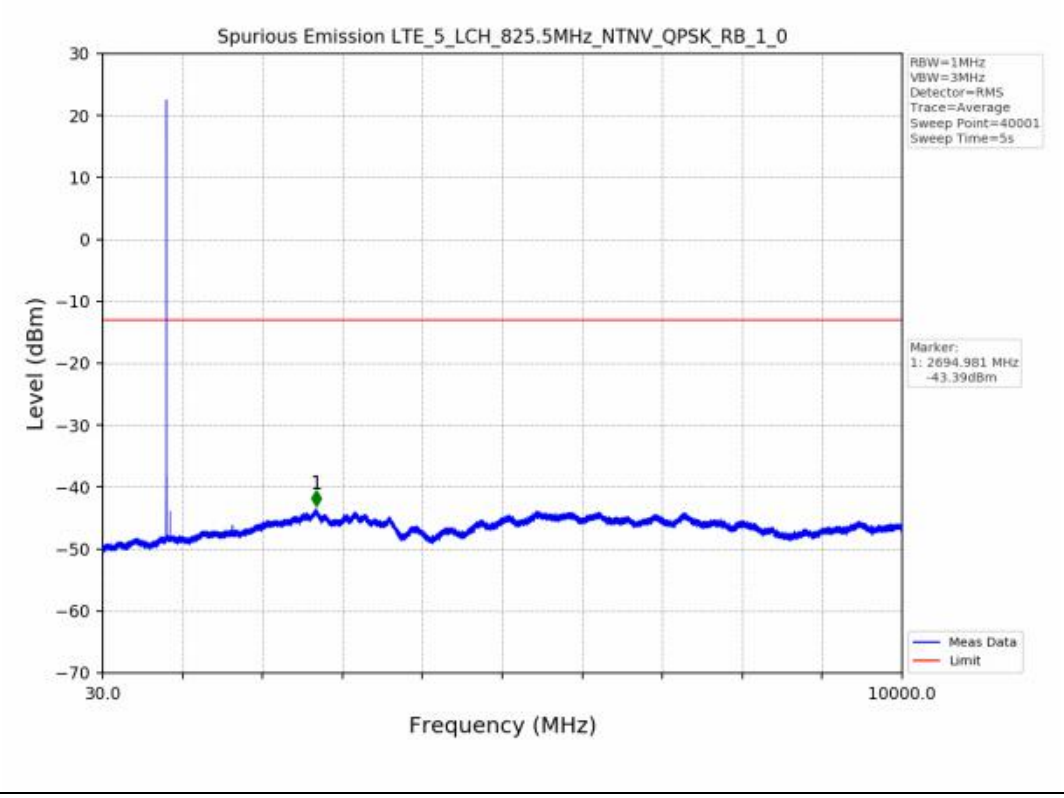

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-23.25dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
846.0
852.0

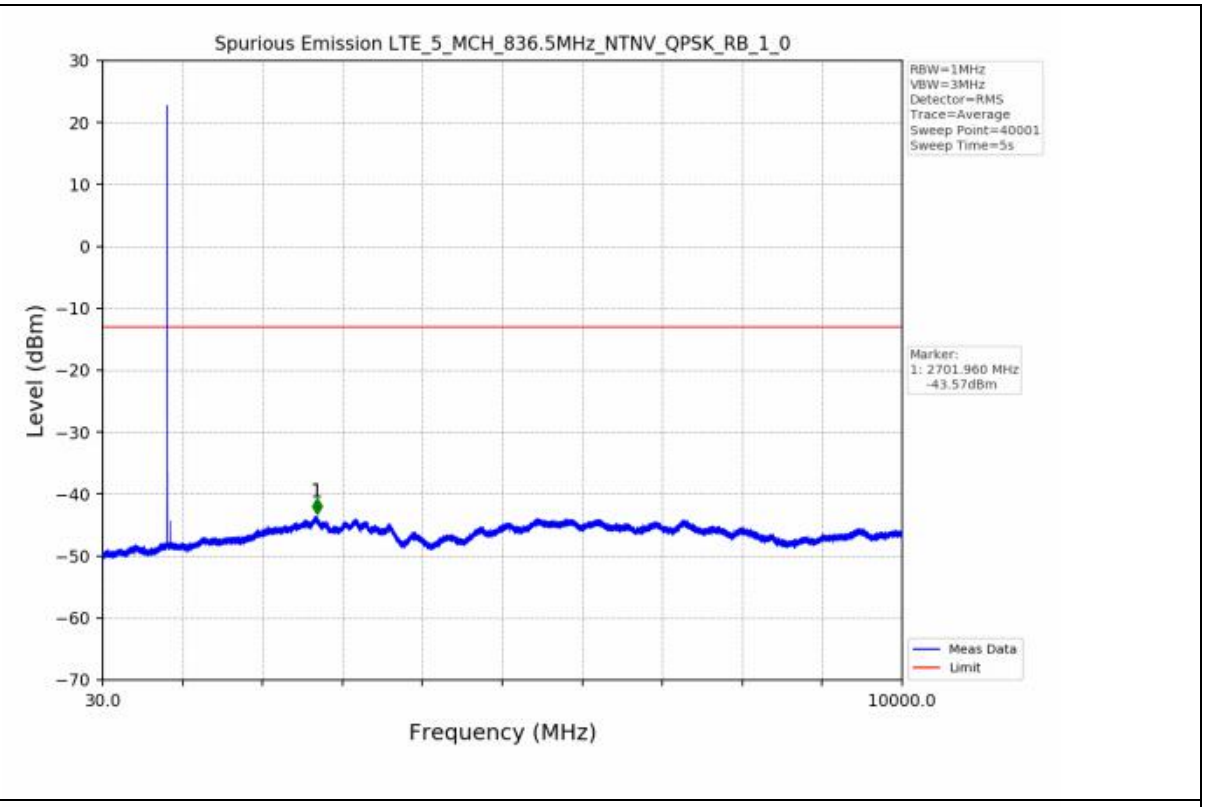

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2687.503 MHz
-43.56dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

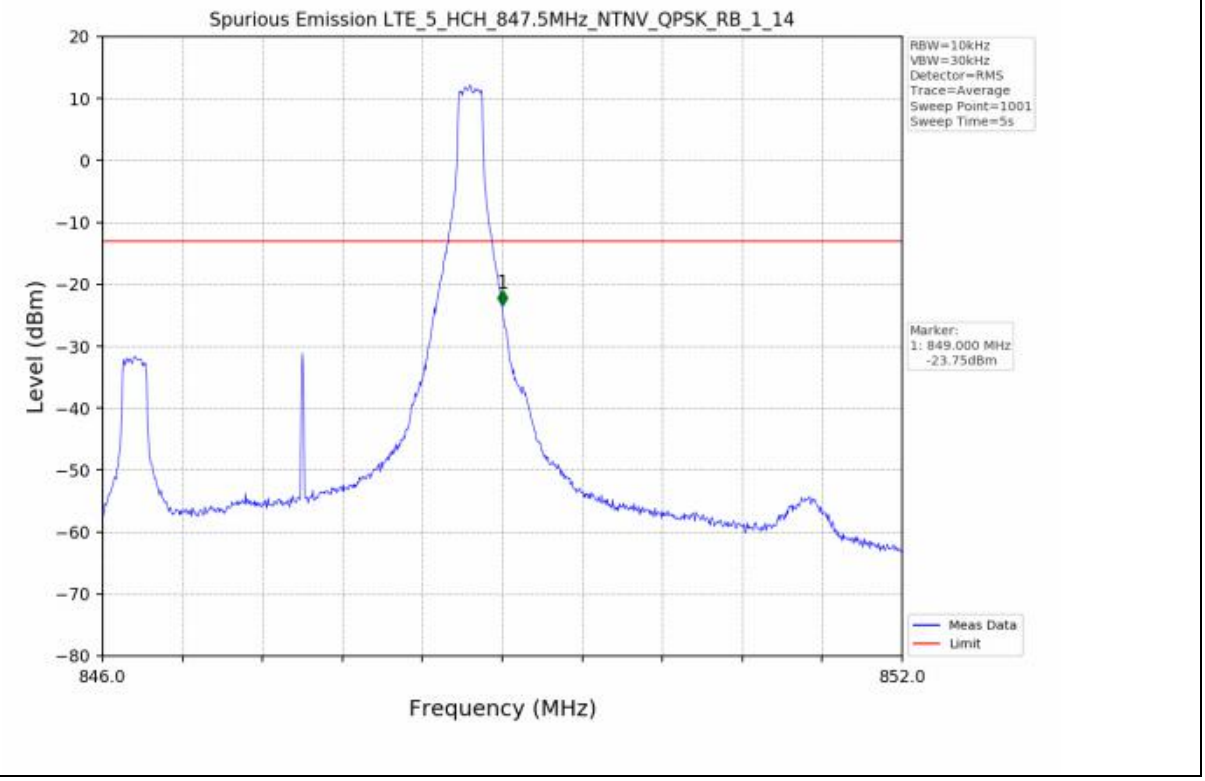

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-26.25dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
821.0
827.0

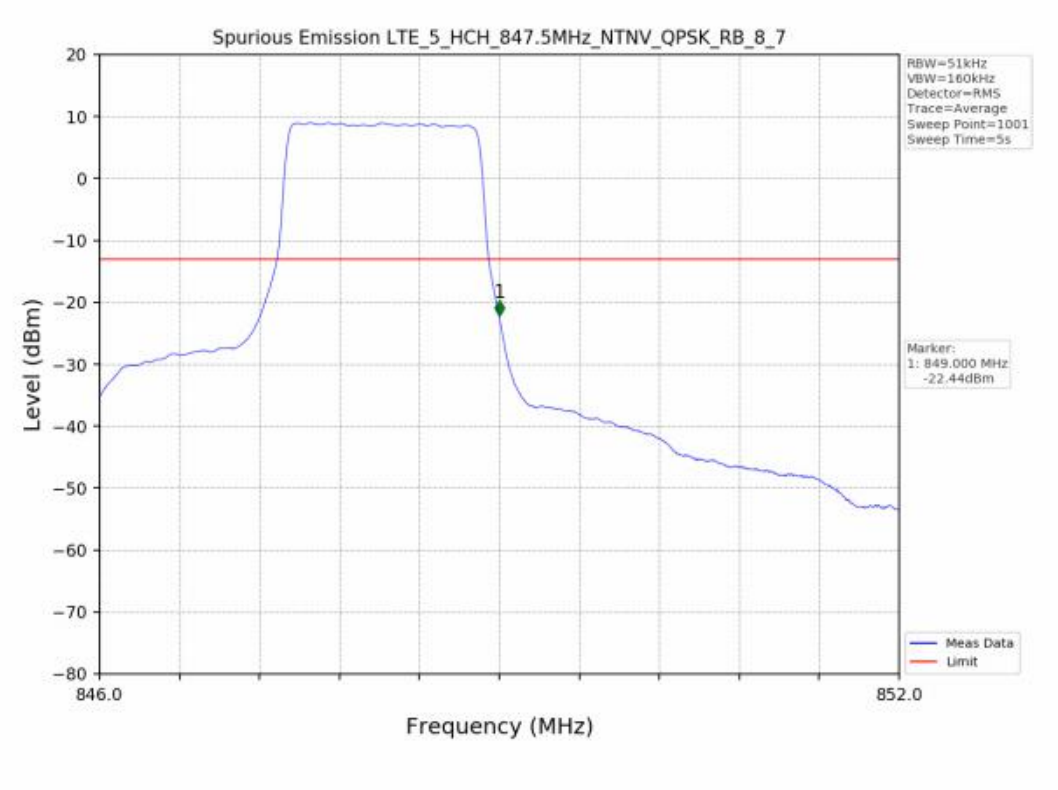

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_8_0
RBW=51kHz
VBW=160kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-22.60dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
821.0
827.0

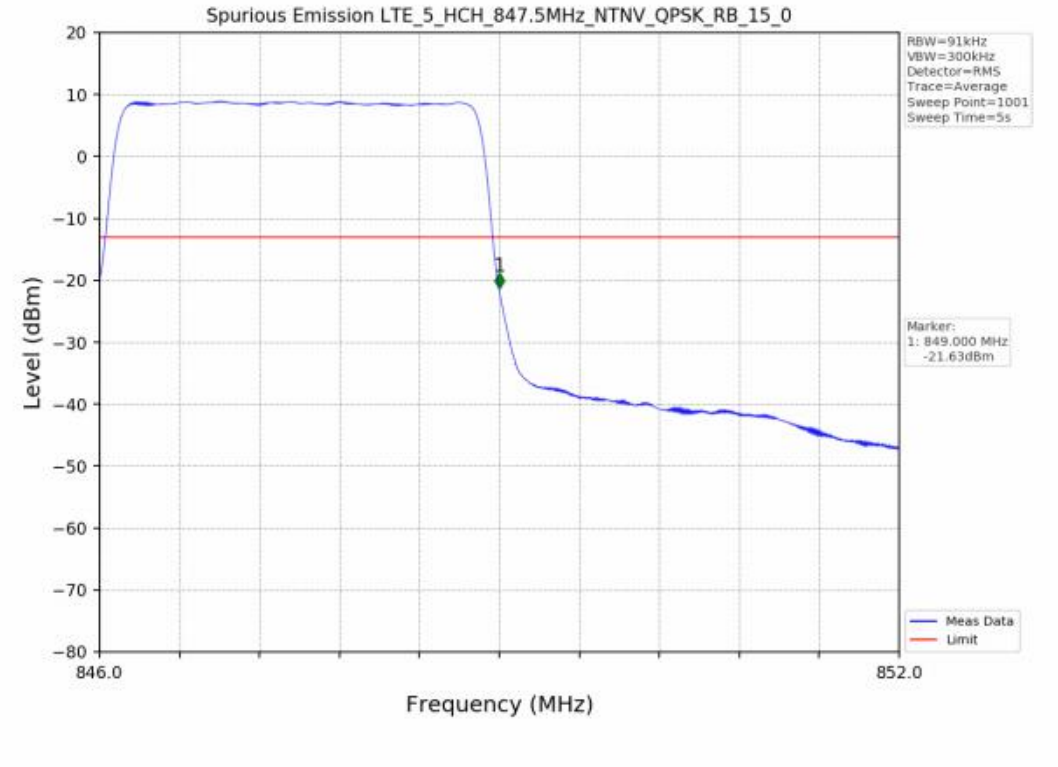

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-21.17dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
821.0
827.0

