

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 4 1.4MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	22.46	22.52	21.14	/	5	27.46	27.52	26.14	30.00	PASS	
		2	22.43	22.57	21.11	/	5	27.43	27.57	26.11	30.00	PASS	
		5	22.43	22.53	21.12	/	5	27.43	27.53	26.12	30.00	PASS	
	3	0	22.51	22.96	21.23	/	5	27.51	27.96	26.23	30.00	PASS	
		2	22.53	22.94	21.20	/	5	27.53	27.94	26.2	30.00	PASS	
		3	22.51	22.90	21.20	/	5	27.51	27.9	26.2	30.00	PASS	
	6	0	21.70	22.02	20.38	/	5	26.7	27.02	25.38	30.00	PASS	
	21.56		22.18	20.52	/	5	26.56	27.18	25.52	30.00	PASS		
	21.54		22.20	20.51	/	5	26.54	27.2	25.51	30.00	PASS		
16QAM	1	5	21.49	22.18	20.44	/	5	26.49	27.18	25.44	30.00	PASS	
		3	0	21.38	21.86	20.18	/	5	26.38	26.86	25.18	30.00	PASS
			2	21.38	21.86	20.16	/	5	26.38	26.86	25.16	30.00	PASS
	6		3	21.35	21.88	20.20	/	5	26.35	26.88	25.2	30.00	PASS
		0	20.80	21.11	19.55	/	5	25.8	26.11	24.55	30.00	PASS	
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 4 3MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	22.37	22.57	21.12	/	5	27.37	27.57	26.12	30.00	PASS	
		7	22.35	22.59	21.01	/	5	27.35	27.59	26.01	30.00	PASS	
		14	22.19	22.52	20.98	/	5	27.19	27.52	25.98	30.00	PASS	
	8	0	21.54	21.84	20.34	/	5	26.54	26.84	25.34	30.00	PASS	
		4	21.49	21.83	20.28	/	5	26.49	26.83	25.28	30.00	PASS	
		7	21.50	21.80	20.29	/	5	26.5	26.8	25.29	30.00	PASS	
	15	0	21.46	21.77	20.22	/	5	26.46	26.77	25.22	30.00	PASS	
			21.97	21.93	20.70	/	5	26.97	26.93	25.7	30.00	PASS	
		1	7	21.86	21.87	20.64	/	5	26.86	26.87	25.64	30.00	PASS
16QAM	14	21.81	21.82	20.52	/	5	26.81	26.82	25.52	30.00	PASS		
		8	0	20.95	21.11	19.46	/	5	25.95	26.11	24.46	30.00	PASS
			4	20.86	21.11	19.36	/	5	25.86	26.11	24.36	30.00	PASS
	7		20.82	21.13	19.33	/	5	25.82	26.13	24.33	30.00	PASS	
		15	0	20.70	20.91	19.39	/	5	25.7	25.91	24.39	30.00	PASS

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 4 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.46	23.06	21.29	/	5	27.46	28.06	26.29	30.00	PASS
		13	22.31	22.96	21.11	/	5	27.31	27.96	26.11	30.00	PASS
		24	22.18	22.90	21.01	/	5	27.18	27.9	26.01	30.00	PASS
	12	0	21.49	21.84	20.39	/	5	26.49	26.84	25.39	30.00	PASS
		6	21.42	21.82	20.28	/	5	26.42	26.82	25.28	30.00	PASS
		13	21.37	21.78	20.21	/	5	26.37	26.78	25.21	30.00	PASS
	25	0	21.41	21.77	20.23	/	5	26.41	26.77	25.23	30.00	PASS
		13	21.39	22.36	20.26	/	5	26.39	27.36	25.26	30.00	PASS
16QAM	1	13	21.22	22.36	20.08	/	5	26.22	27.36	25.08	30.00	PASS

		24	21.08	22.32	19.96	/	5	26.08	27.32	24.96	30.00	PASS
	12	0	20.64	20.90	19.53	/	5	25.64	25.9	24.53	30.00	PASS
		6	20.54	20.87	19.44	/	5	25.54	25.87	24.44	30.00	PASS
		13	20.49	20.84	19.34	/	5	25.49	25.84	24.34	30.00	PASS
	25	0	20.56	20.83	19.49	/	5	25.56	25.83	24.49	30.00	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 4 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.40	22.54	21.75	/	5	27.4	27.54	26.75	30.00	PASS
		25	22.11	22.65	21.35	/	5	27.11	27.65	26.35	30.00	PASS
		49	22.14	22.42	21.02	/	5	27.14	27.42	26.02	30.00	PASS
	25	0	21.38	21.75	20.65	/	5	26.38	26.75	25.65	30.00	PASS
		13	21.30	21.72	20.45	/	5	26.3	26.72	25.45	30.00	PASS
		25	21.25	21.66	20.26	/	5	26.25	26.66	25.26	30.00	PASS
16QAM	50	0	21.33	21.72	20.45	/	5	26.33	26.72	25.45	30.00	PASS
			21.73	22.09	20.88	/	5	26.73	27.09	25.88	30.00	PASS
		25	21.70	22.12	20.44	/	5	26.7	27.12	25.44	30.00	PASS
	1	49	21.68	22.03	20.11	/	5	26.68	27.03	25.11	30.00	PASS
		0	20.56	20.96	19.89	/	5	25.56	25.96	24.89	30.00	PASS
		13	20.47	20.88	19.68	/	5	25.47	25.88	24.68	30.00	PASS
	25	25	20.42	20.87	19.54	/	5	25.42	25.87	24.54	30.00	PASS
		0	20.45	20.85	19.57	/	5	25.45	25.85	24.57	30.00	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 4 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.42	22.46	22.13	/	5	27.42	27.46	27.13	30.00	PASS
		38	22.15	22.52	21.44	/	5	27.15	27.52	26.44	30.00	PASS
		74	22.44	22.25	20.87	/	5	27.44	27.25	25.87	30.00	PASS
	36	0	21.43	21.80	21.06	/	5	26.43	26.8	26.06	30.00	PASS
		18	21.34	21.81	20.74	/	5	26.34	26.81	25.74	30.00	PASS
		39	21.43	21.62	20.41	/	5	26.43	26.62	25.41	30.00	PASS
16QAM	75	0	21.38	21.70	20.72	/	5	26.38	26.7	25.72	30.00	PASS
			21.81	22.05	21.66	/	5	26.81	27.05	26.66	30.00	PASS
		38	21.57	22.13	21.03	/	5	26.57	27.13	26.03	30.00	PASS
	1	74	21.85	21.88	20.45	/	5	26.85	26.88	25.45	30.00	PASS
		0	20.53	20.96	20.24	/	5	25.53	25.96	25.24	30.00	PASS
		18	20.47	20.93	19.92	/	5	25.47	25.93	24.92	30.00	PASS
	36	39	20.55	20.84	19.56	/	5	25.55	25.84	24.56	30.00	PASS
		0	20.53	20.90	19.84	/	5	25.53	25.9	24.84	30.00	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 4 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.56	22.39	22.58	/	5	27.56	27.39	27.58	30.00	PASS
		50	22.39	22.40	21.86	/	5	27.39	27.4	26.86	30.00	PASS
		99	22.77	22.03	21.15	/	5	27.77	27.03	26.15	30.00	PASS
	50	0	21.28	21.63	21.23	/	5	26.28	26.63	26.23	30.00	PASS
		25	21.30	21.68	20.84	/	5	26.3	26.68	25.84	30.00	PASS
		50	21.49	21.46	20.44	/	5	26.49	26.46	25.44	30.00	PASS
16QAM	1	0	21.43	21.61	20.80	/	5	26.43	26.61	25.8	30.00	PASS
			21.90	22.15	21.79	/	5	26.9	27.15	26.79	30.00	PASS
		50	21.65	22.38	21.04	/	5	26.65	27.38	26.04	30.00	PASS
	50	99	22.23	21.92	20.29	/	5	27.23	26.92	25.29	30.00	PASS
		0	20.41	20.75	20.41	/	5	25.41	25.75	25.41	30.00	PASS
		25	20.43	20.76	20.03	/	5	25.43	25.76	25.03	30.00	PASS
	100	50	20.64	20.60	19.59	/	5	25.64	25.6	24.59	30.00	PASS
		0	20.53	20.72	19.97	/	5	25.53	25.72	24.97	30.00	PASS

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

2. Frequency stability

2.1 Test Result

Test Band: 4 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	-20.5278	-31.9004	-50.4398	-0.0120	-0.0184	-0.0288	2.50	PASS
				NV	-19.2404	-31.8146	-54.7457	-0.0112	-0.0184	-0.0312	2.50	PASS
				HV	-18.6396	-37.1218	-51.5127	-0.0109	-0.0214	-0.0294	2.50	PASS
16QAM	6	0	NT	LV	-19.1688	-61.9412	-39.4678	-0.0112	-0.0358	-0.0225	2.50	PASS
				NV	-18.3678	-50.1966	-38.8098	-0.0107	-0.0290	-0.0221	2.50	PASS
				HV	-21.1716	-54.5025	-37.7083	-0.0124	-0.0315	-0.0215	2.50	PASS

Test Band: 4 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	-20.7138	-41.4848	-55.8042	-0.0121	-0.0239	-0.0318	2.50	PASS
				-20.00	-20.3276	-32.8875	-53.2722	-0.0119	-0.0190	-0.0304	2.50	PASS
				-10.00	-29.0537	-42.5434	-36.4924	-0.0170	-0.0246	-0.0208	2.50	PASS
				0.00	-26.3071	-23.9897	-38.0516	-0.0154	-0.0138	-0.0217	2.50	PASS
				10.00	-29.1395	-31.5142	-38.0945	-0.0170	-0.0182	-0.0217	2.50	PASS
				20.00	-24.7192	-28.6102	-37.5795	-0.0144	-0.0165	-0.0214	2.50	PASS
				30.00	-33.4883	-37.7655	-44.7321	-0.0196	-0.0218	-0.0255	2.50	PASS
				40.00	-28.7676	-40.5407	-44.2457	-0.0168	-0.0234	-0.0252	2.50	PASS
				50.00	-27.0081	-26.0639	-43.6878	-0.0158	-0.0150	-0.0249	2.50	PASS
16QAM	6	0	NV	-30.00	-20.8426	-34.4181	-39.4392	-0.0122	-0.0199	-0.0225	2.50	PASS
				-20.00	-25.0483	-37.6654	-33.7028	-0.0146	-0.0217	-0.0192	2.50	PASS
				-10.00	-30.1695	-33.1879	-32.0292	-0.0176	-0.0192	-0.0183	2.50	PASS
				0.00	-29.1252	-33.8173	-29.1967	-0.0170	-0.0195	-0.0166	2.50	PASS
				10.00	-29.9835	-41.3418	-35.0332	-0.0175	-0.0239	-0.0200	2.50	PASS
				20.00	-32.6872	-39.6681	-29.6259	-0.0191	-0.0229	-0.0169	2.50	PASS
				30.00	-33.8030	-41.3847	-28.8677	-0.0198	-0.0239	-0.0165	2.50	PASS
				40.00	-30.2267	-38.5237	-29.2540	-0.0177	-0.0222	-0.0167	2.50	PASS

				50.00	-29.4542	-39.3820	-28.6245	-0.0172	-0.0227	-0.0163	2.50	PASS
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Test Band: 4 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	-26.4216	-33.4883	-33.7601	-0.0154	-0.0193	-0.0193	2.50	PASS
				NV	-29.4542	-35.6054	-35.1477	-0.0172	-0.0206	-0.0200	2.50	PASS
				HV	-30.9420	-22.0871	-19.6695	-0.0181	-0.0127	-0.0112	2.50	PASS
16QAM	15	0	NT	LV	-23.6177	-17.6096	-30.5271	-0.0138	-0.0102	-0.0174	2.50	PASS
				NV	-23.0026	-16.1648	-32.2866	-0.0134	-0.0093	-0.0184	2.50	PASS
				HV	-30.7417	-22.1443	-33.4597	-0.0180	-0.0128	-0.0191	2.50	PASS