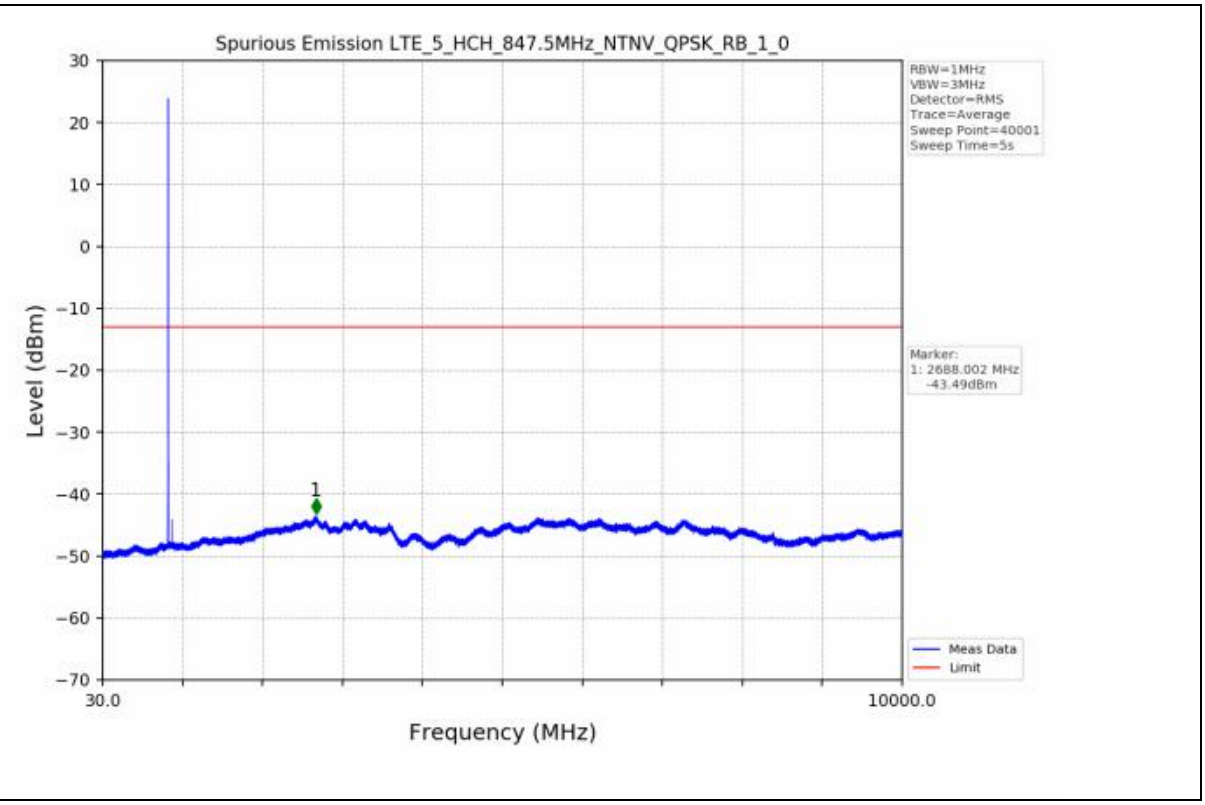

Spurious Emission LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2694.981 MHz
-43.39dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

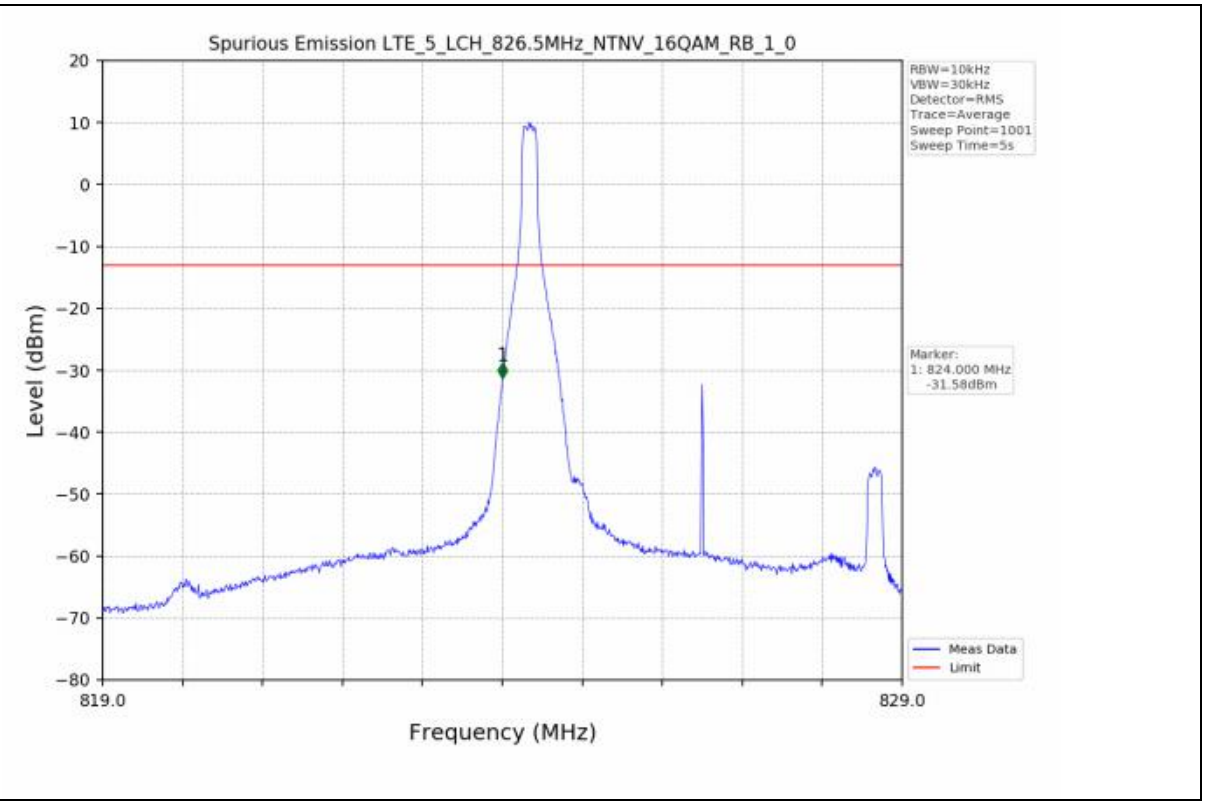

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2701.960 MHz
-43.57dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

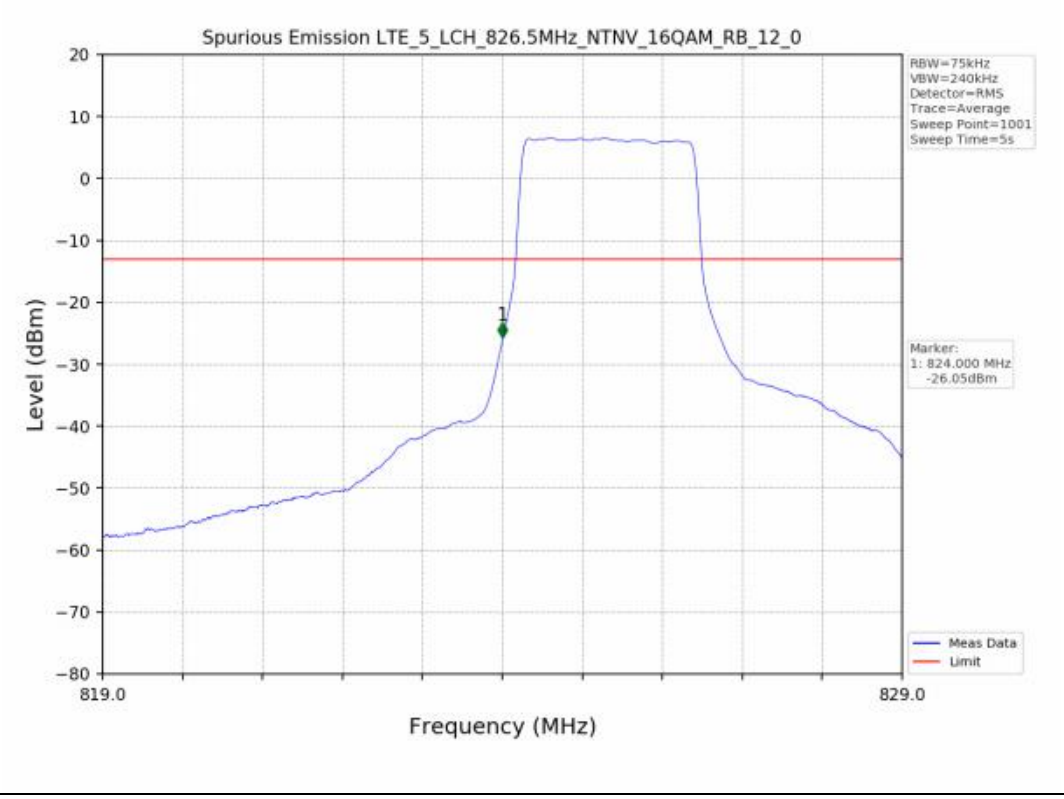

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_1_14
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-23.75dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
846.0
852.0

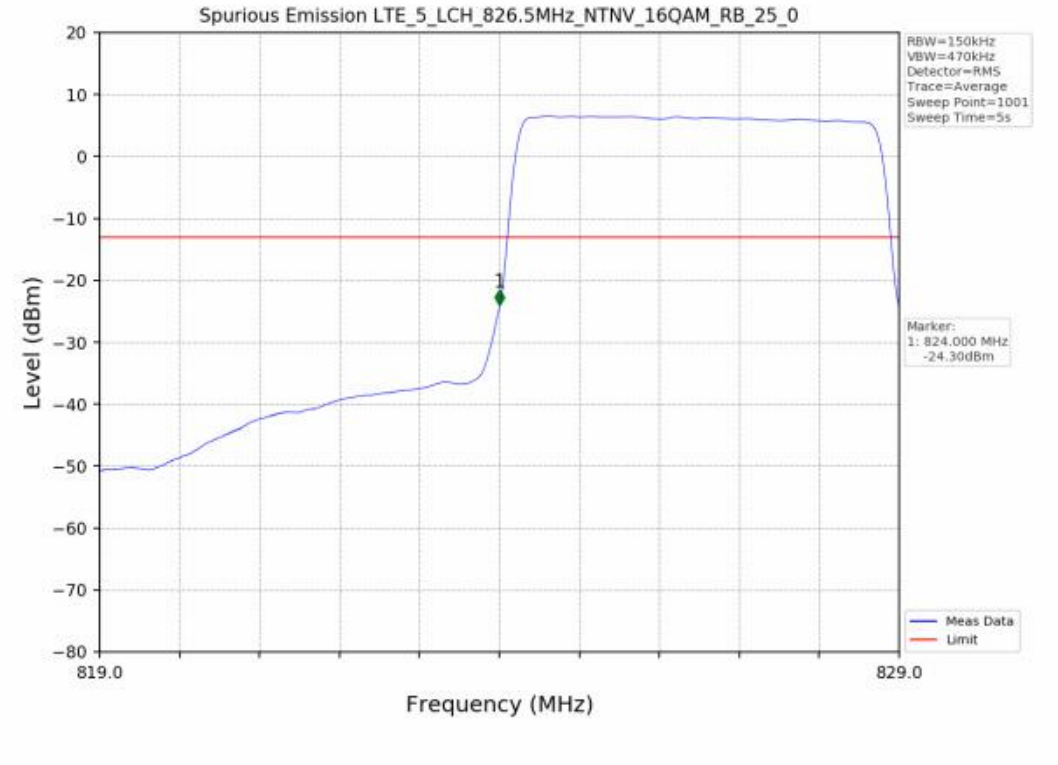

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_8_7
RBW=51kHz
VBW=160kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-22.44dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
846.0
852.0

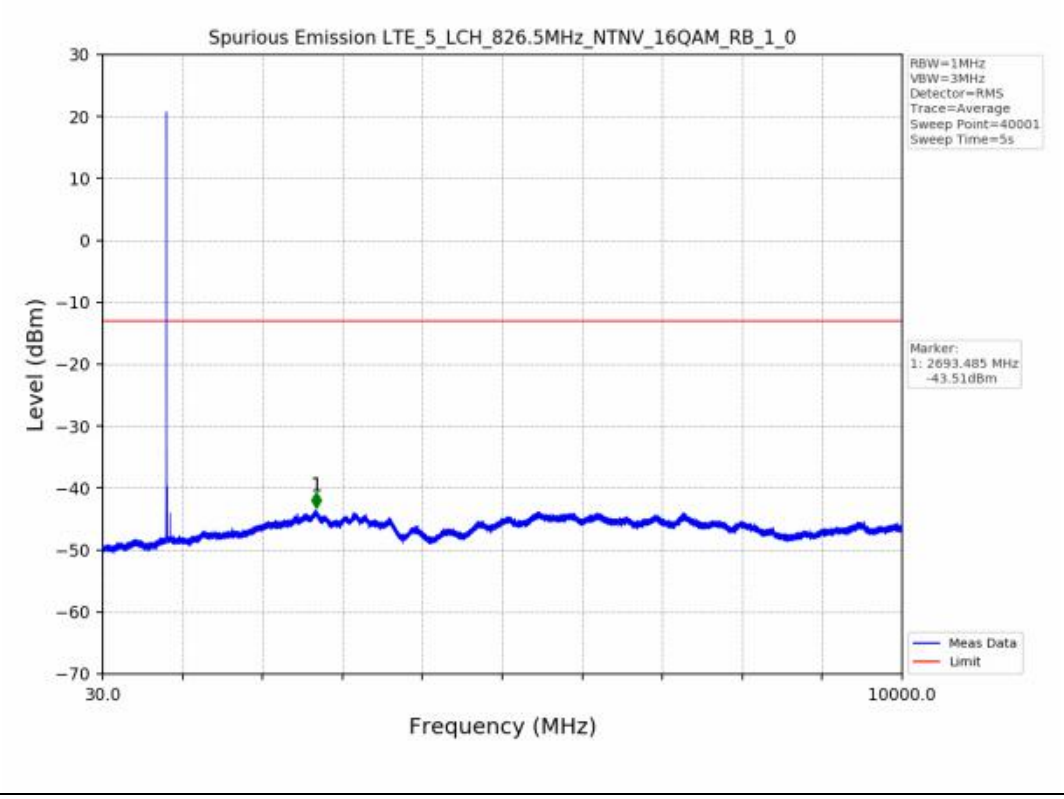

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-21.63dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
846.0
852.0

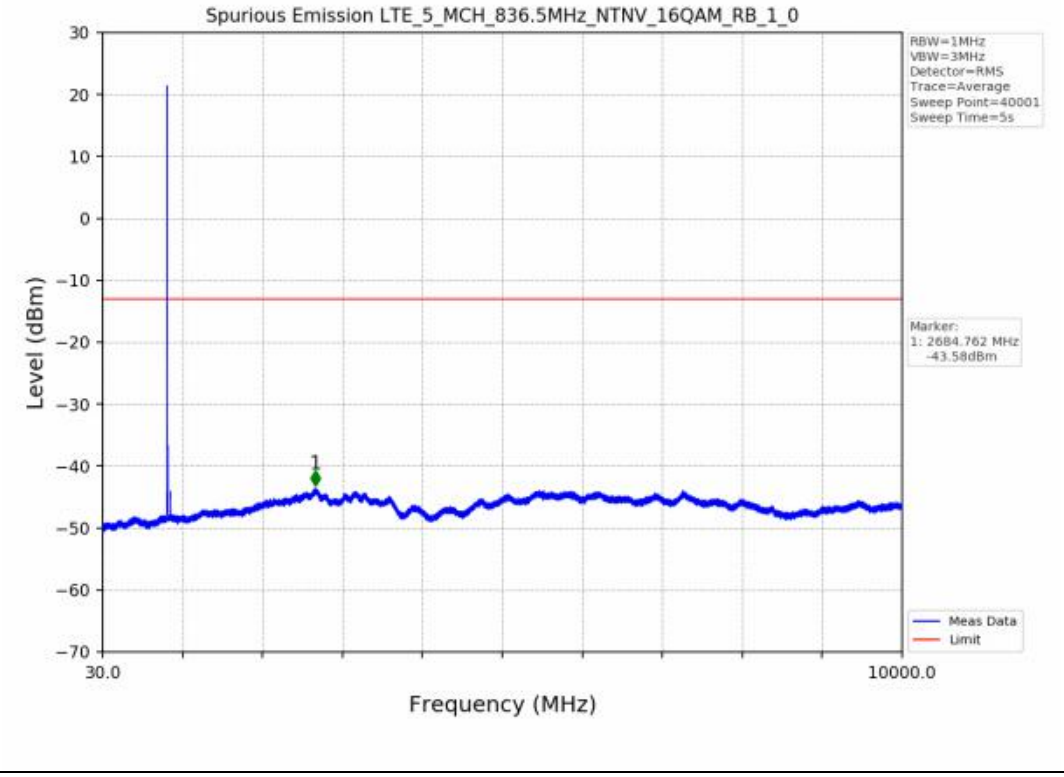

Spurious Emission LTE_5_HCH_847.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2688.002 MHz
-43.49dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

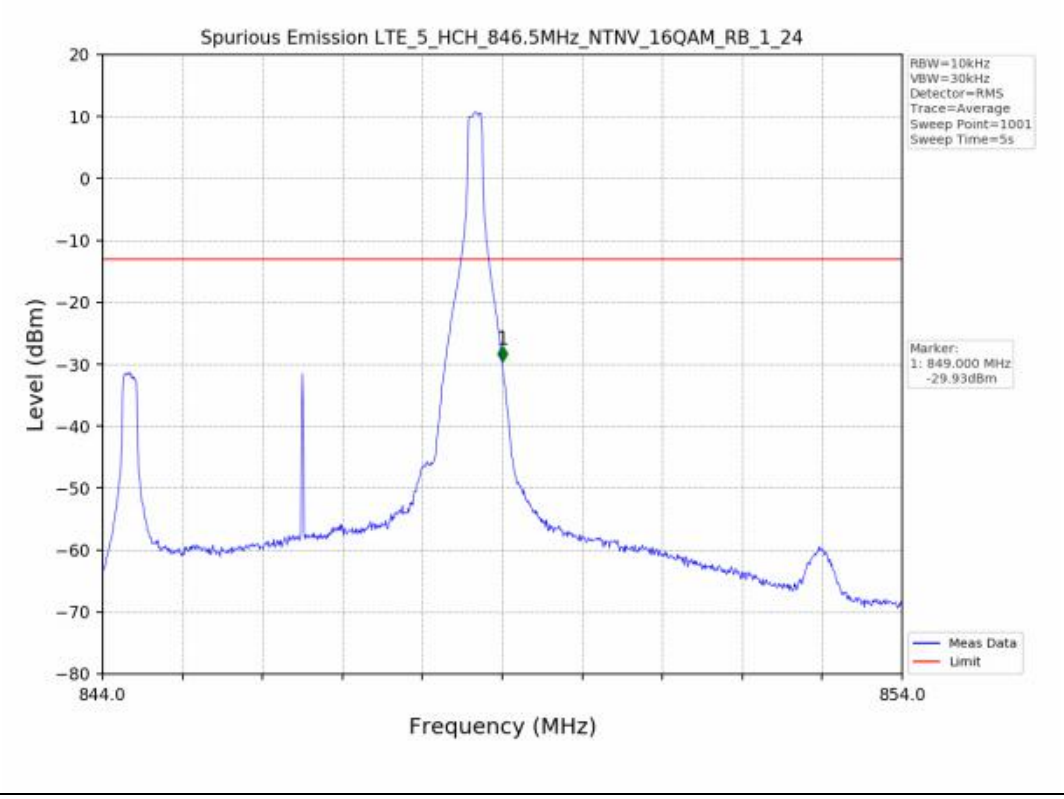

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_16QAM_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-31.58dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
819.0
829.0

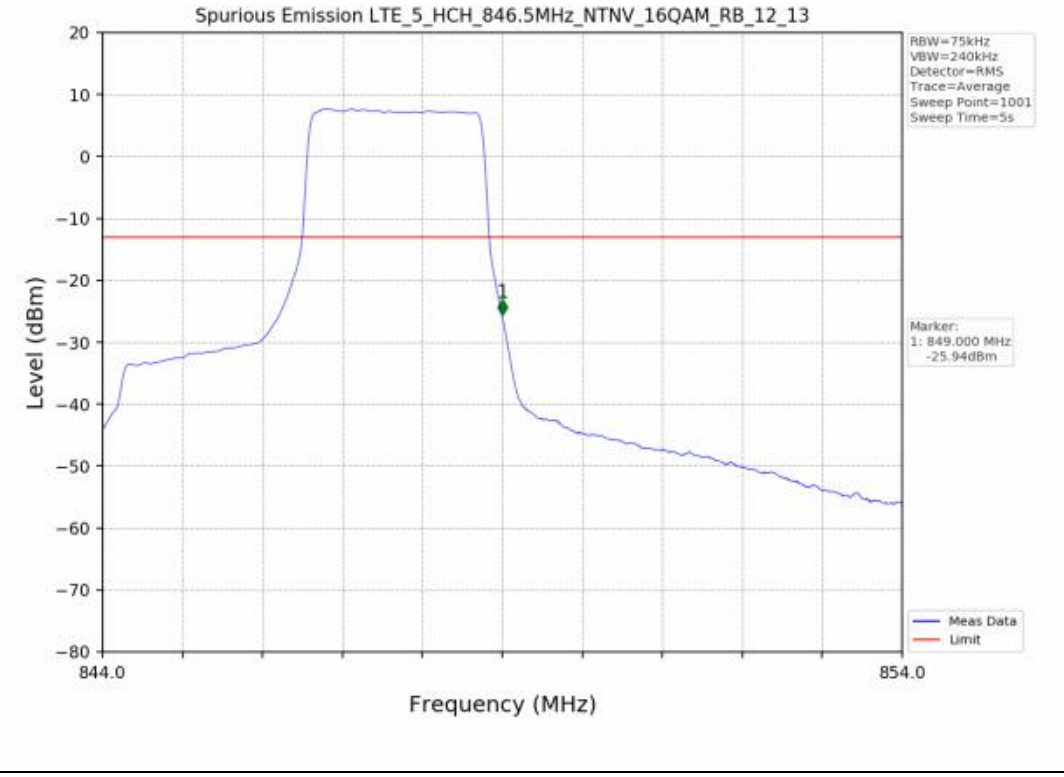

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_16QAM_RB_12_0
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-26.05dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
819.0
829.0

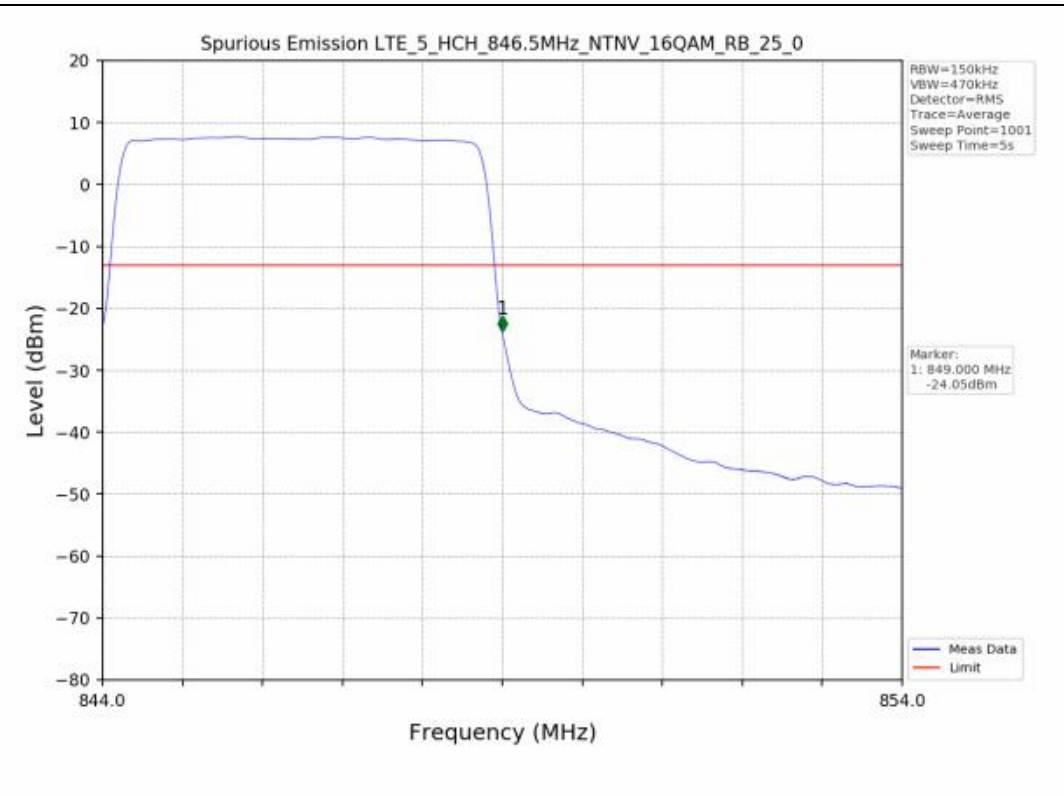

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-24.30dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
819.0
829.0

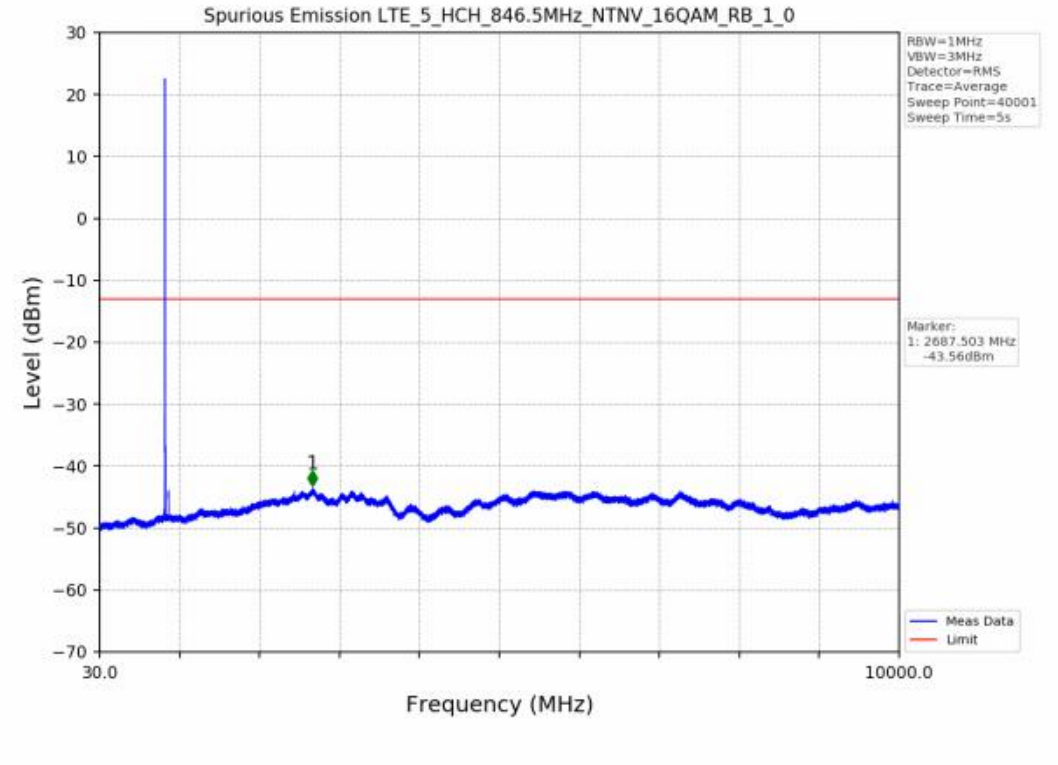

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2693.485 MHz
-43.51dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

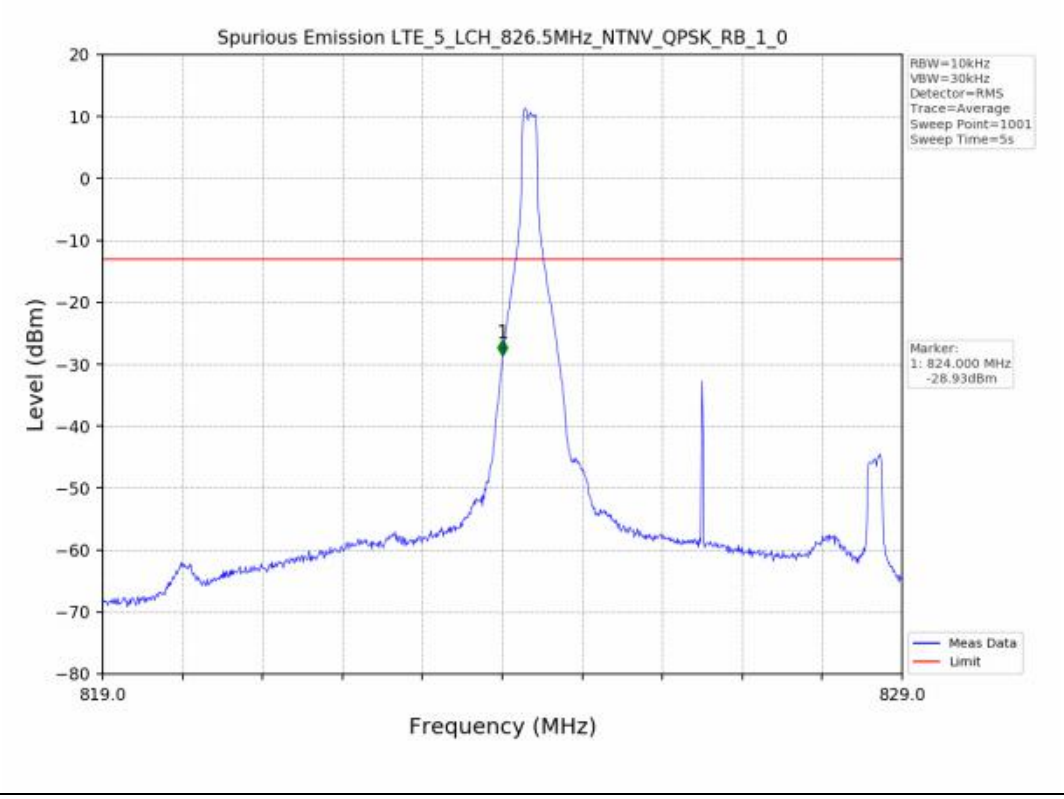

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2684.762 MHz
-43.58dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