Test Band: 4 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	-32.8588	-27.2226	-21.1716	-0.0192	-0.0157	-0.0121	2.50	PASS
				-20.00	-31.7001	-19.9986	-21.3718	-0.0185	-0.0115	-0.0122	2.50	PASS
				-10.00	-30.3268	-24.1041	-25.8350	-0.0177	-0.0139	-0.0147	2.50	PASS
				0.00	-35.6340	-29.6688	-21.4577	-0.0208	-0.0171	-0.0122	2.50	PASS
				10.00	-34.8902	-32.6443	-24.9481	-0.0204	-0.0188	-0.0142	2.50	PASS
				20.00	-35.5768	-36.7498	-20.8569	-0.0208	-0.0212	-0.0119	2.50	PASS
				30.00	-41.8997	-34.4753	-15.9788	-0.0245	-0.0199	-0.0091	2.50	PASS
				40.00	-43.3445	-35.0618	-11.0722	-0.0253	-0.0202	-0.0063	2.50	PASS
				50.00	-34.8043	-34.4896	-16.6082	-0.0203	-0.0199	-0.0095	2.50	PASS
16QAM	15	0	NV	-30.00	-29.5687	-26.3357	-19.7697	-0.0173	-0.0152	-0.0113	2.50	PASS
				-20.00	-40.4692	-30.9563	-16.3794	-0.0236	-0.0179	-0.0093	2.50	PASS
				-10.00	-29.7403	-30.9277	-20.0272	-0.0174	-0.0179	-0.0114	2.50	PASS
				0.00	-25.1913	-34.6327	-21.3146	-0.0147	-0.0200	-0.0122	2.50	PASS
				10.00	-16.1934	-36.4065	-23.2887	-0.0095	-0.0210	-0.0133	2.50	PASS
				20.00	-18.3392	-36.7784	-25.5060	-0.0107	-0.0212	-0.0145	2.50	PASS
				30.00	-18.6682	-38.4808	-25.0769	-0.0109	-0.0222	-0.0143	2.50	PASS
				40.00	-21.4291	-39.0100	-24.1756	-0.0125	-0.0225	-0.0138	2.50	PASS
				50.00	-20.3133	-40.8697	-23.1028	-0.0119	-0.0236	-0.0132	2.50	PASS

Test Band: 4 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	-22.5735	-28.4386	-22.4876	-0.0132	-0.0164	-0.0128	2.50	PASS
				NV	-20.0558	-29.2254	-21.2574	-0.0117	-0.0169	-0.0121	2.50	PASS
				HV	-21.8582	-20.2560	-25.3487	-0.0128	-0.0117	-0.0145	2.50	PASS
16QAM	25	0	NT	LV	-20.7567	-38.5523	-22.3446	-0.0121	-0.0223	-0.0128	2.50	PASS
				NV	-17.7813	-21.6007	-25.7921	-0.0104	-0.0125	-0.0147	2.50	PASS
				HV	-21.2860	-25.9352	-23.9038	-0.0124	-0.0150	-0.0136	2.50	PASS

Test Band: 4 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	-20.0987	-21.6579	-24.1613	-0.0117	-0.0125	-0.0138	2.50	PASS
				-20.00	-16.6368	-30.0121	-29.4685	-0.0097	-0.0173	-0.0168	2.50	PASS
				-10.00	-20.6566	-30.3125	-28.6961	-0.0121	-0.0175	-0.0164	2.50	PASS
				0.00	-19.8984	-26.3643	-28.6531	-0.0116	-0.0152	-0.0163	2.50	PASS
				10.00	-15.9502	-30.7274	-26.2070	-0.0093	-0.0177	-0.0150	2.50	PASS
				20.00	-24.2758	-32.4726	-32.2580	-0.0142	-0.0187	-0.0184	2.50	PASS
				30.00	-19.4693	-31.5857	-30.4270	-0.0114	-0.0182	-0.0174	2.50	PASS

				40.00	-25.3773	-16.5510	-28.8105	-0.0148	-0.0096	-0.0164	2.50	PASS
				50.00	-25.2914	-27.1940	-29.0108	-0.0148	-0.0157	-0.0166	2.50	PASS
16QAM	25	0	NV	-30.00	-24.7765	-18.1532	-26.2356	-0.0145	-0.0105	-0.0150	2.50	PASS
				-20.00	-25.9066	-28.2526	-20.8855	-0.0151	-0.0163	-0.0119	2.50	PASS
				-10.00	-21.5864	-22.5449	-22.7880	-0.0126	-0.0130	-0.0130	2.50	PASS
				0.00	-25.8636	-29.8691	-19.0830	-0.0151	-0.0172	-0.0109	2.50	PASS
				10.00	-35.9201	-28.2526	-21.5292	-0.0210	-0.0163	-0.0123	2.50	PASS
				20.00	-31.3568	-28.9965	-20.6280	-0.0183	-0.0167	-0.0118	2.50	PASS
				30.00	-31.1565	-30.7417	-15.3208	-0.0182	-0.0177	-0.0087	2.50	PASS
				40.00	-31.1279	-29.6402	-19.8269	-0.0182	-0.0171	-0.0113	2.50	PASS
				50.00	-32.5298	-30.4127	-19.0973	-0.0190	-0.0176	-0.0109	2.50	PASS

Test Band: 4_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	-5.7936	-5.7650	-22.8596	-0.0034	-0.0033	-0.0131	2.50	PASS
				NV	-6.8951	-7.4530	-23.6607	-0.0040	-0.0043	-0.0135	2.50	PASS
				HV	-15.6498	-16.0217	-23.1314	-0.0091	-0.0092	-0.0132	2.50	PASS
16QAM	50	0	NT	LV	-31.5857	-12.6171	-17.0946	-0.0184	-0.0073	-0.0098	2.50	PASS
				NV	-19.6552	-19.0401	-20.0558	-0.0115	-0.0110	-0.0115	2.50	PASS
				HV	-23.5748	-23.1600	-17.0803	-0.0137	-0.0134	-0.0098	2.50	PASS

Test Band: 4_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	-17.7383	-21.2717	-28.4386	-0.0103	-0.0123	-0.0163	2.50	PASS
				-20.00	-15.6927	-28.7104	-27.5374	-0.0092	-0.0166	-0.0157	2.50	PASS
				-10.00	-15.2063	-33.0162	-28.4958	-0.0089	-0.0191	-0.0163	2.50	PASS
				0.00	-20.5135	-13.2894	-28.1239	-0.0120	-0.0077	-0.0161	2.50	PASS
				10.00	-23.2744	-15.2922	-13.0463	-0.0136	-0.0088	-0.0075	2.50	PASS
				20.00	-24.3902	-20.9856	-7.2241	-0.0142	-0.0121	-0.0041	2.50	PASS
				30.00	-10.6859	-26.3357	-14.5197	-0.0062	-0.0152	-0.0083	2.50	PASS
				40.00	-13.6614	-27.6375	-10.6859	-0.0080	-0.0160	-0.0061	2.50	PASS
				50.00	-11.5299	-27.0939	-9.9278	-0.0067	-0.0156	-0.0057	2.50	PASS
16QAM	50	0	NV	-30.00	-26.2642	-30.3984	-18.1675	-0.0153	-0.0175	-0.0104	2.50	PASS
				-20.00	-23.1600	-28.1668	-14.7486	-0.0135	-0.0163	-0.0084	2.50	PASS
				-10.00	-20.4706	-21.4434	-17.3092	-0.0119	-0.0124	-0.0099	2.50	PASS
				0.00	-26.7220	-19.5265	-14.5054	-0.0156	-0.0113	-0.0083	2.50	PASS
				10.00	-31.2281	-18.7683	-21.1716	-0.0182	-0.0108	-0.0121	2.50	PASS
				20.00	-19.2690	-24.9195	-20.9427	-0.0112	-0.0144	-0.0120	2.50	PASS
				30.00	-17.8528	-21.6150	-17.3235	-0.0104	-0.0125	-0.0099	2.50	PASS
				40.00	-19.7554	-20.7996	-16.5939	-0.0115	-0.0120	-0.0095	2.50	PASS
				50.00	-13.2608	-21.7295	-22.3303	-0.0077	-0.0125	-0.0128	2.50	PASS

Test Band: 4_15MHz 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	75	0	NT	LV	1.0443	-9.4414	-10.0851	0.0006	-0.0054	-0.0058	2.50	PASS
				NV	4.0054	-16.1791	-6.8378	0.0023	-0.0093	-0.0039	2.50	PASS
				HV	-2.1172	-16.9516	-4.7207	-0.0012	-0.0098	-0.0027	2.50	PASS
16QAM	75	0	NT	LV	-19.4836	-16.0503	-3.6335	-0.0113	-0.0093	-0.0021	2.50	PASS
				NV	-25.4917	-12.1450	-6.6090	-0.0148	-0.0070	-0.0038	2.50	PASS
				HV	-15.8358	-11.6158	-6.7377	-0.0092	-0.0067	-0.0039	2.50	PASS

Test Band: 4 15MHz 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	75	0	NV	-30.00	-5.1785	-23.6320	-13.0892	-0.0030	-0.0136	-0.0075	2.50	PASS
				-20.00	-1.4305	-9.4557	-11.2724	-0.0008	-0.0055	-0.0065	2.50	PASS
				-10.00	0.6294	-13.3753	-12.6028	0.0004	-0.0077	-0.0072	2.50	PASS
				0.00	4.6635	-17.5238	-16.7799	0.0027	-0.0101	-0.0096	2.50	PASS
				10.00	-0.6294	-24.2758	-16.9516	-0.0004	-0.0140	-0.0097	2.50	PASS
				20.00	-5.8937	-28.7533	-15.2206	-0.0034	-0.0166	-0.0087	2.50	PASS
				30.00	-9.5987	-27.0796	-20.2131	-0.0056	-0.0156	-0.0116	2.50	PASS
				40.00	-8.7976	-29.8119	-21.1286	-0.0051	-0.0172	-0.0121	2.50	PASS
16QAM	75	0	NV	50.00	-2.8610	-13.0606	-23.8466	-0.0017	-0.0075	-0.0136	2.50	PASS
				-30.00	-8.2397	-23.2744	-6.2370	-0.0048	-0.0134	-0.0036	2.50	PASS
				-20.00	-4.2772	-19.9270	-13.4039	-0.0025	-0.0115	-0.0077	2.50	PASS
				-10.00	-8.4543	-11.4727	-8.1396	-0.0049	-0.0066	-0.0047	2.50	PASS
				0.00	-10.6859	-9.5558	-6.1226	-0.0062	-0.0055	-0.0035	2.50	PASS
				10.00	-6.1083	-14.4196	-1.6451	-0.0036	-0.0083	-0.0009	2.50	PASS
				20.00	-3.6049	-17.9672	-1.7738	-0.0021	-0.0104	-0.0010	2.50	PASS
				30.00	-7.8106	-14.9202	-4.7922	-0.0045	-0.0086	-0.0027	2.50	PASS
				40.00	-2.7323	-15.9502	-5.7220	-0.0016	-0.0092	-0.0033	2.50	PASS
				50.00	-4.2629	-19.3119	-9.1410	-0.0025	-0.0111	-0.0052	2.50	PASS

Test Band: 4 20MHz 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	100	0	NT	LV	-21.8868	-17.8242	-4.8780	-0.0127	-0.0103	-0.0028	2.50	PASS
				NV	-15.6927	-25.0483	-5.8222	-0.0091	-0.0145	-0.0033	2.50	PASS
				HV	-14.1621	-22.6593	-5.3787	-0.0082	-0.0131	-0.0031	2.50	PASS
16QAM	100	0	NT	LV	-16.8657	-21.5721	-15.6069	-0.0098	-0.0125	-0.0089	2.50	PASS
				NV	-15.0919	-23.1600	-11.3726	-0.0088	-0.0134	-0.0065	2.50	PASS
				HV	-18.4393	-25.3487	-9.7561	-0.0107	-0.0146	-0.0056	2.50	PASS

Test Band: 4 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	-18.6825	-29.0966	-9.9421	-0.0109	-0.0168	-0.0057	2.50	PASS
				-20.00	-17.3235	-18.5823	-10.6430	-0.0101	-0.0107	-0.0061	2.50	PASS
				-10.00	-16.5939	-19.2404	-12.3453	-0.0096	-0.0111	-0.0071	2.50	PASS
				0.00	-16.1076	-22.8882	-15.1205	-0.0094	-0.0132	-0.0087	2.50	PASS
				10.00	-14.3480	-25.2771	-5.0926	-0.0083	-0.0146	-0.0029	2.50	PASS
				20.00	-17.8814	-27.1368	-3.1042	-0.0104	-0.0157	-0.0018	2.50	PASS
				30.00	-16.4080	-25.6062	-7.5817	-0.0095	-0.0148	-0.0043	2.50	PASS
				40.00	-16.3078	-26.4502	-7.7820	-0.0095	-0.0153	-0.0045	2.50	PASS
16QAM	100	0	NV	50.00	-20.6709	-25.4631	-8.6832	-0.0120	-0.0147	-0.0050	2.50	PASS
				-30.00	-15.7928	-7.6389	-13.9761	-0.0092	-0.0044	-0.0080	2.50	PASS
				-20.00	-13.0749	-12.2595	-8.4829	-0.0076	-0.0071	-0.0049	2.50	PASS
				-10.00	-10.4284	-15.3923	-19.1546	-0.0061	-0.0089	-0.0110	2.50	PASS
				0.00	-13.8474	-11.4441	-16.0790	-0.0081	-0.0066	-0.0092	2.50	PASS
				10.00	-11.3154	-10.4427	-19.9127	-0.0066	-0.0060	-0.0114	2.50	PASS
				20.00	-15.2063	-10.0851	-22.9025	-0.0088	-0.0058	-0.0131	2.50	PASS
				30.00	-6.5088	-12.7888	-23.4175	-0.0038	-0.0074	-0.0134	2.50	PASS
				40.00	-2.5606	-16.8371	-22.5735	-0.0015	-0.0097	-0.0129	2.50	PASS
				50.00	-8.4972	-15.3494	-23.2029	-0.0049	-0.0089	-0.0133	2.50	PASS

3. 99% & 26dB Bandwidth

Global United Technology Services Co., Ltd.