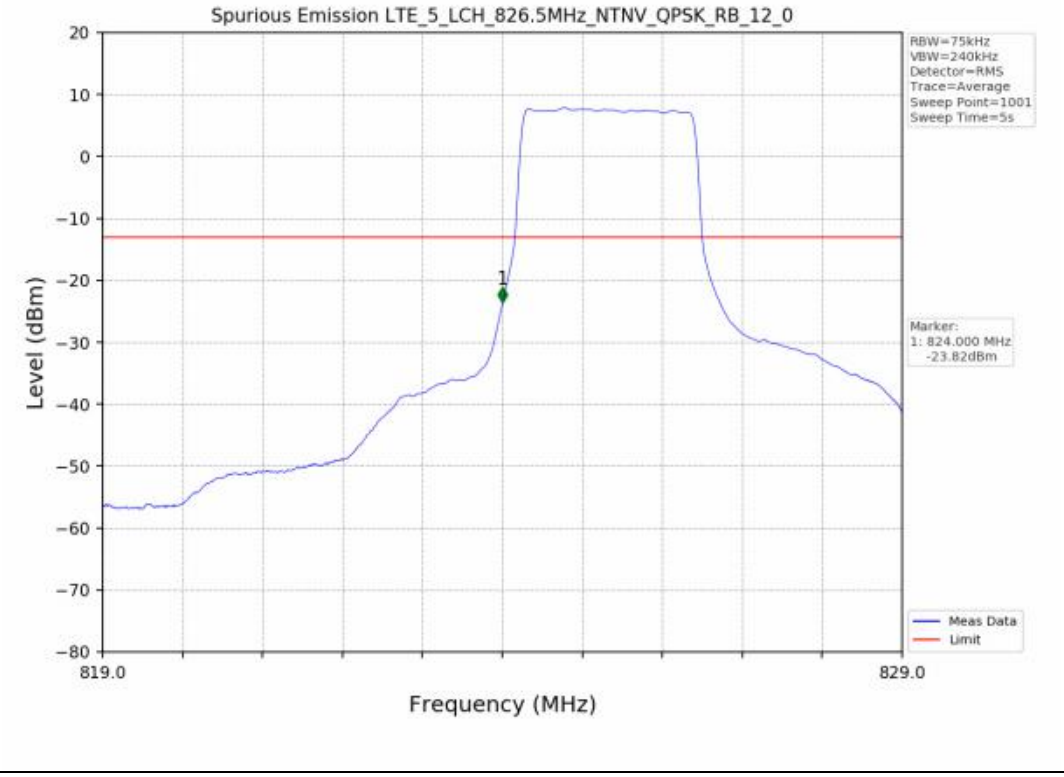

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_1_24
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-29.93dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
844.0
854.0

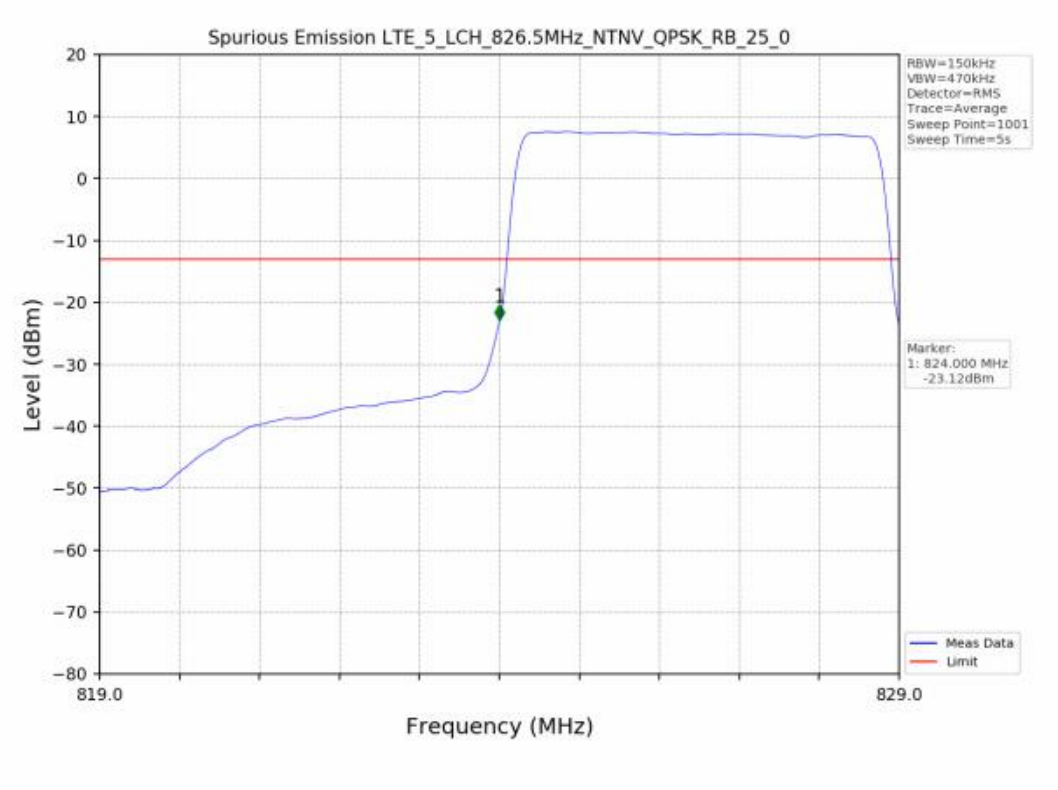

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_12_13
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-25.94dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
844.0
854.0

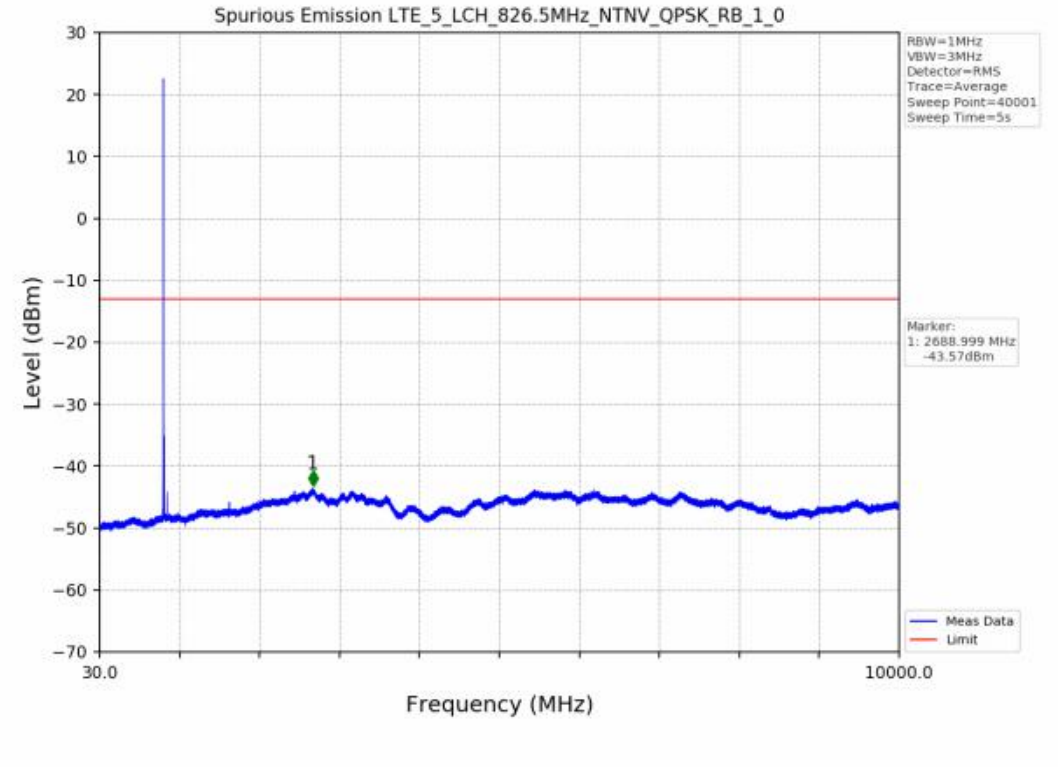

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-24.05dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
844.0
854.0

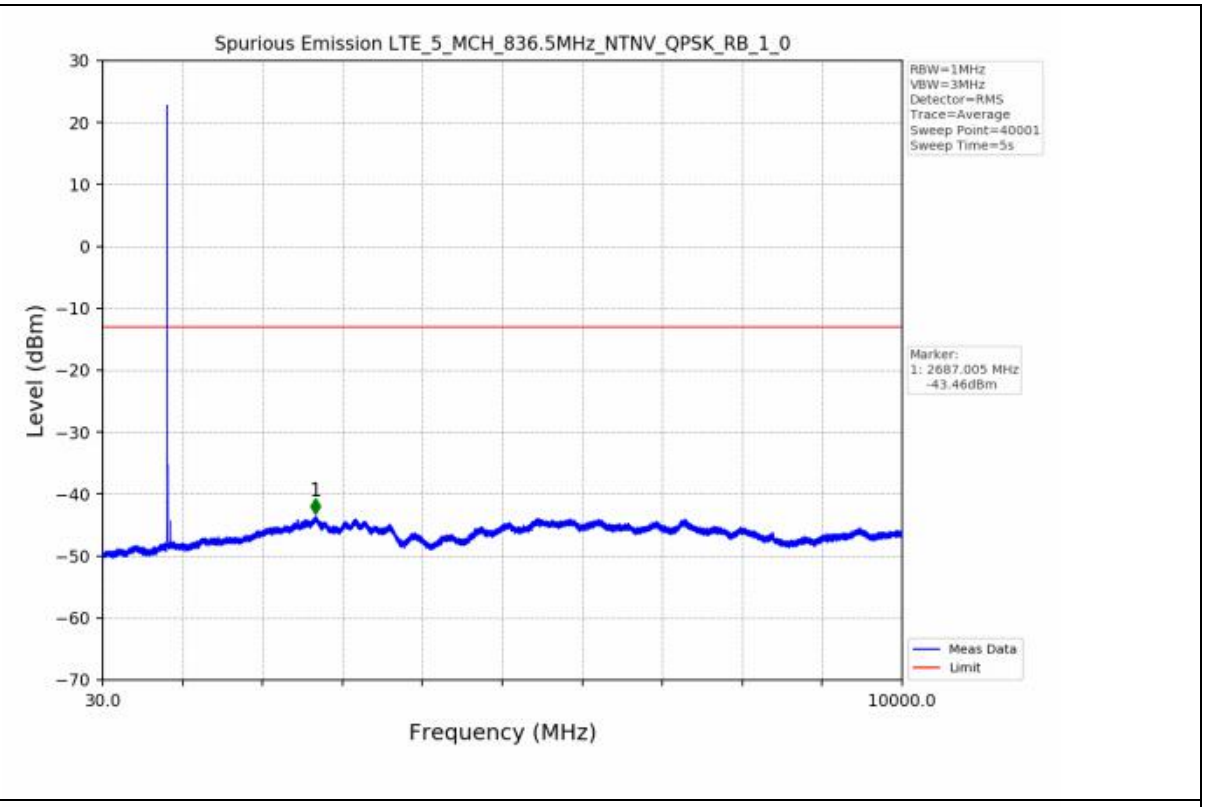

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2687.503 MHz
-43.56dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

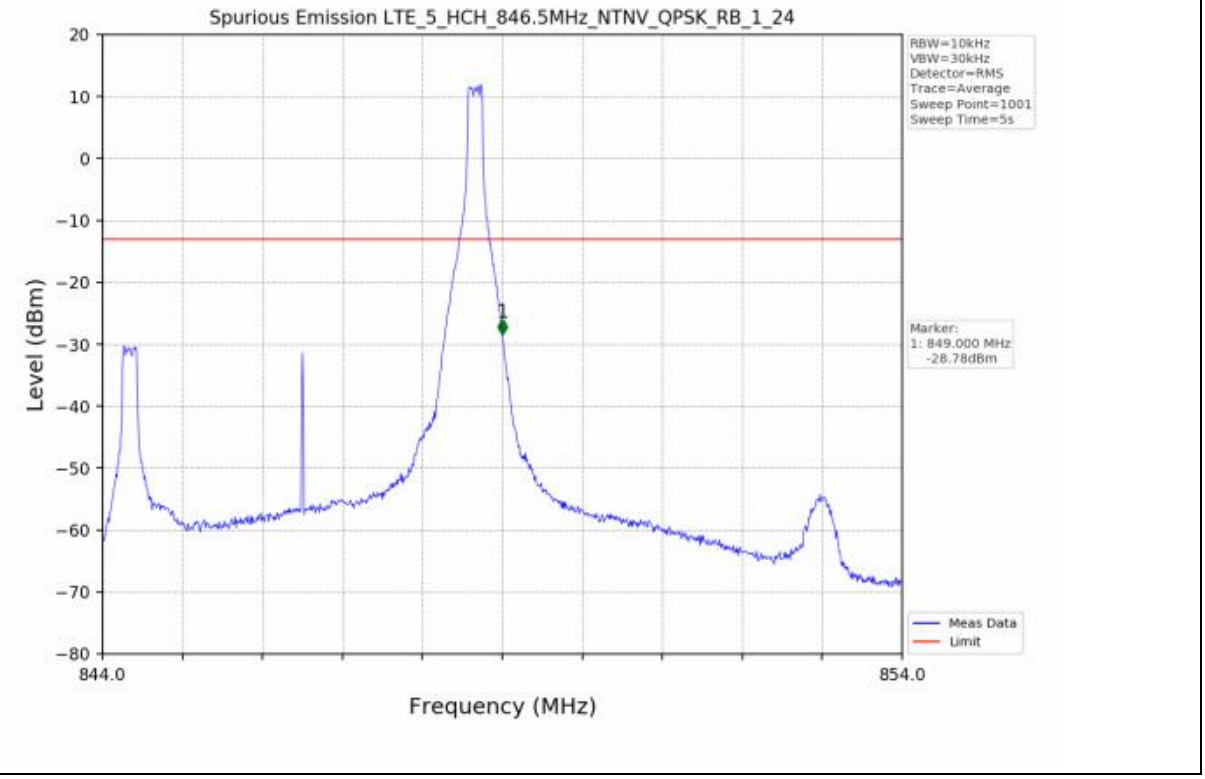

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-28.93dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
819.0
829.0