No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone,

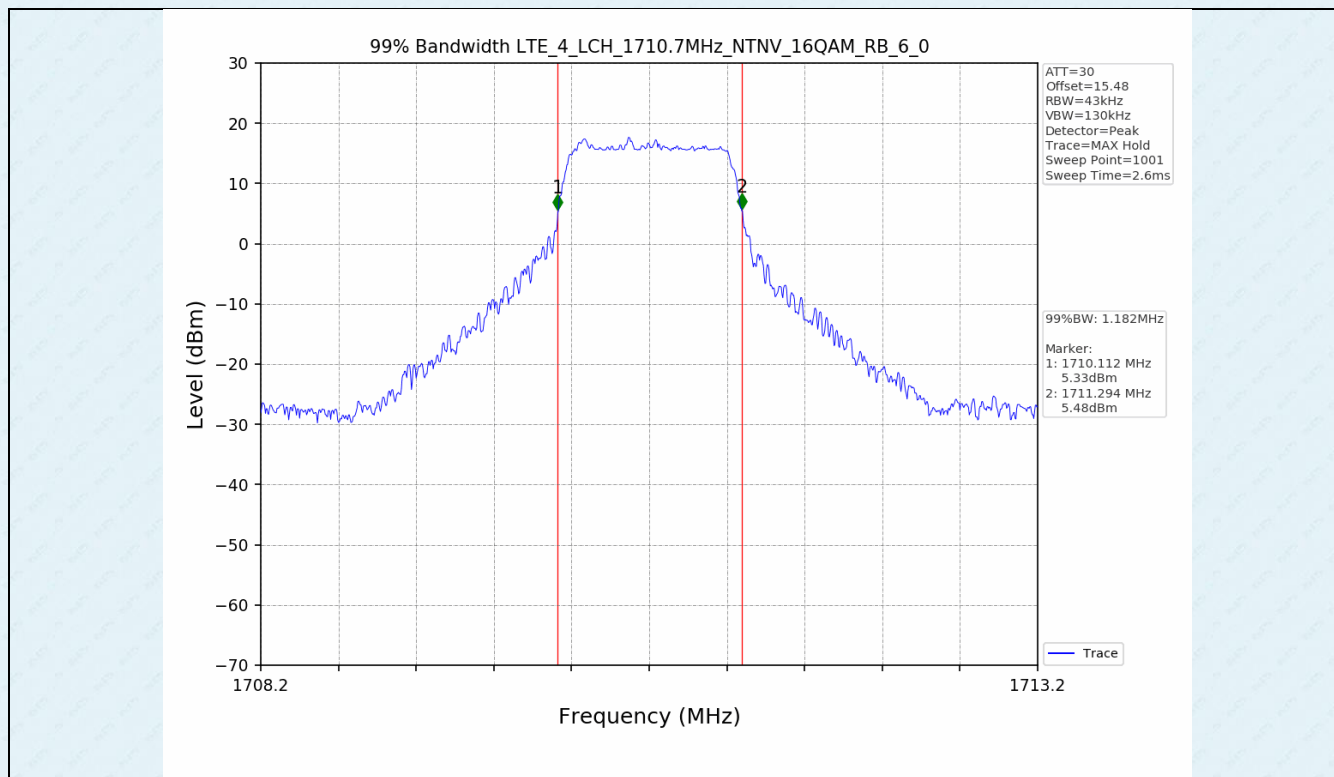
Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

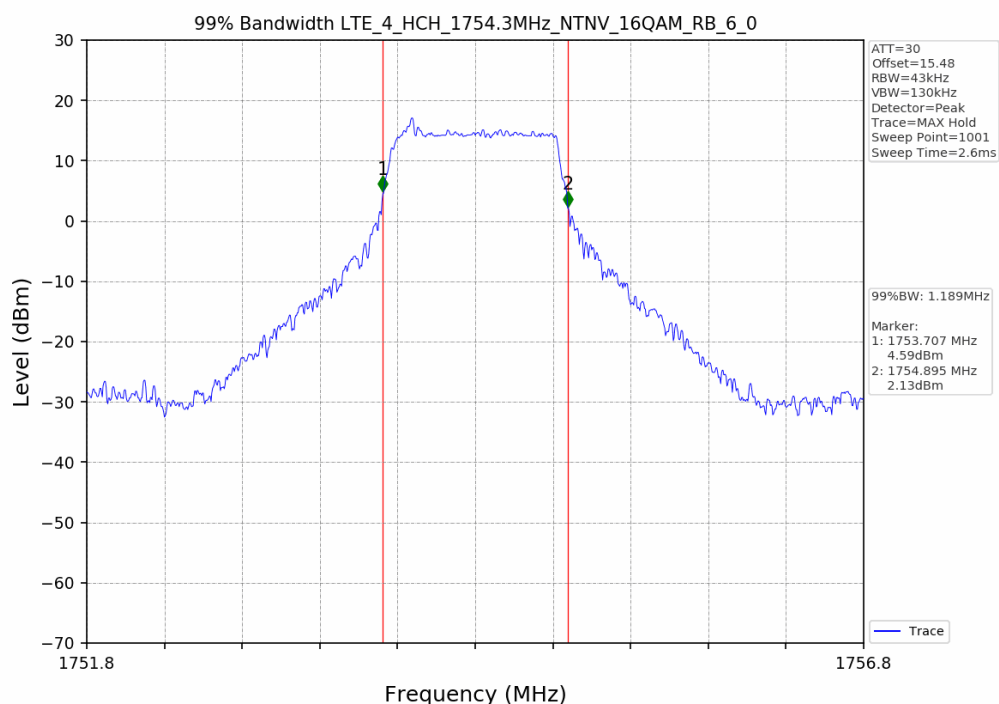
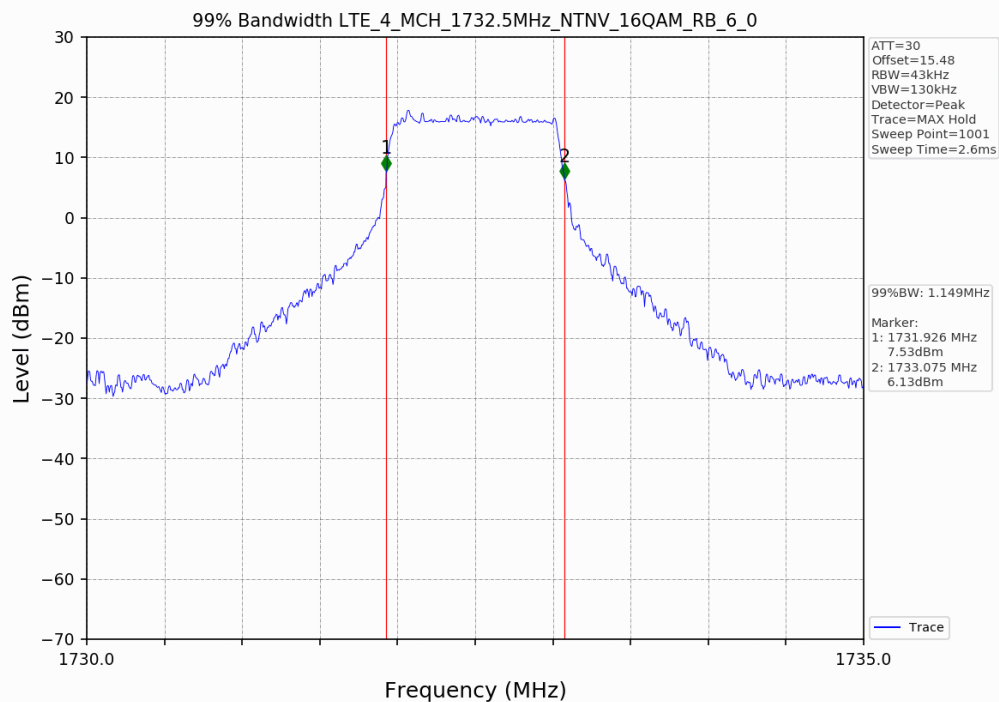
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 27798960

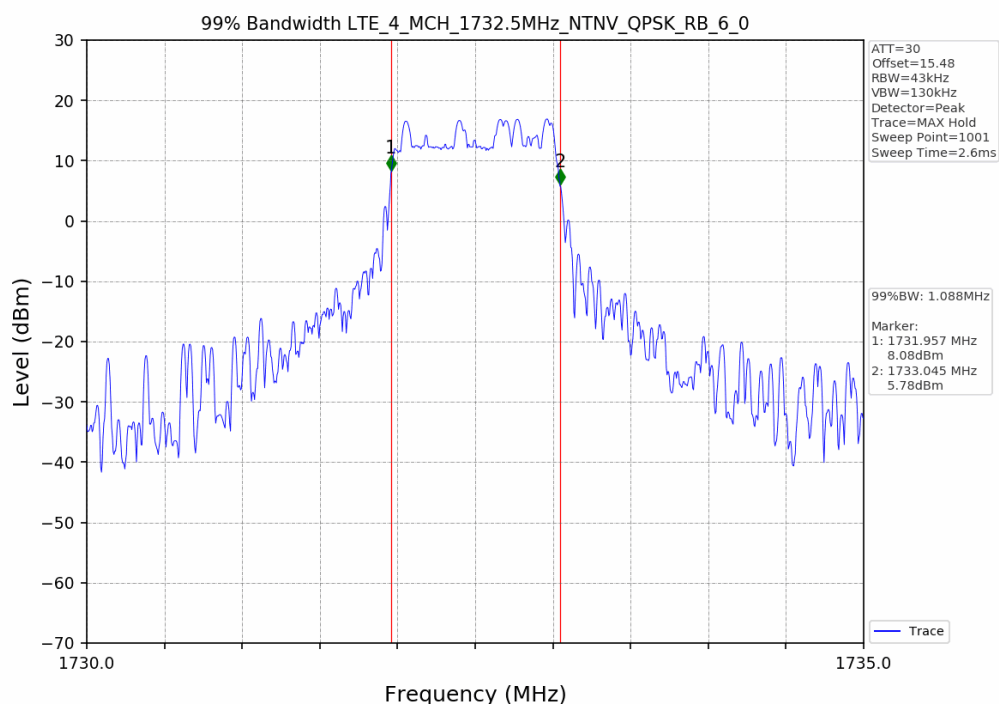
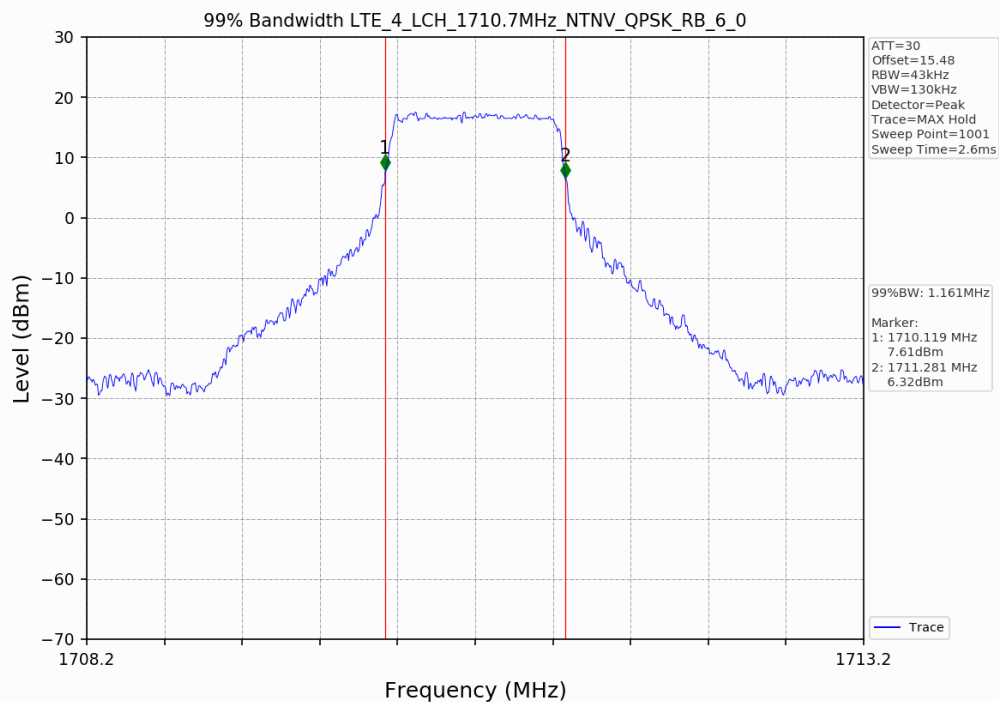
3.1 Test Result