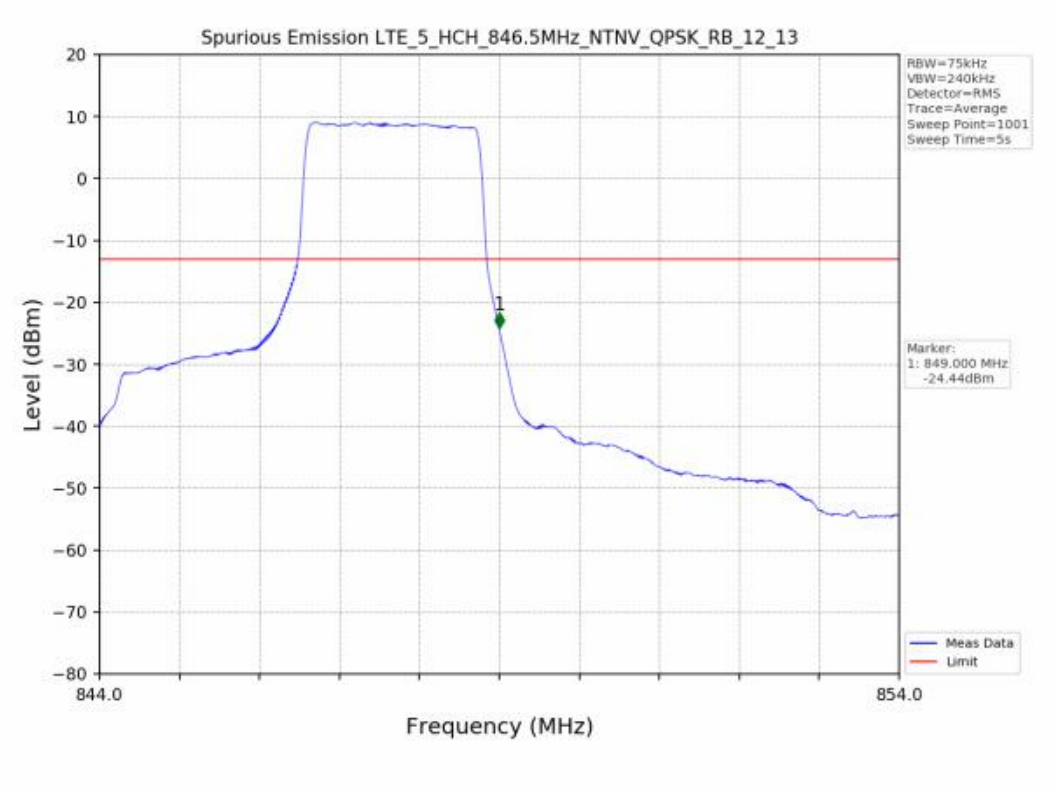

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_12_0
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-23.82dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
819.0
829.0

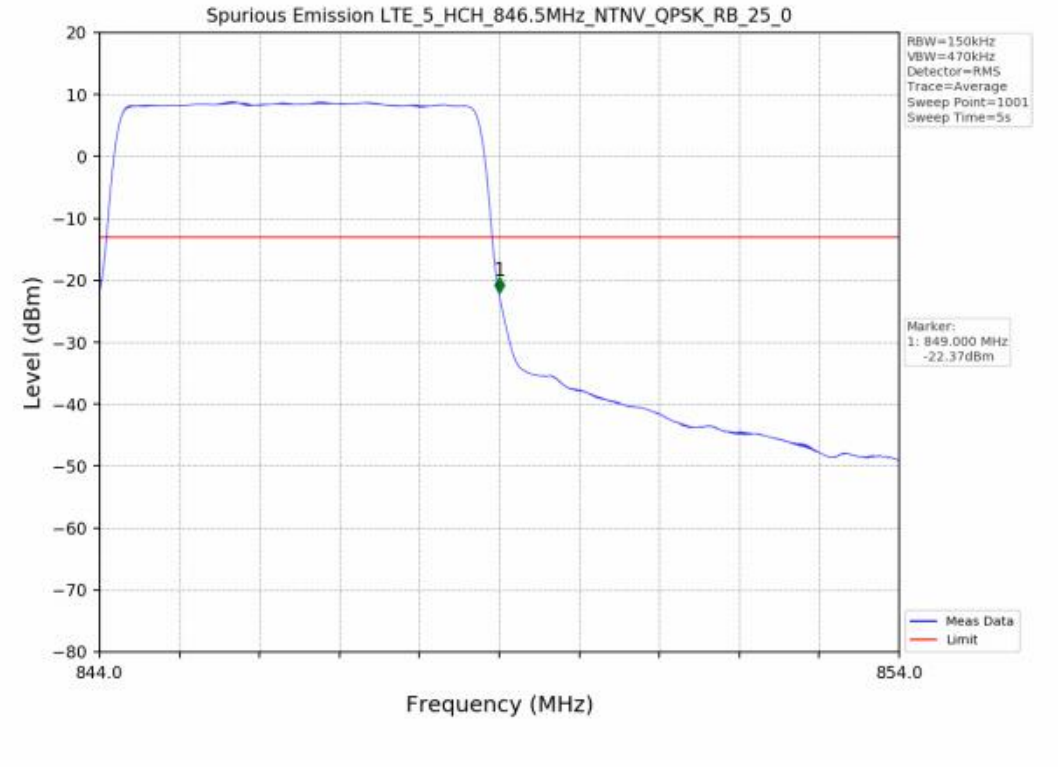

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-23.12dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
819.0
829.0

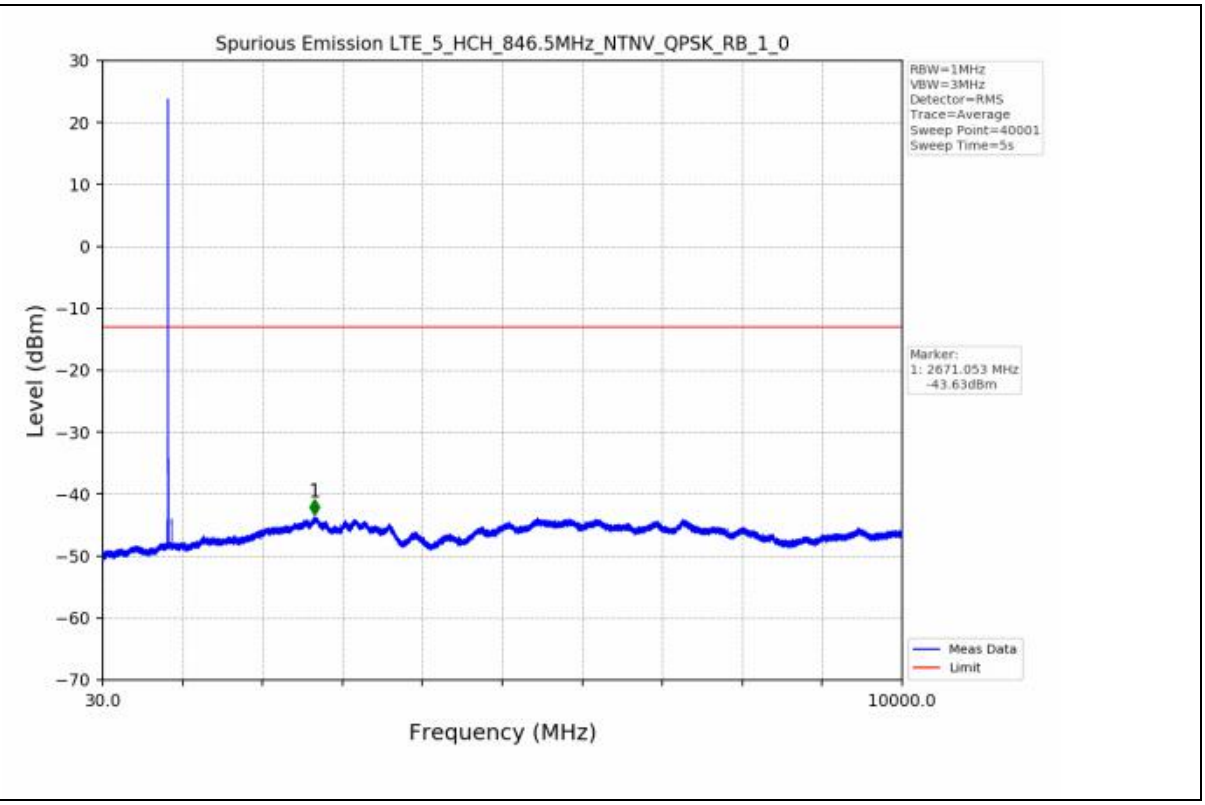

Spurious Emission LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2688.999 MHz
-43.57dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

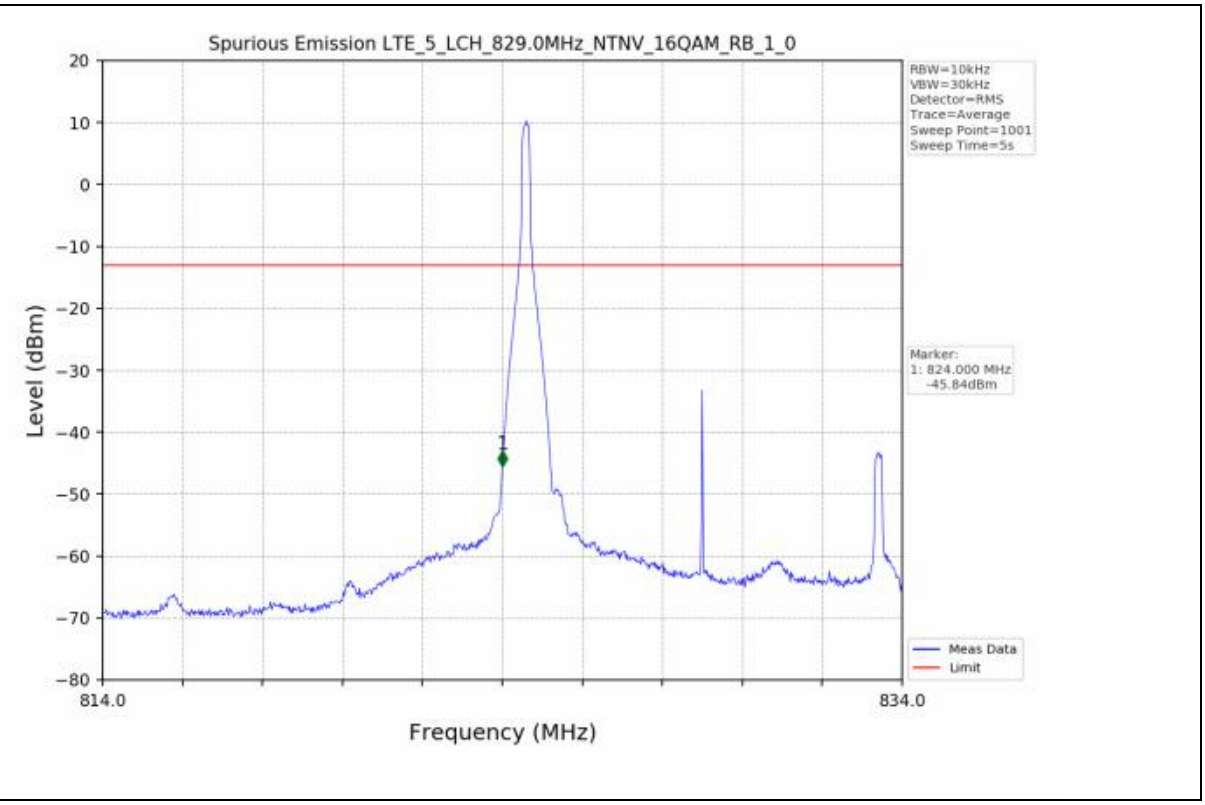

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2687.005 MHz
-43.46dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

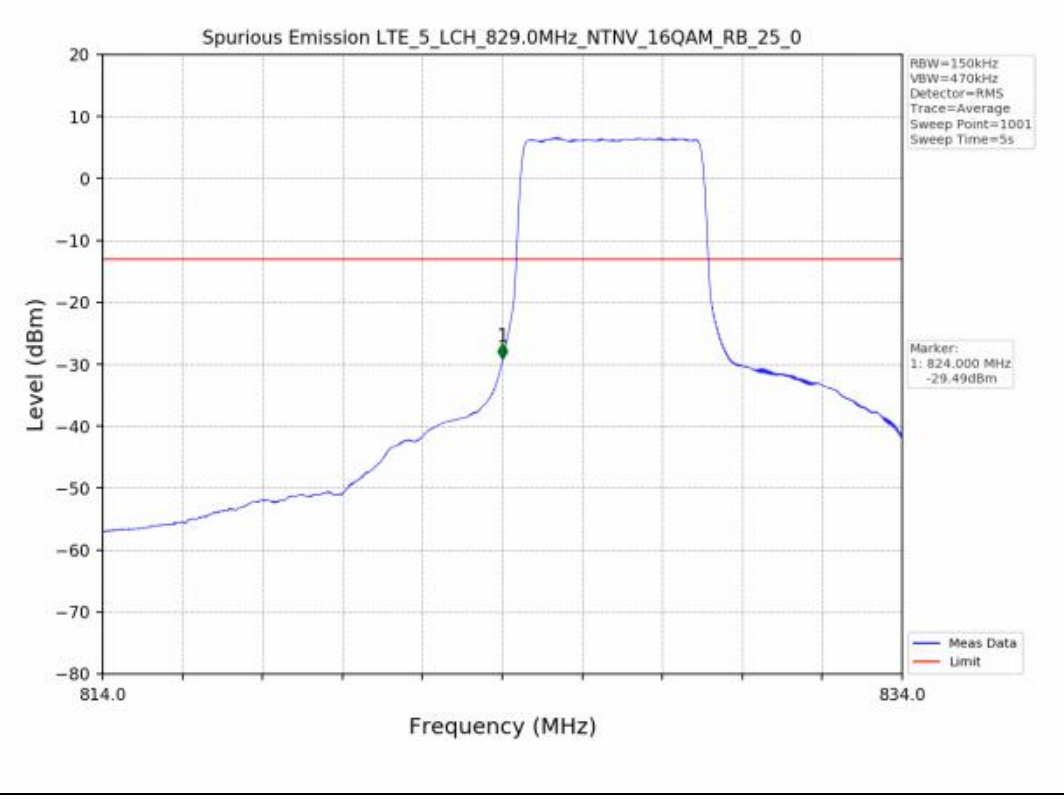

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_1_24
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-28.78dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
844.0
854.0