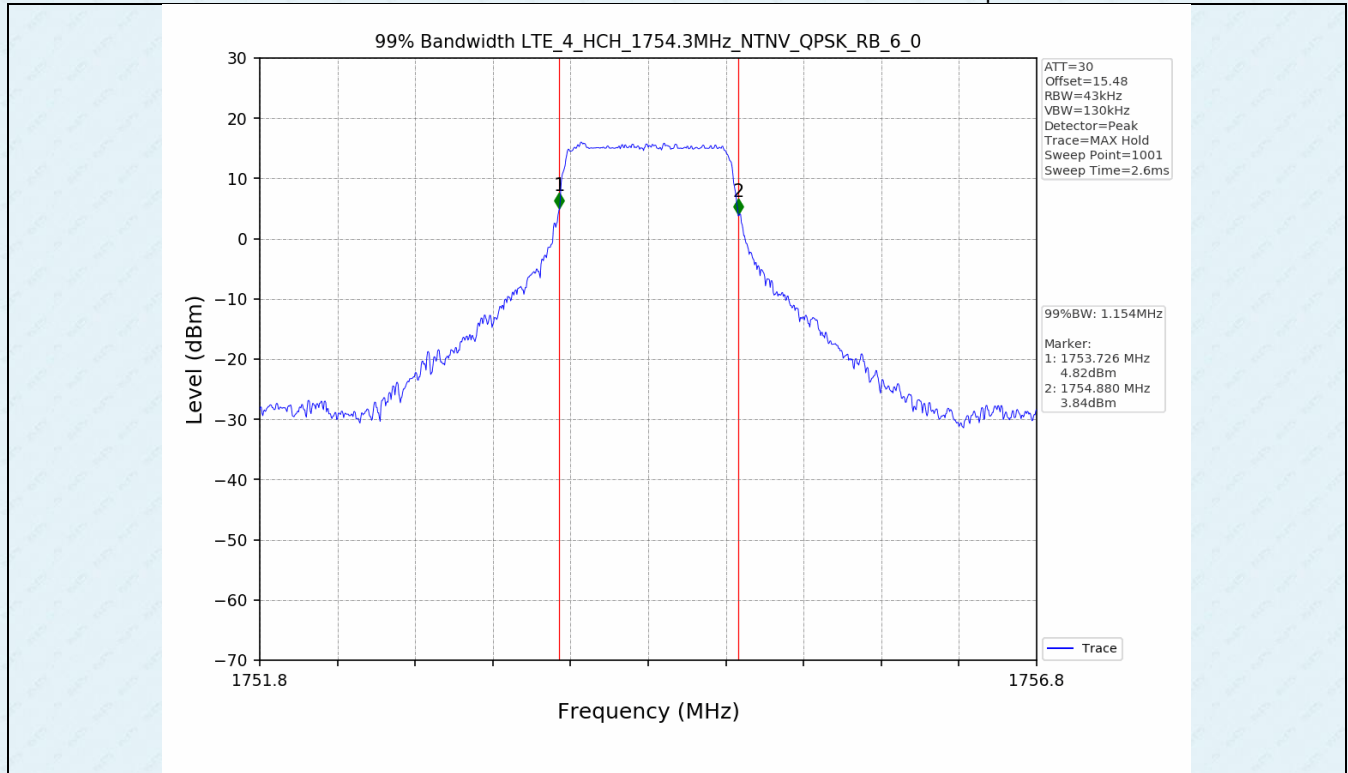
Test Band: 4 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.161	1.088	1.154	N/A	PASS
16QAM	6	0	1.182	1.149	1.189	N/A	PASS

3.2 Test Graph



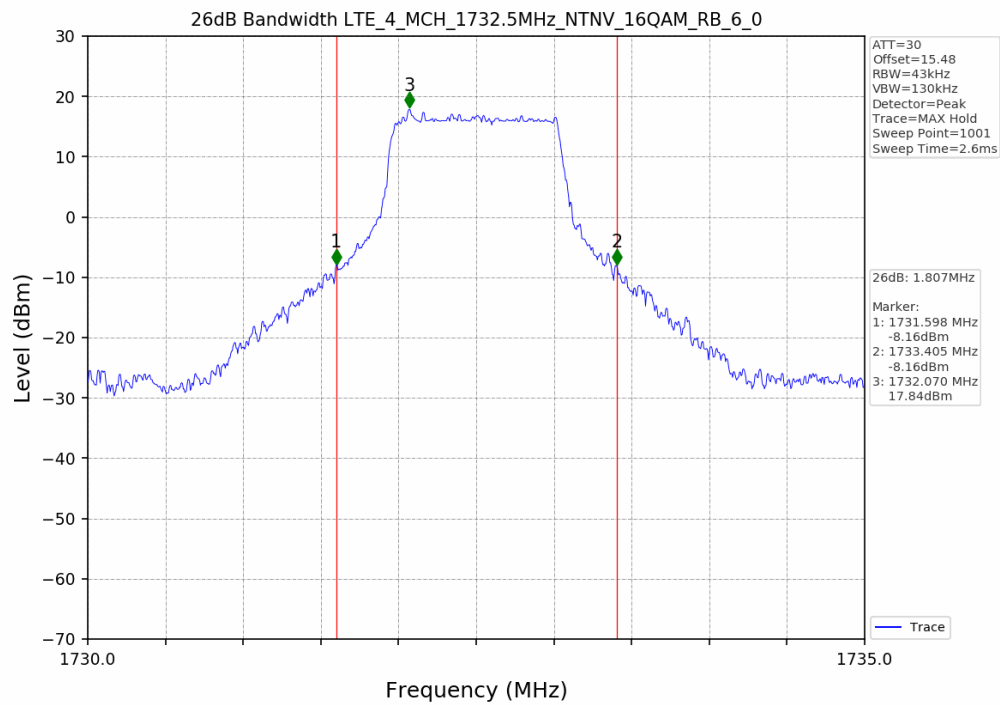
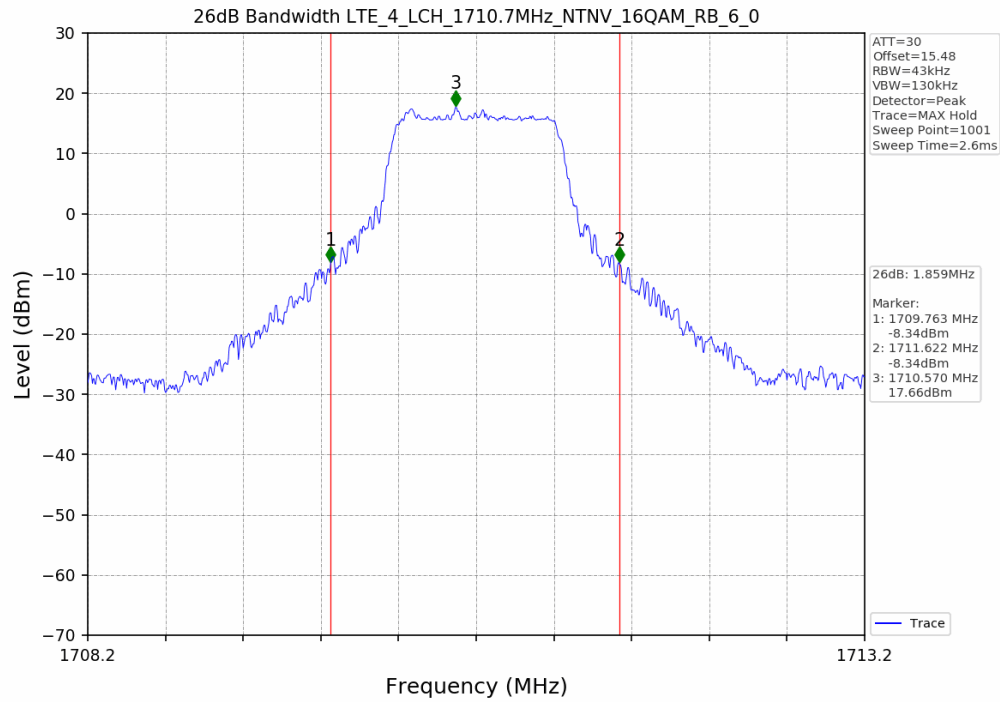


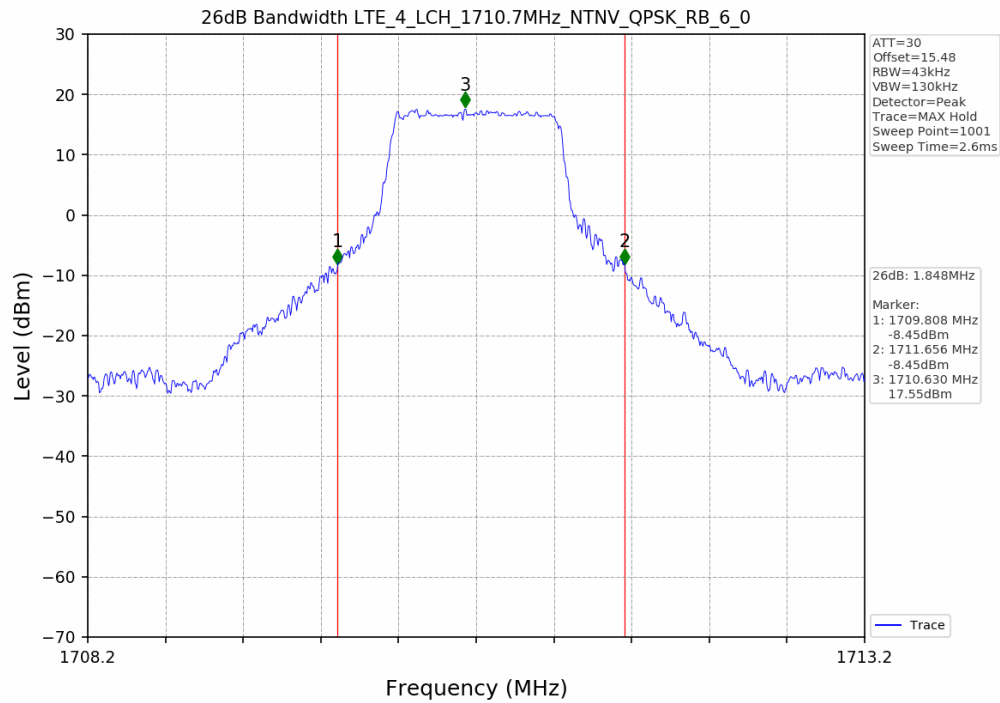
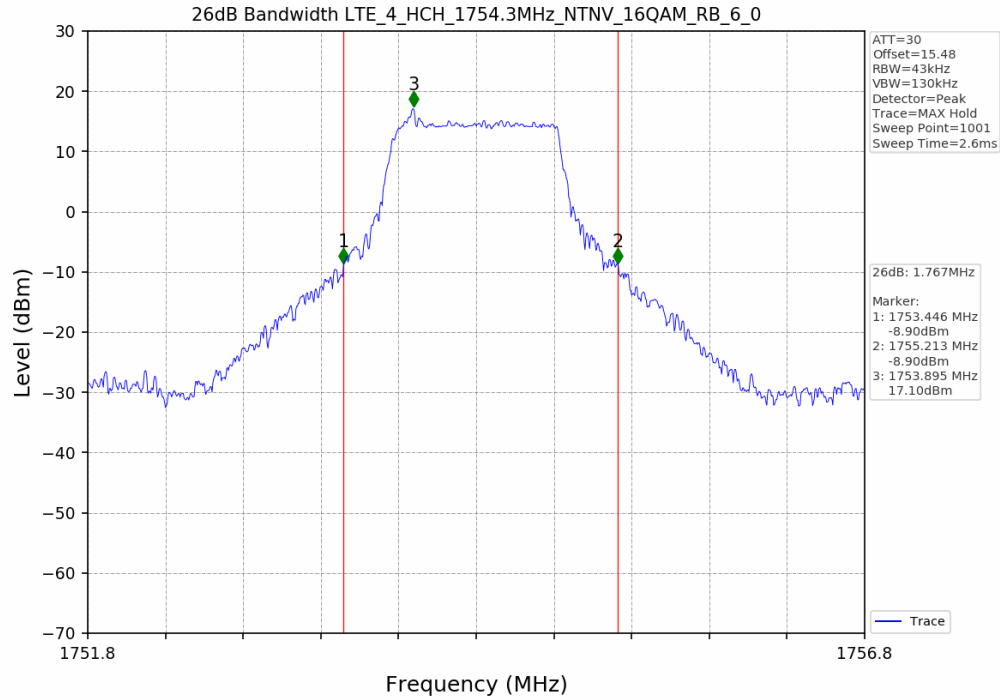


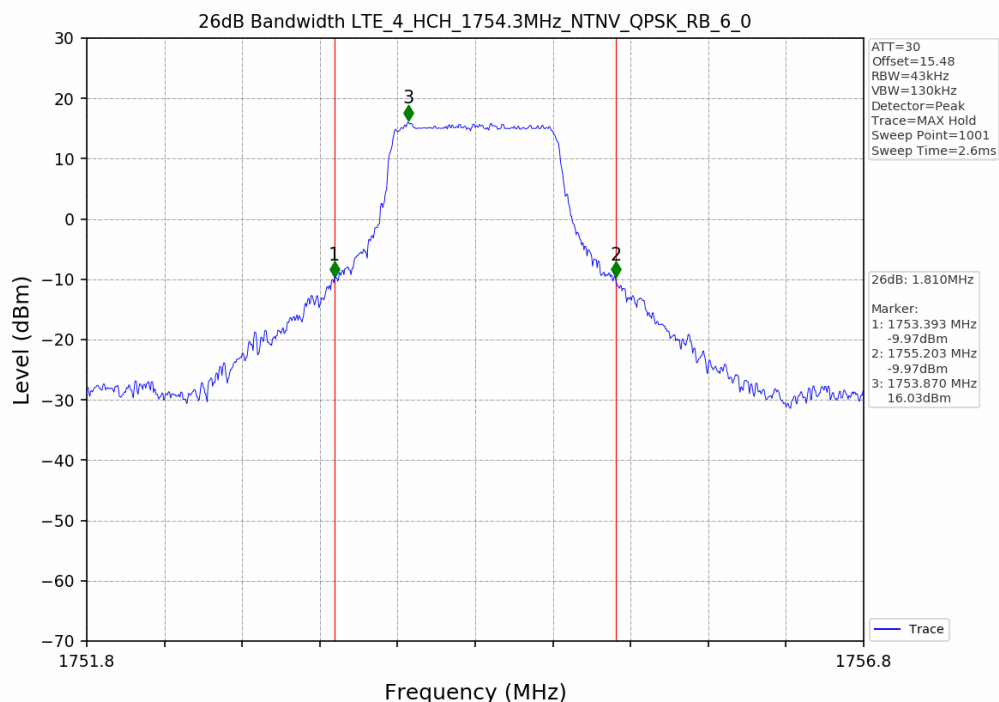
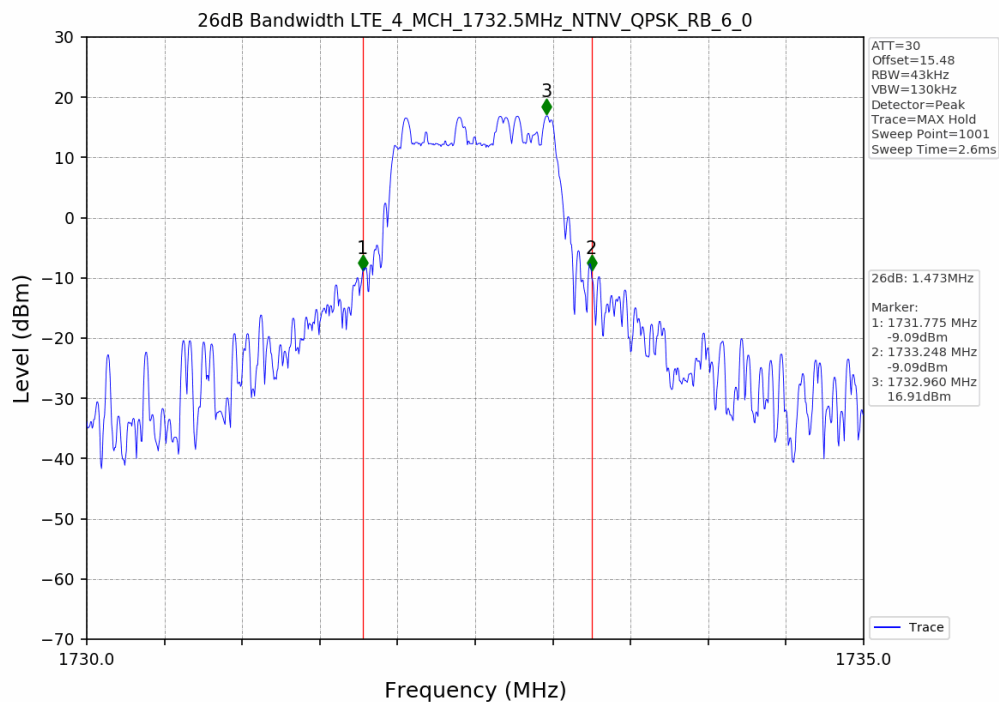


Test Band: 4 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.848	1.473	1.810	N/A	PASS
16QAM	6	0	1.859	1.807	1.767	N/A	PASS

3.2 Test Graph



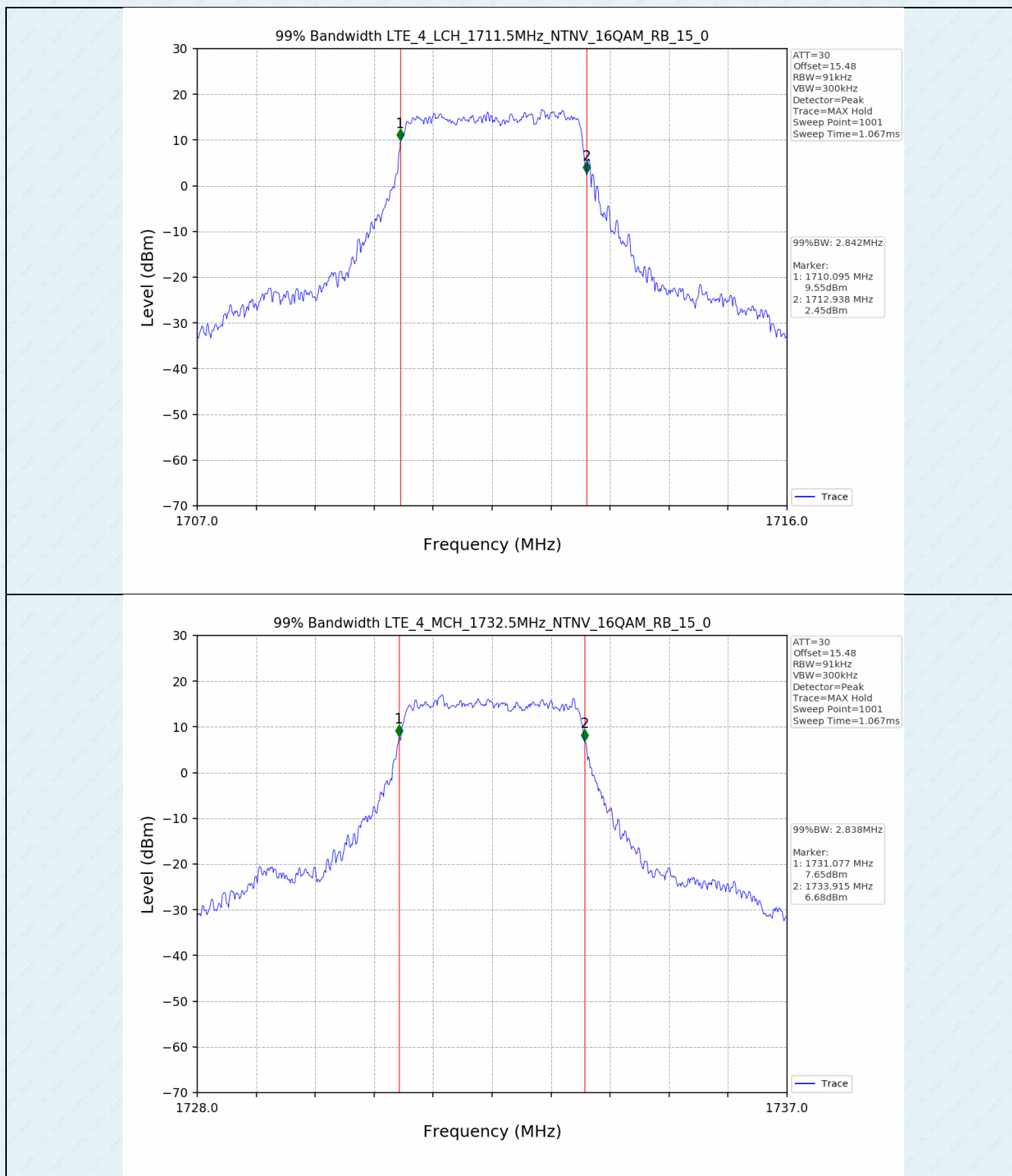


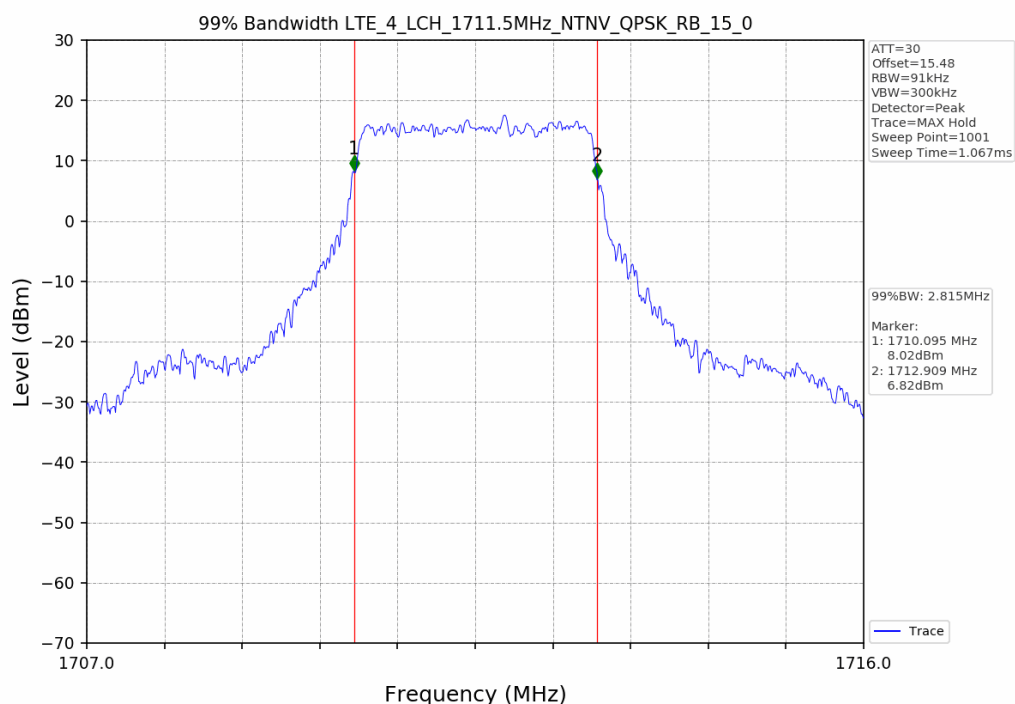
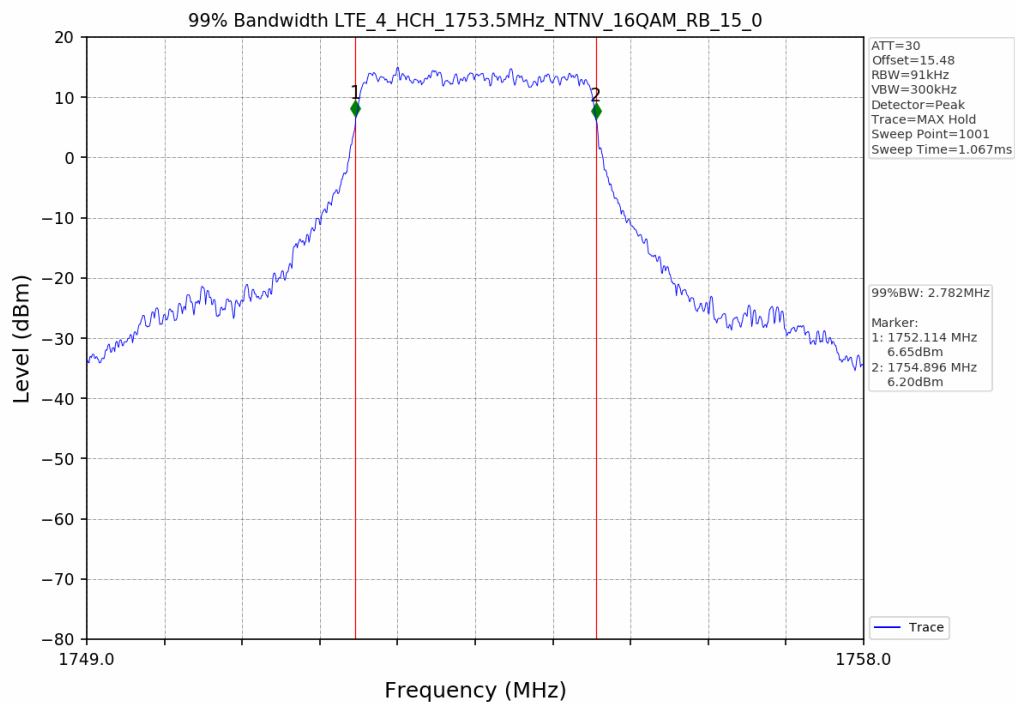