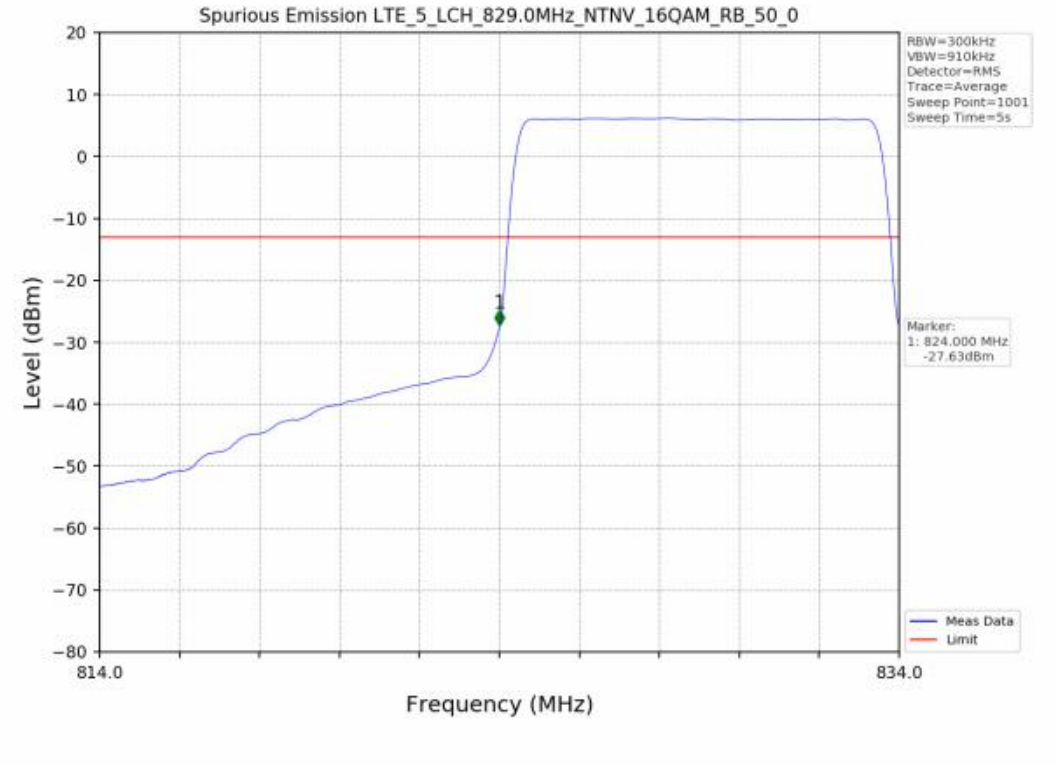

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_12_13
RBW=75kHz
VBW=240kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-24.44dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
844.0
854.0

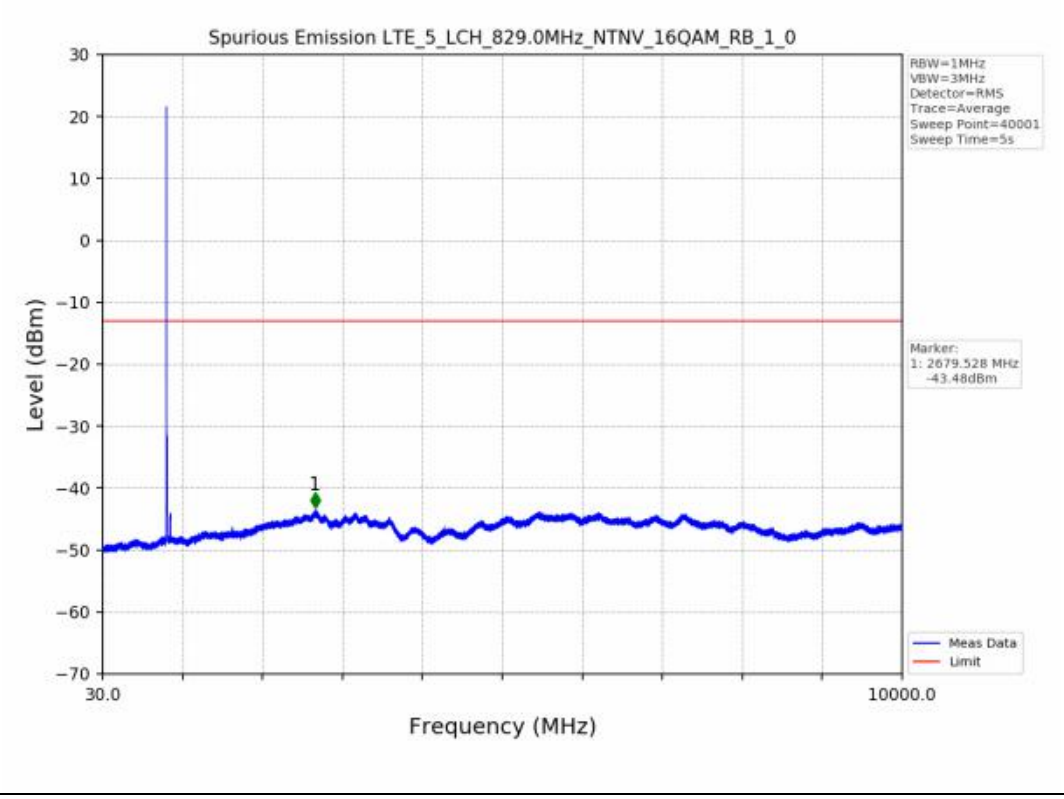

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-22.37dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
844.0
854.0

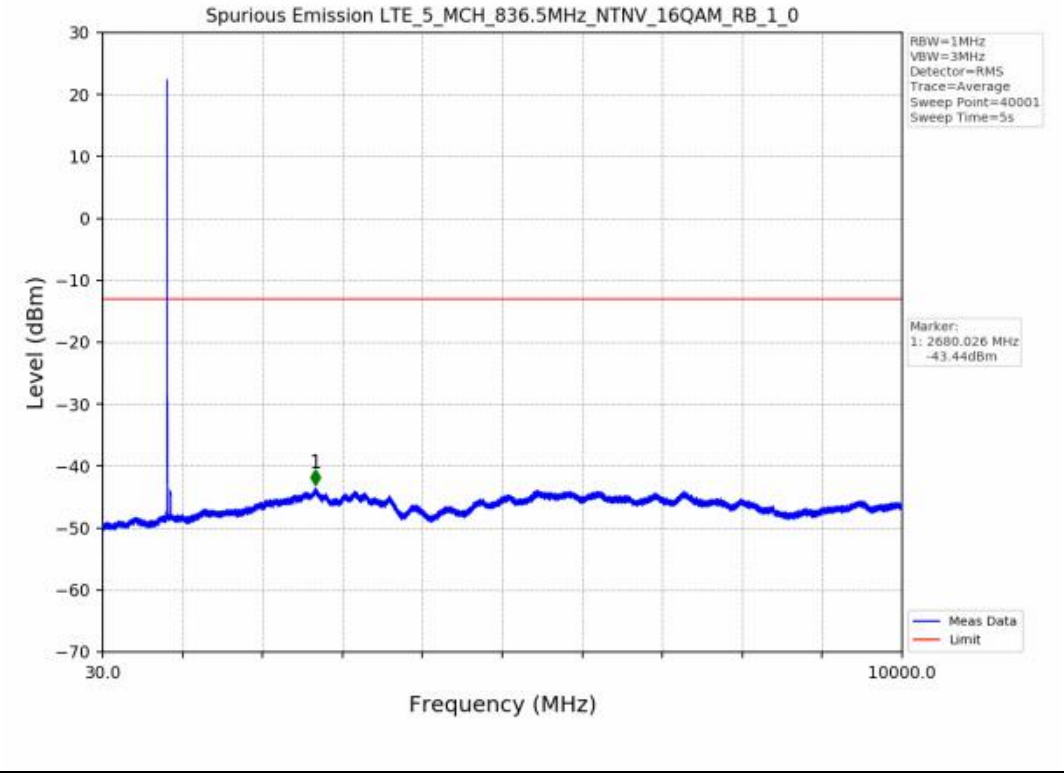

Spurious Emission LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2671.053 MHz
-43.63dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

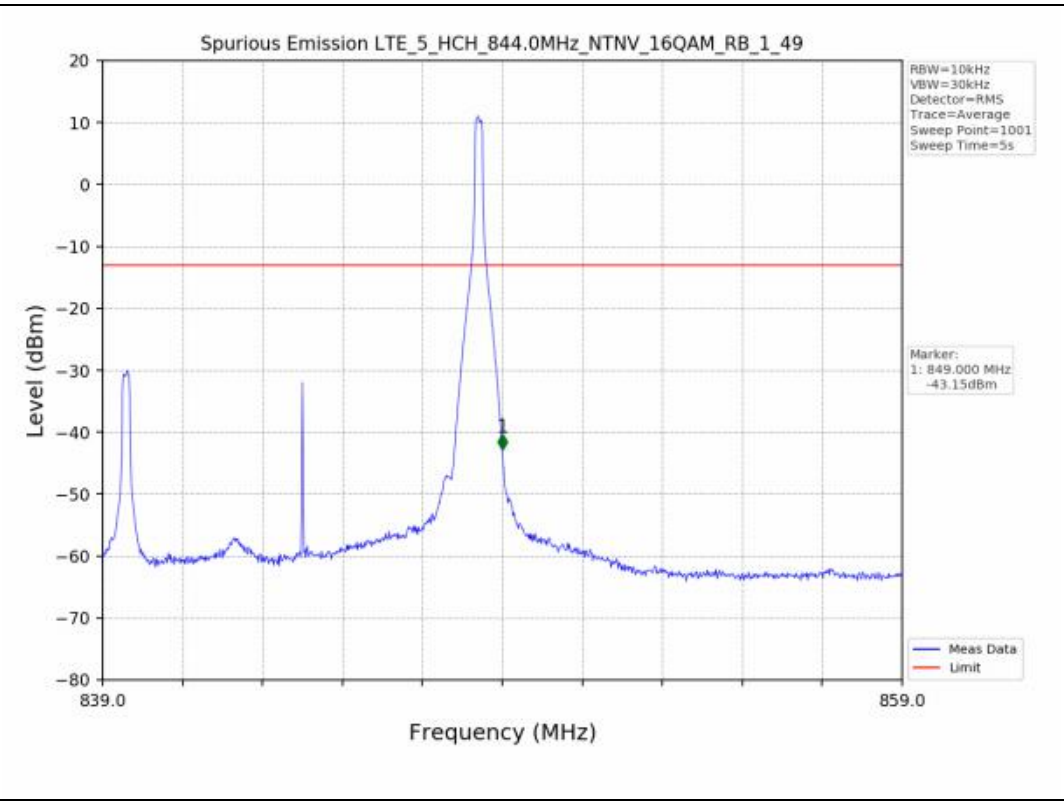

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_16QAM_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-45.84dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
814.0
834.0

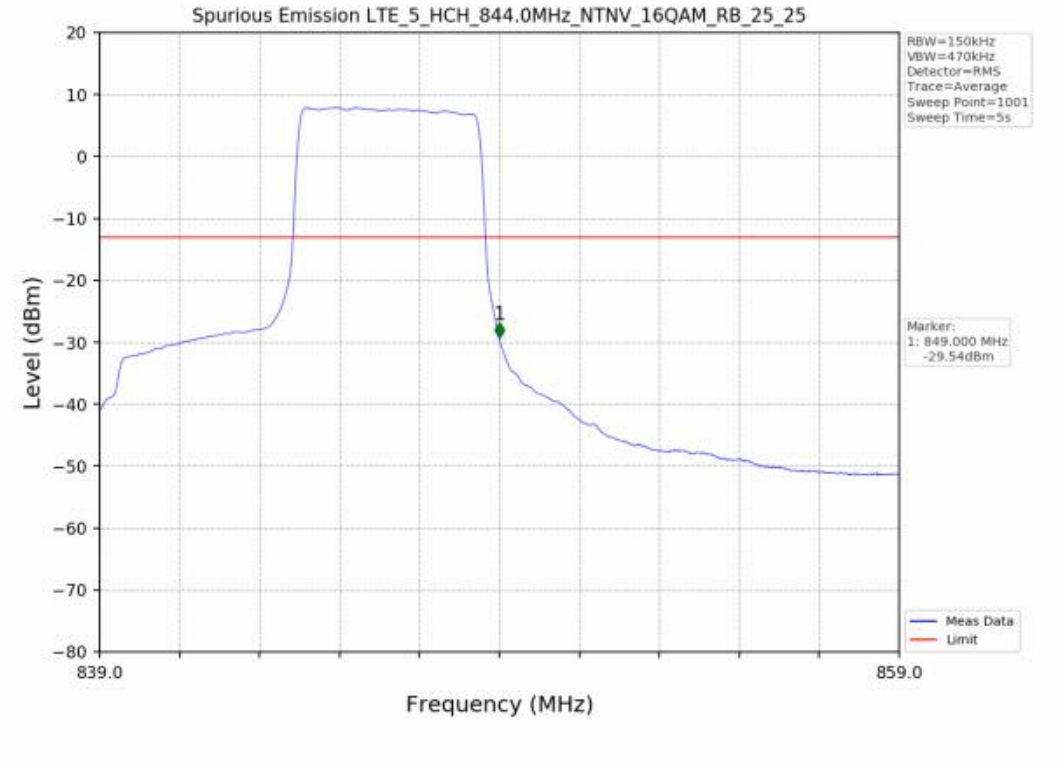

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-29.49dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
814.0
834.0