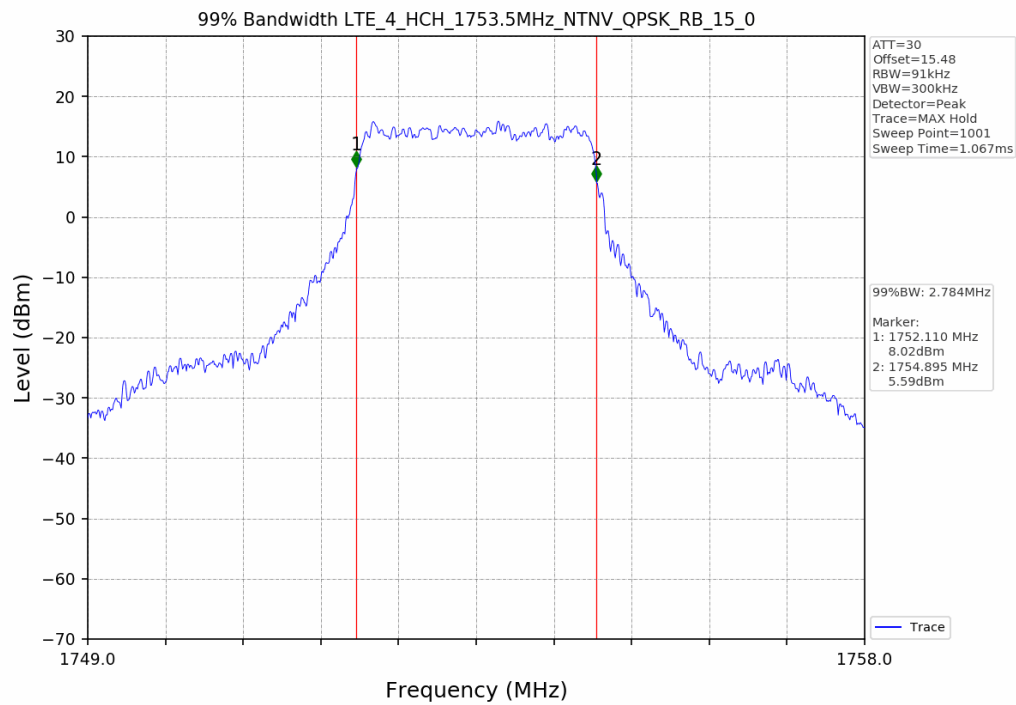
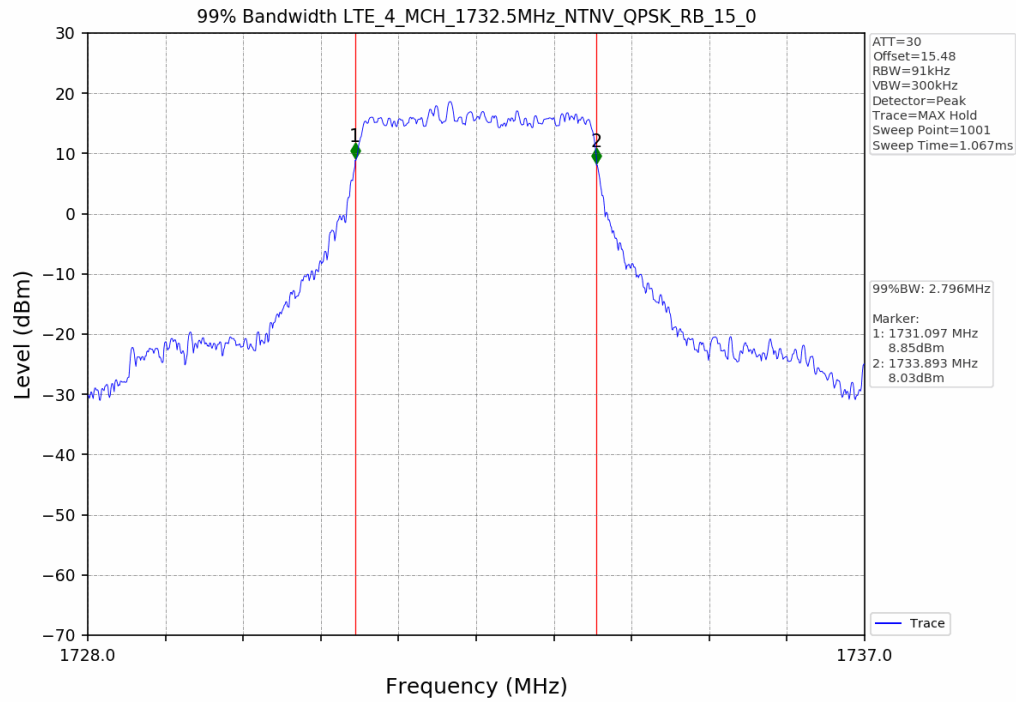
Test Band: 4 3MHz Bandwidth						
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	15	0	2.815	2.796	2.784	N/A	PASS
16QAM	15	0	2.842	2.838	2.782	N/A	PASS

3.2 Test Graph



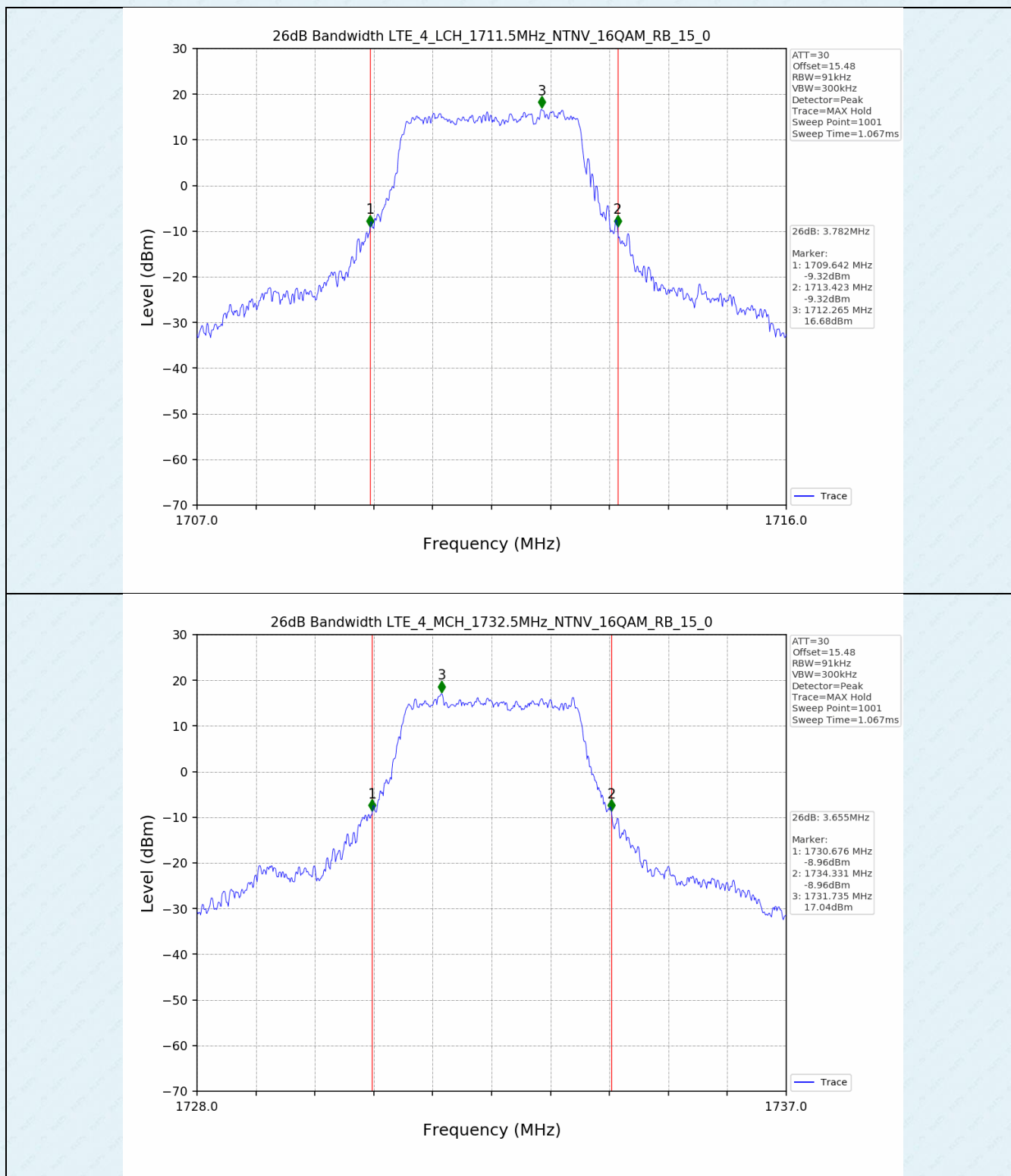


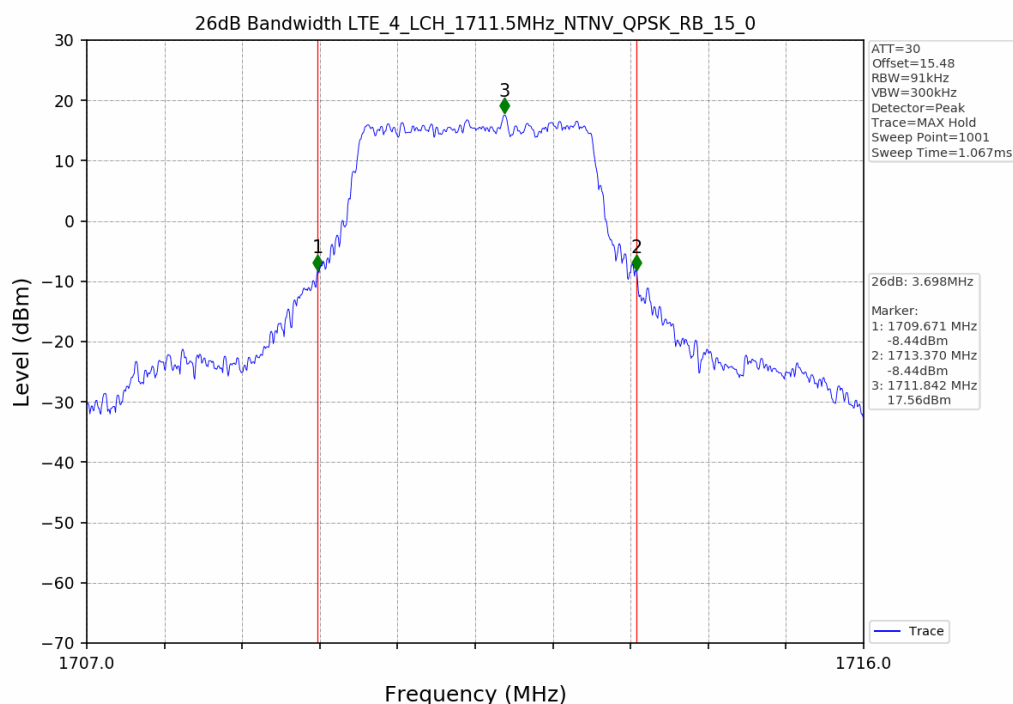
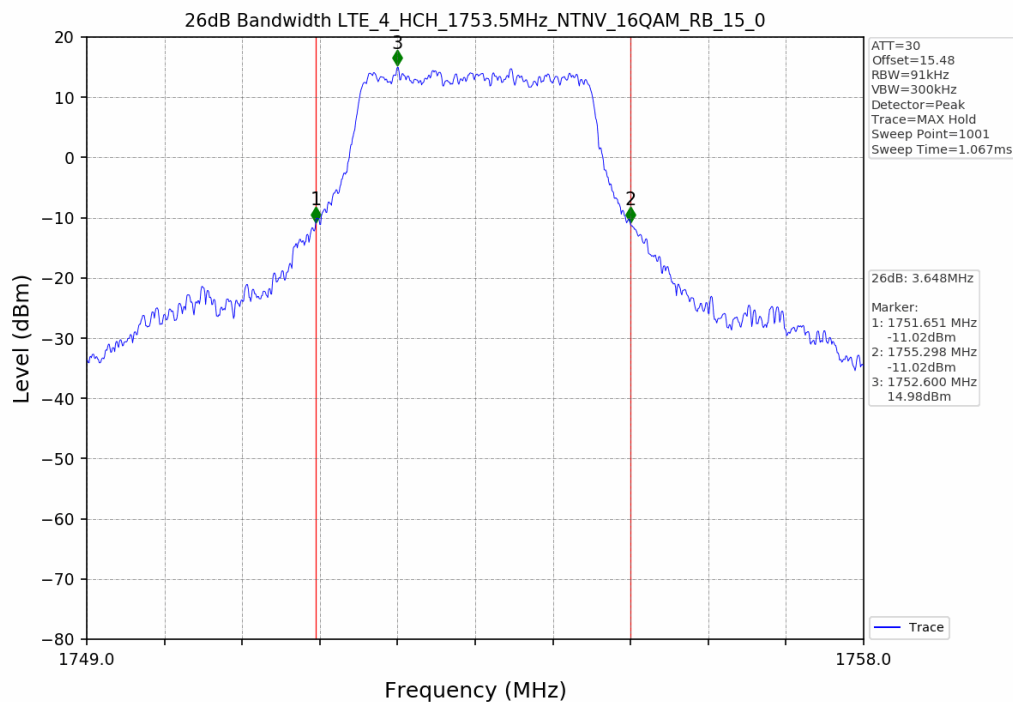