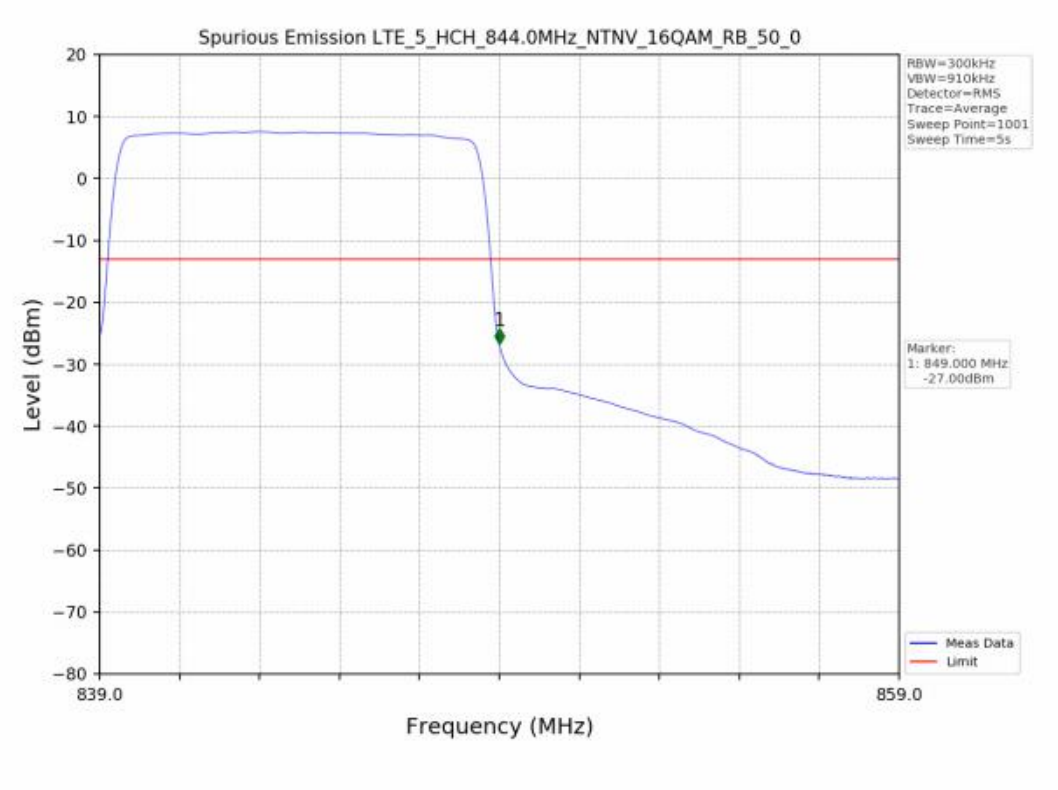

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-27.63dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
814.0
834.0

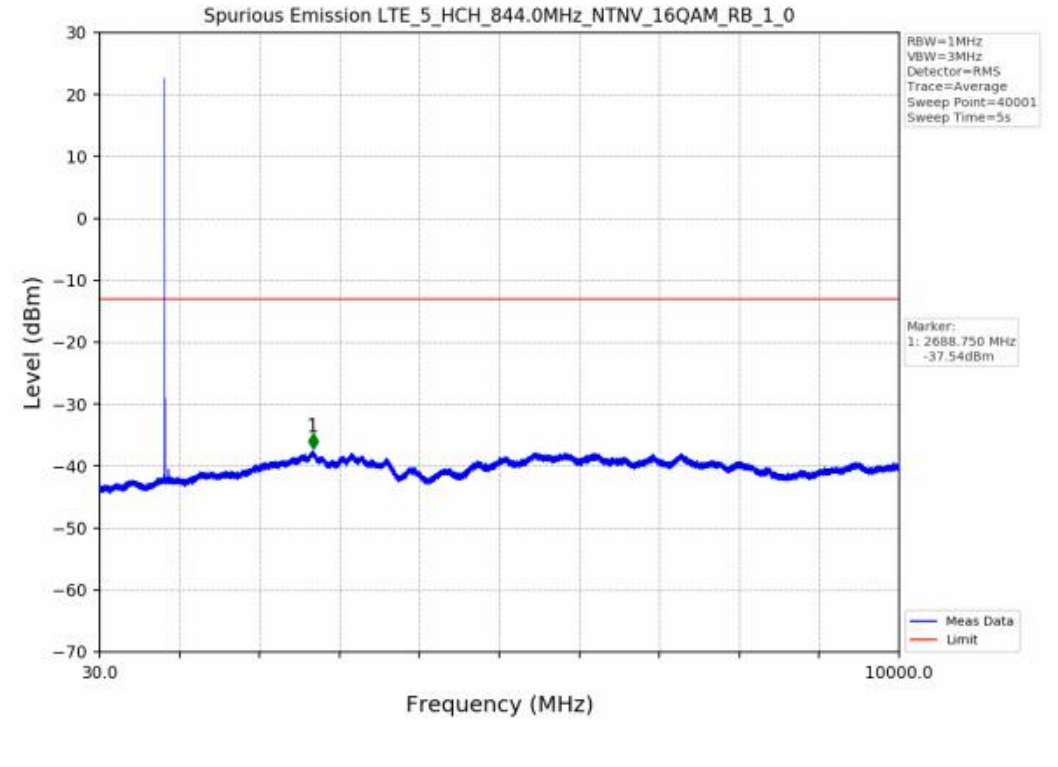

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2679.528 MHz
-43.48dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

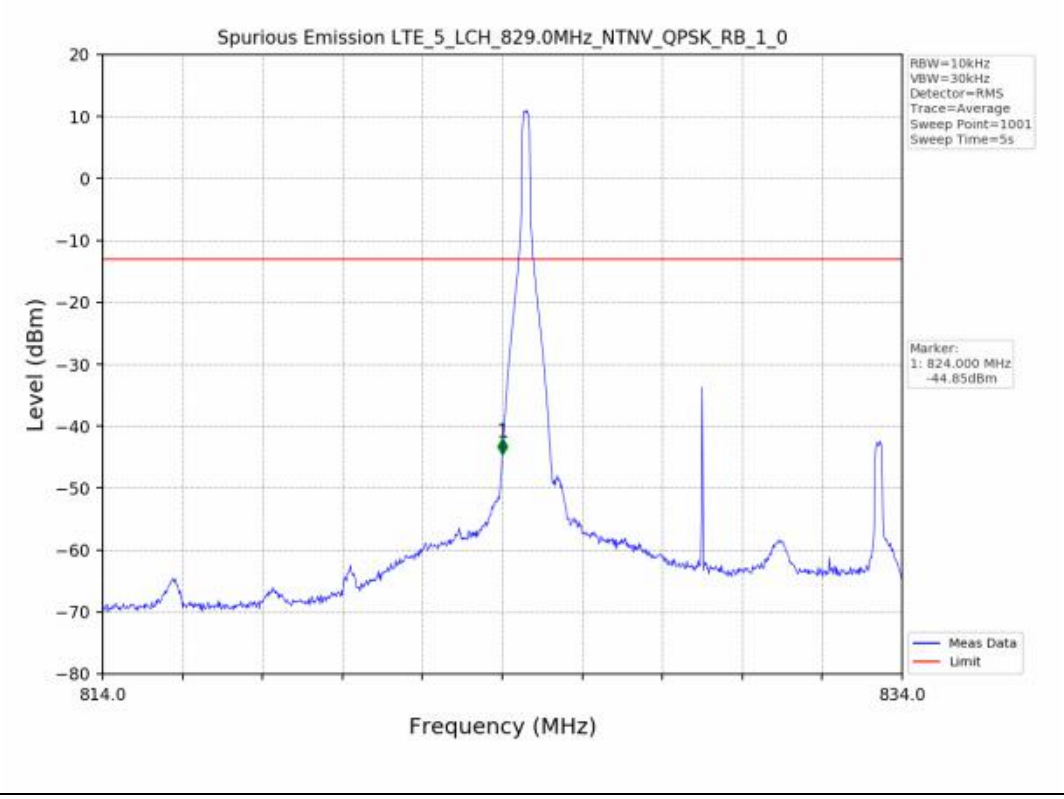

Spurious Emission LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2680.026 MHz
-43.44dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

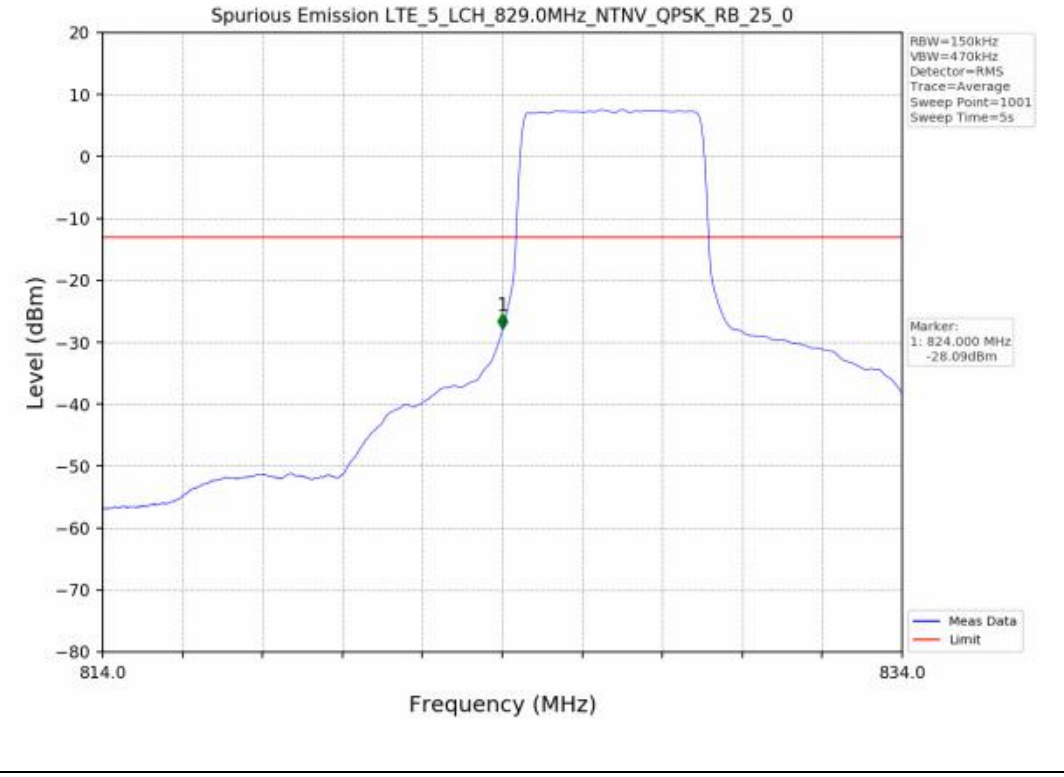

Spurious Emission LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_1_49
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-43.15dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
839.0
859.0

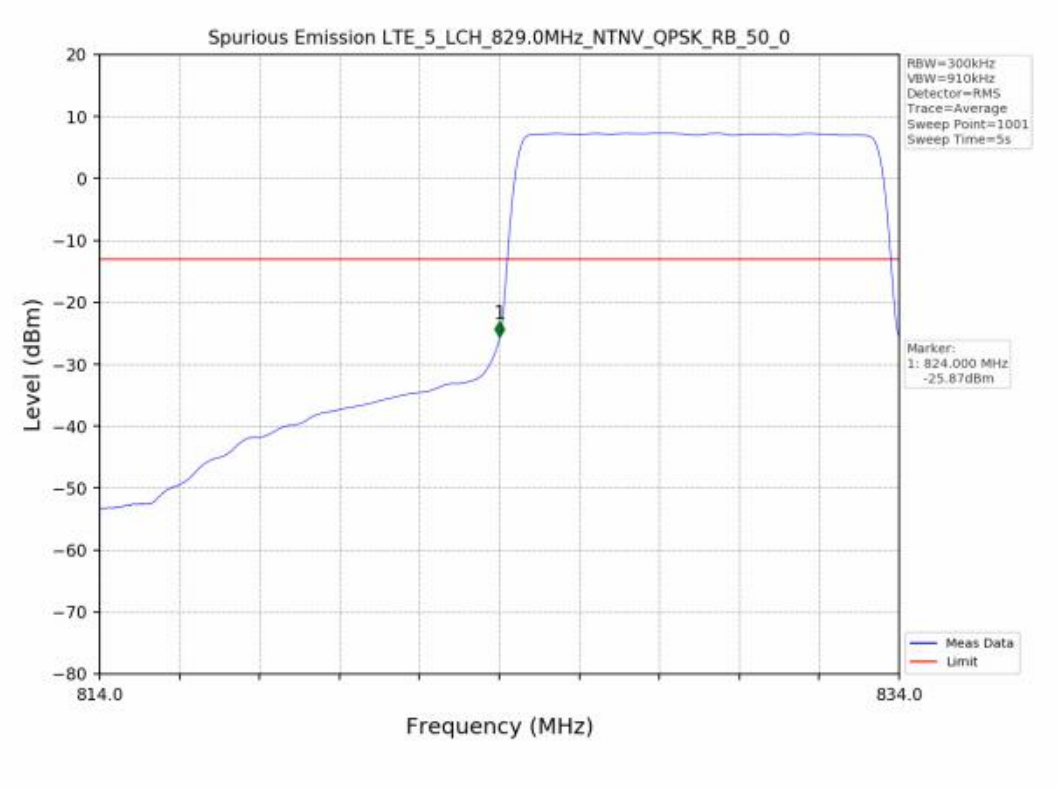

Spurious Emission LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_25_25
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-29.54dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
839.0
859.0

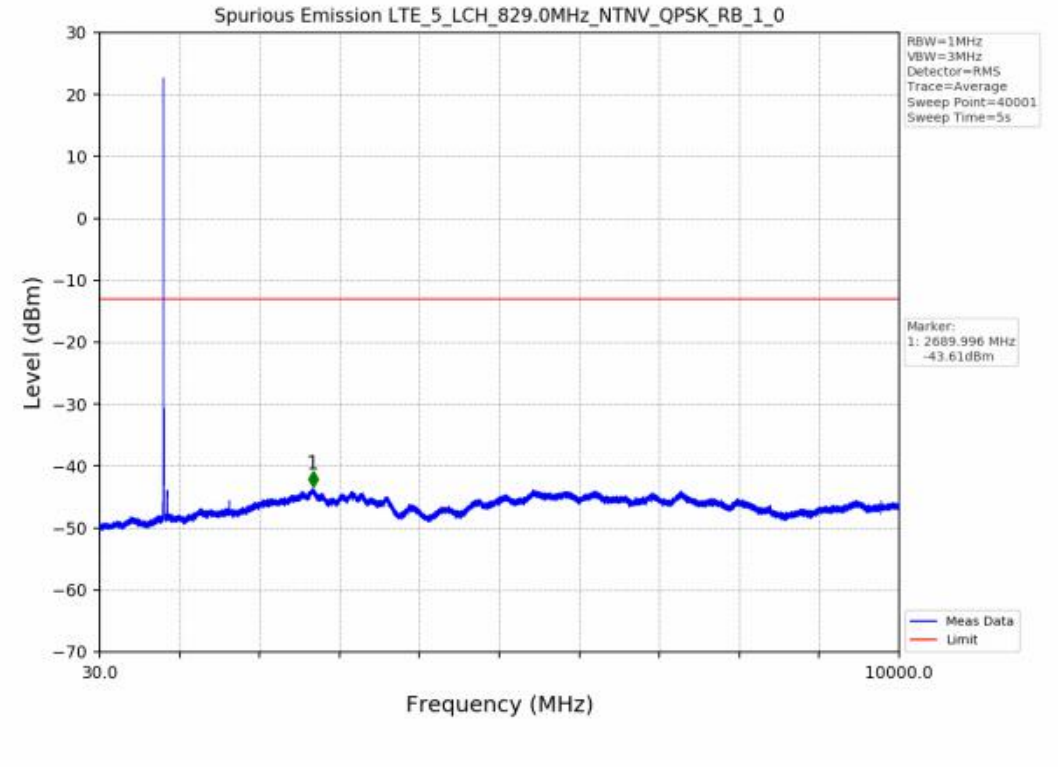

Spurious Emission LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-27.00dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
839.0
859.0