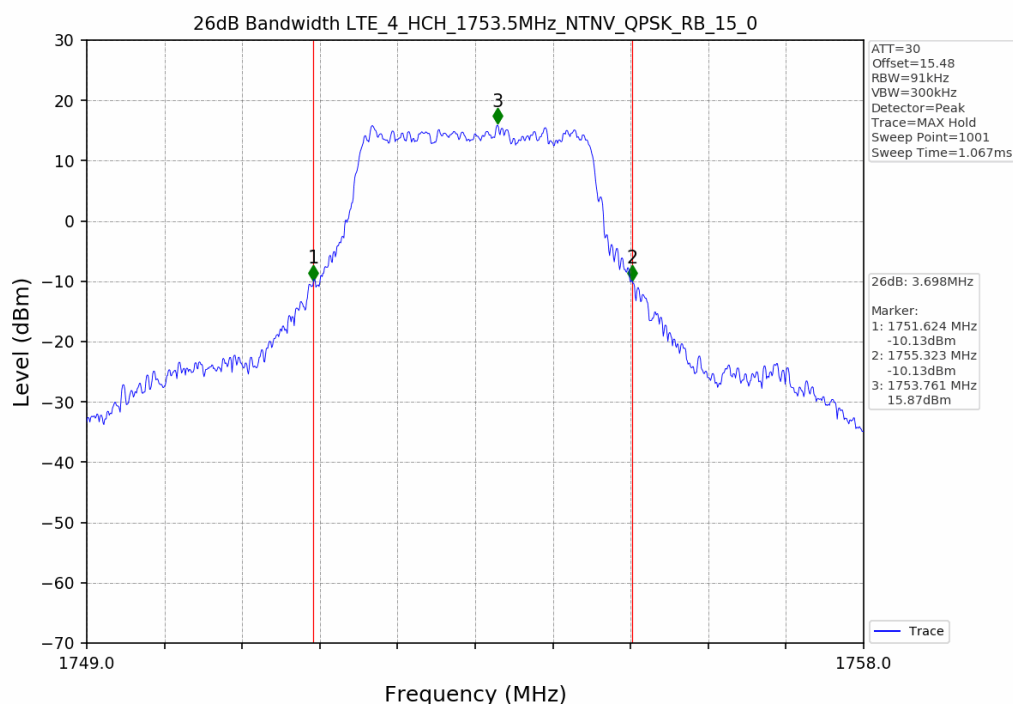
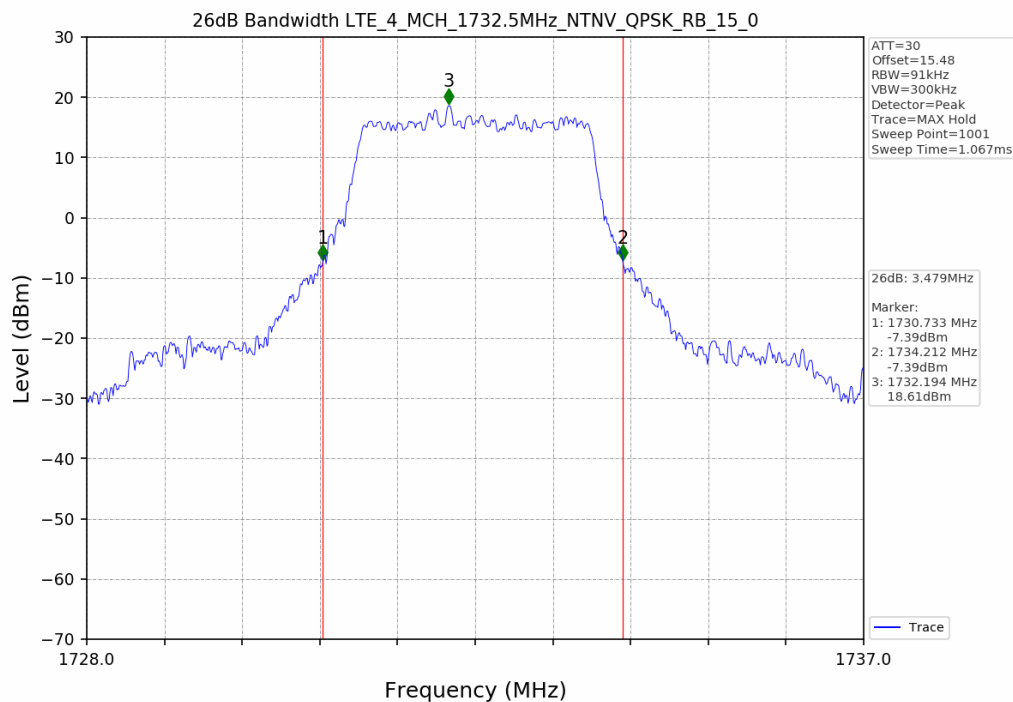
Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	15	0	3.698	3.479	3.698	N/A	PASS
16QAM	15	0	3.782	3.655	3.648	N/A	PASS

3.2 Test Graph



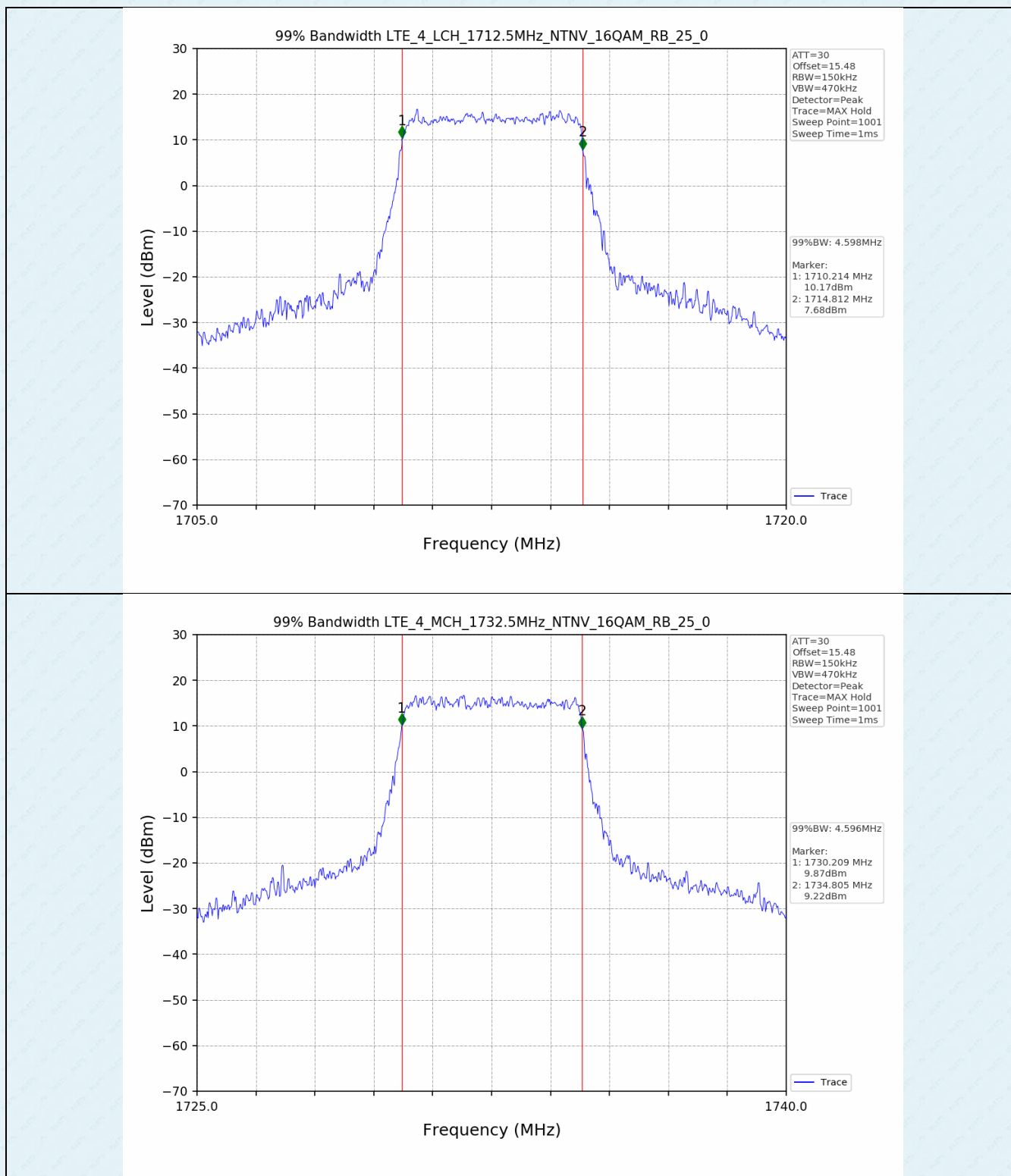


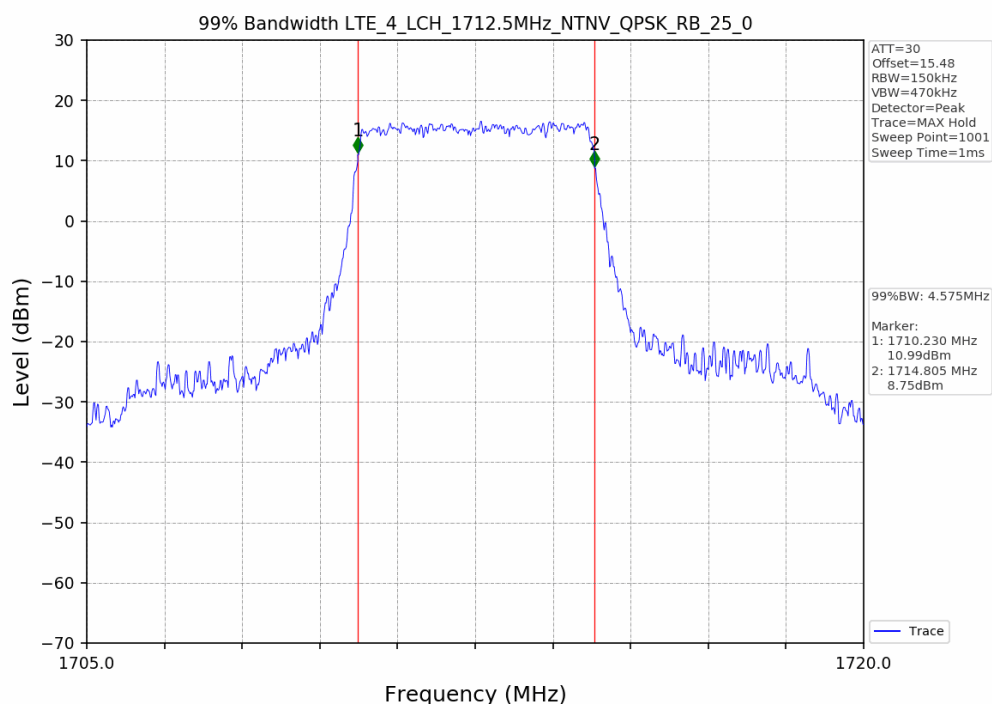
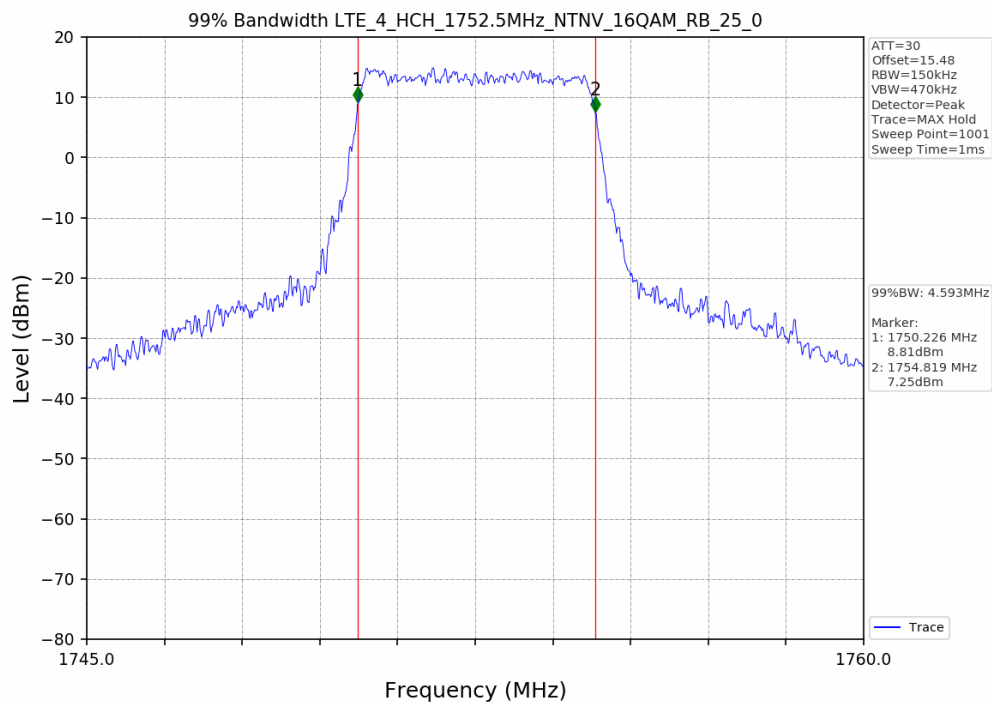