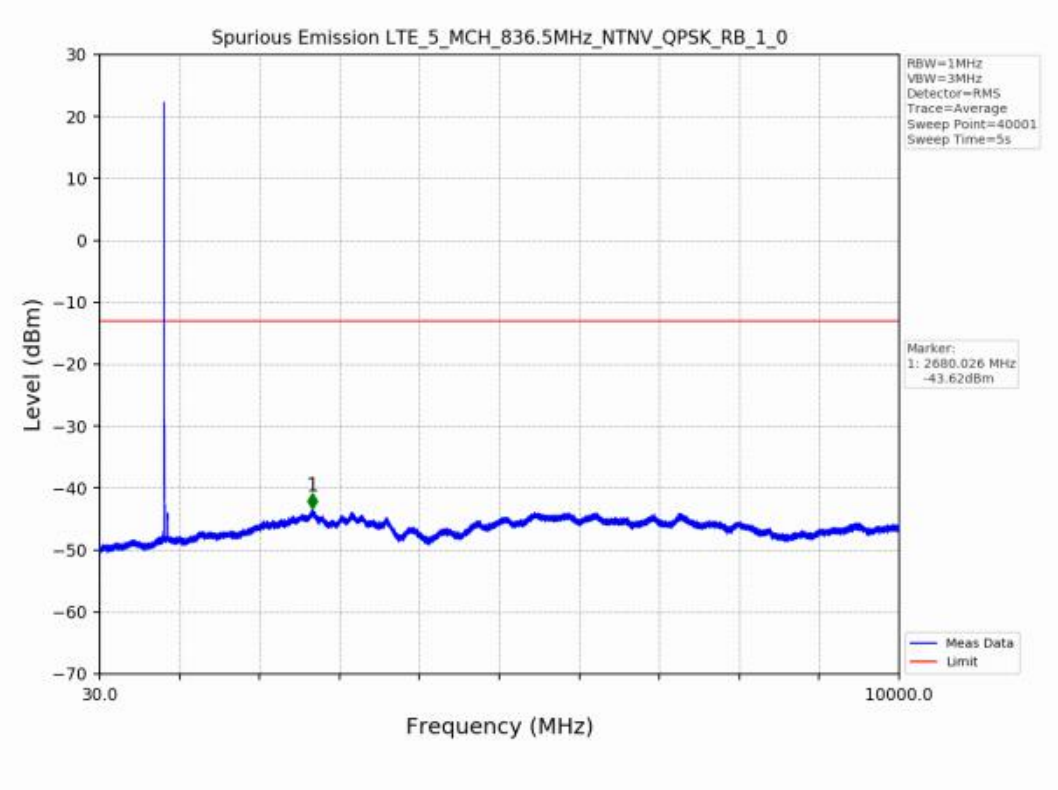

Spurious Emission LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2688.750 MHz
-37.54dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0

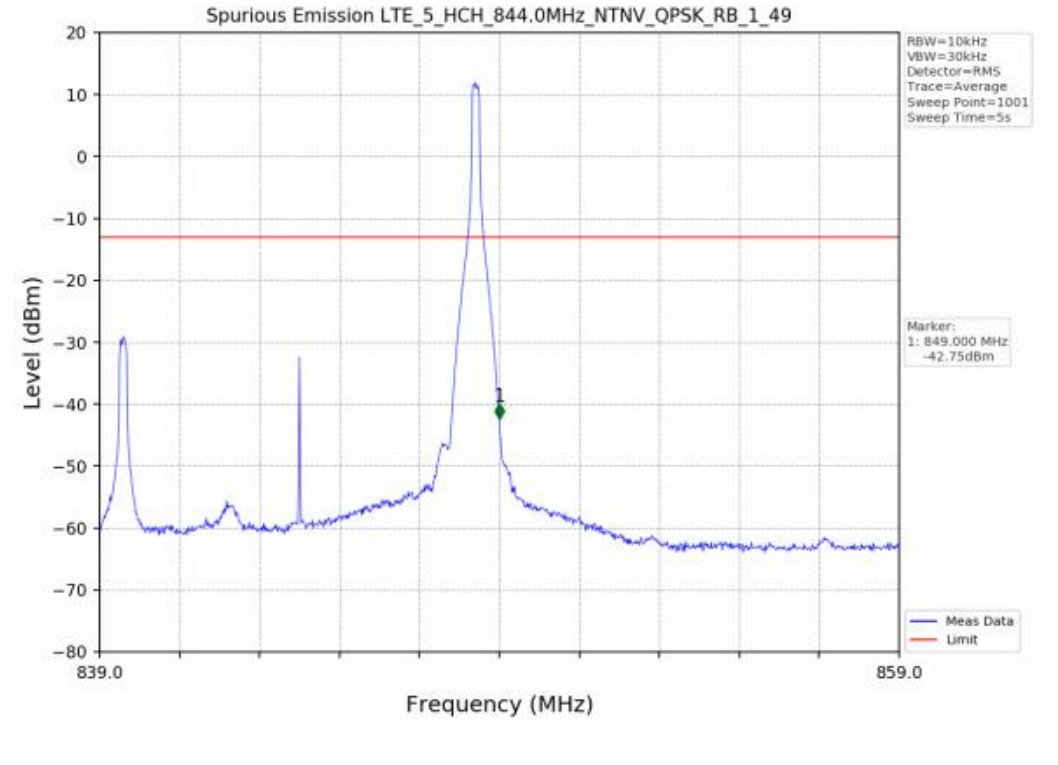

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_1_0
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-44.85dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
814.0
834.0

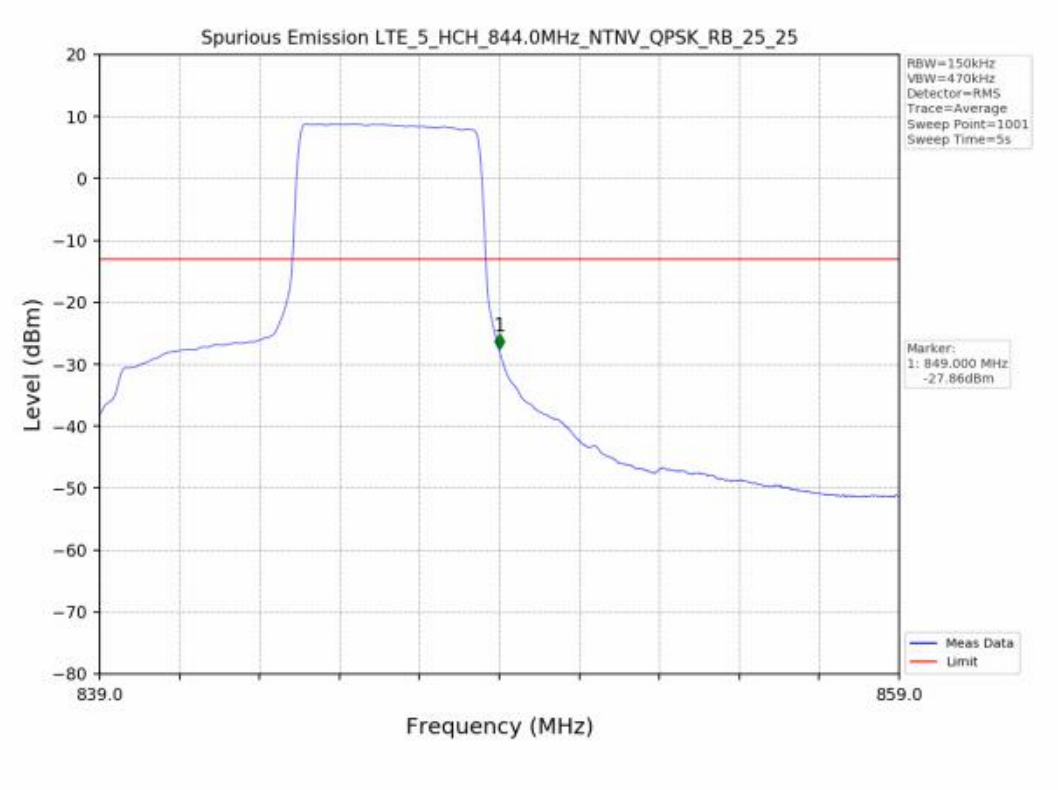

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-28.09dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
814.0
834.0

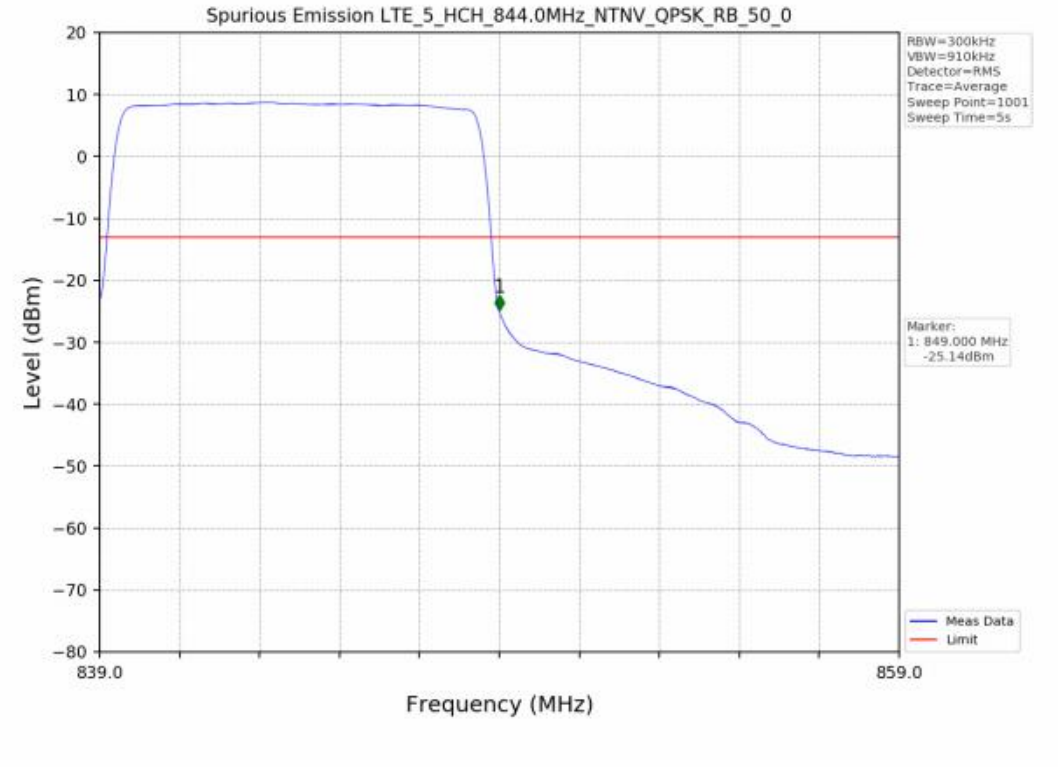

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 824.000 MHz
-25.87dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
814.0
834.0

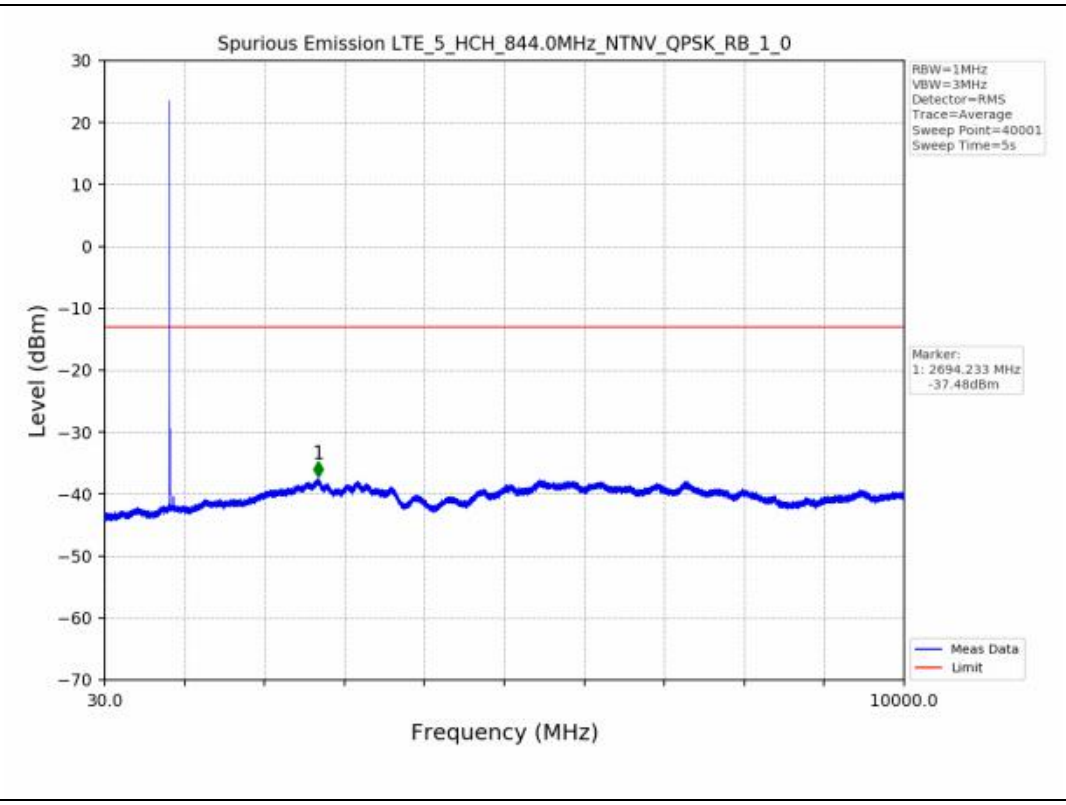

Spurious Emission LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2689.996 MHz
-43.61dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0


Spurious Emission LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2680.026 MHz
-43.62dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0


Spurious Emission LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_1_49
RBW=10kHz
VBW=30kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-42.75dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
839.0
859.0


Spurious Emission LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_25_25
RBW=150kHz
VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-27.86dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
839.0
859.0


Spurious Emission LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s
Marker:
1: 849.000 MHz
-25.14dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
839.0
859.0


Spurious Emission LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_1_0
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=Average
Sweep Point=40001
Sweep Time=5s
Marker:
1: 2694.233 MHz
-37.48dBm
Meas Data
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
1