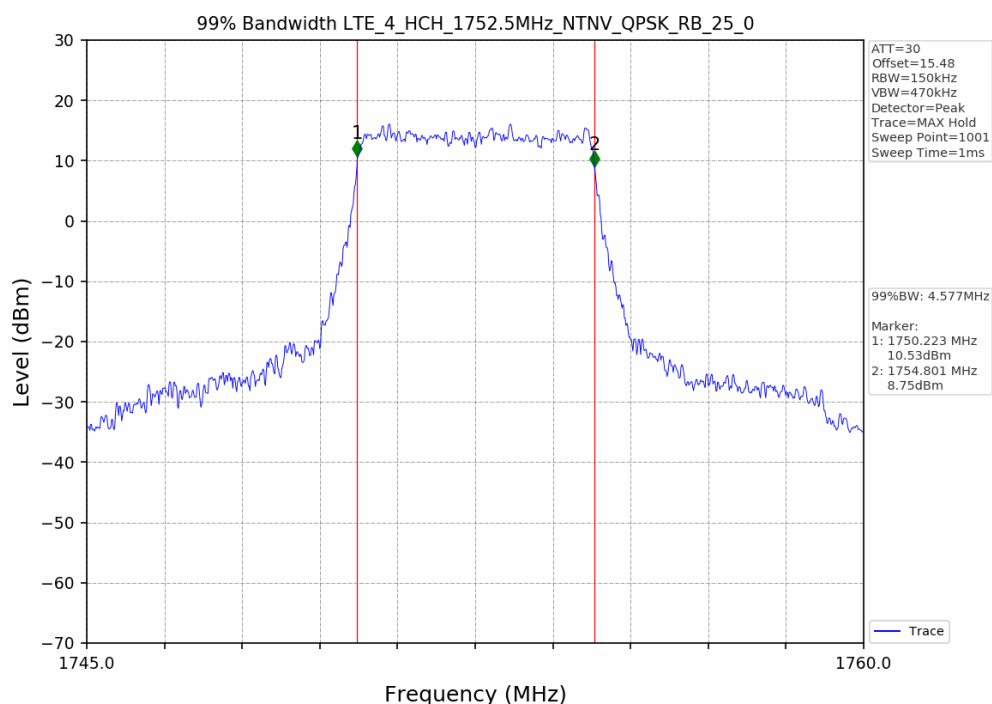
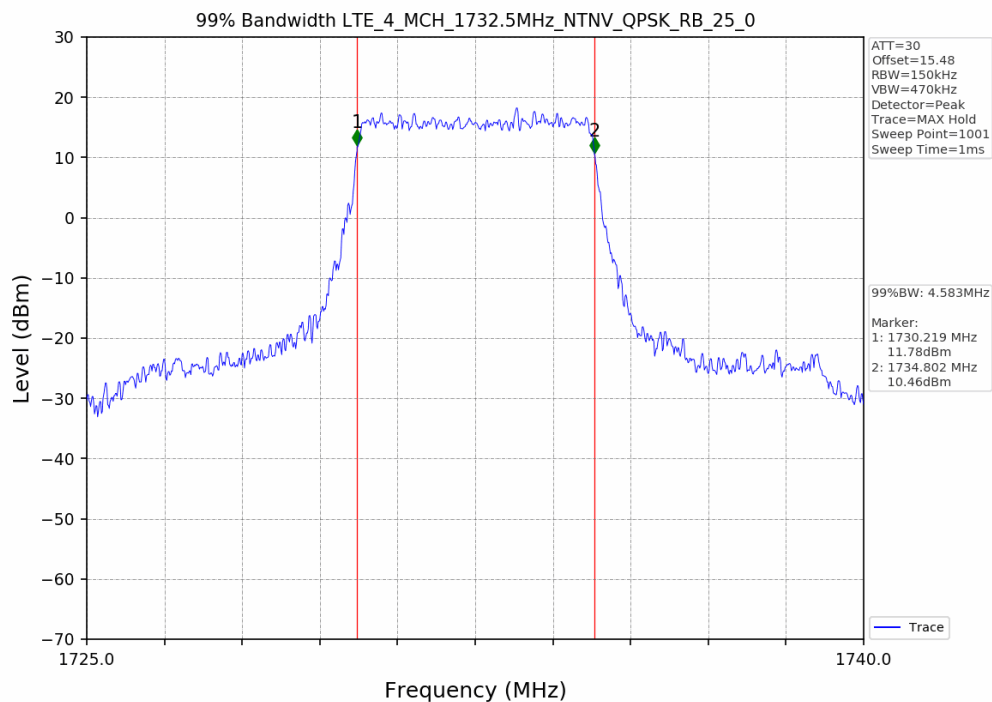
Test Band: 4 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	25	0	4.575	4.583	4.577	N/A	PASS
16QAM	25	0	4.598	4.596	4.593	N/A	PASS

3.2 Test Graph



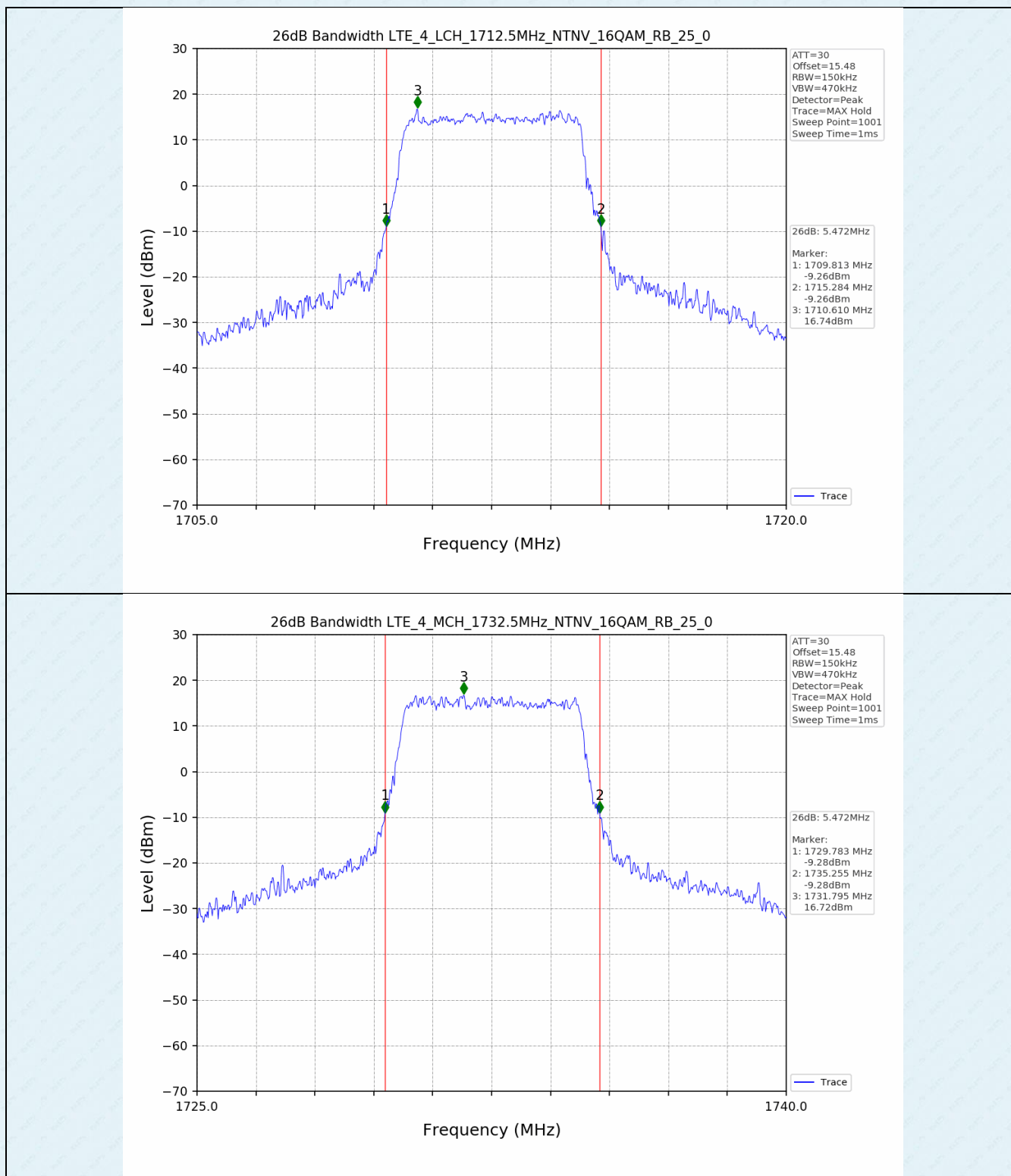


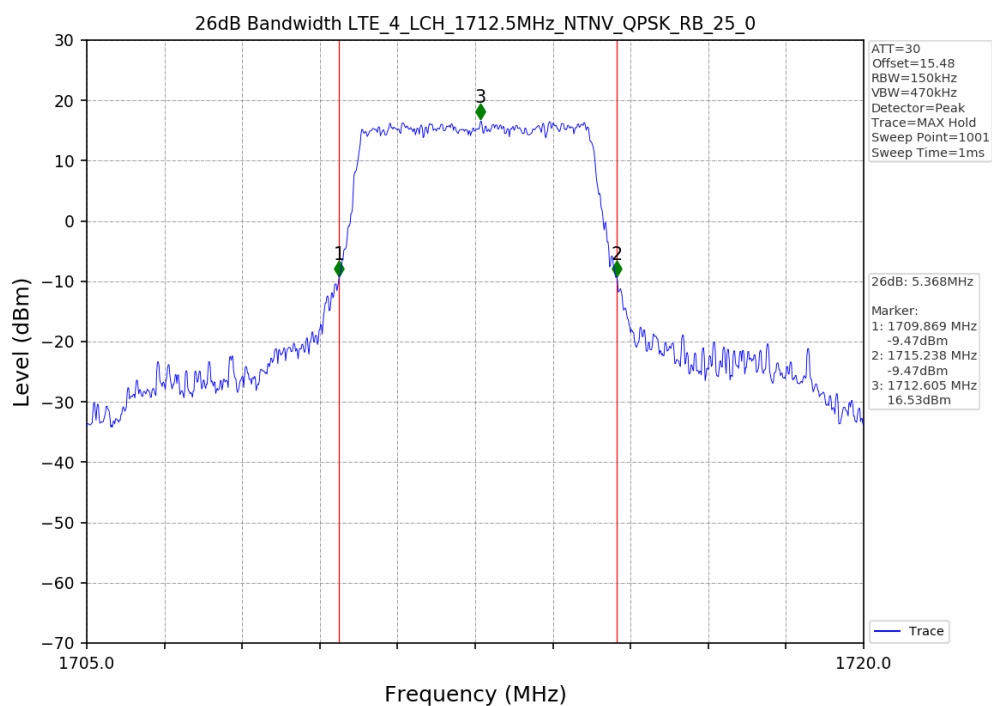
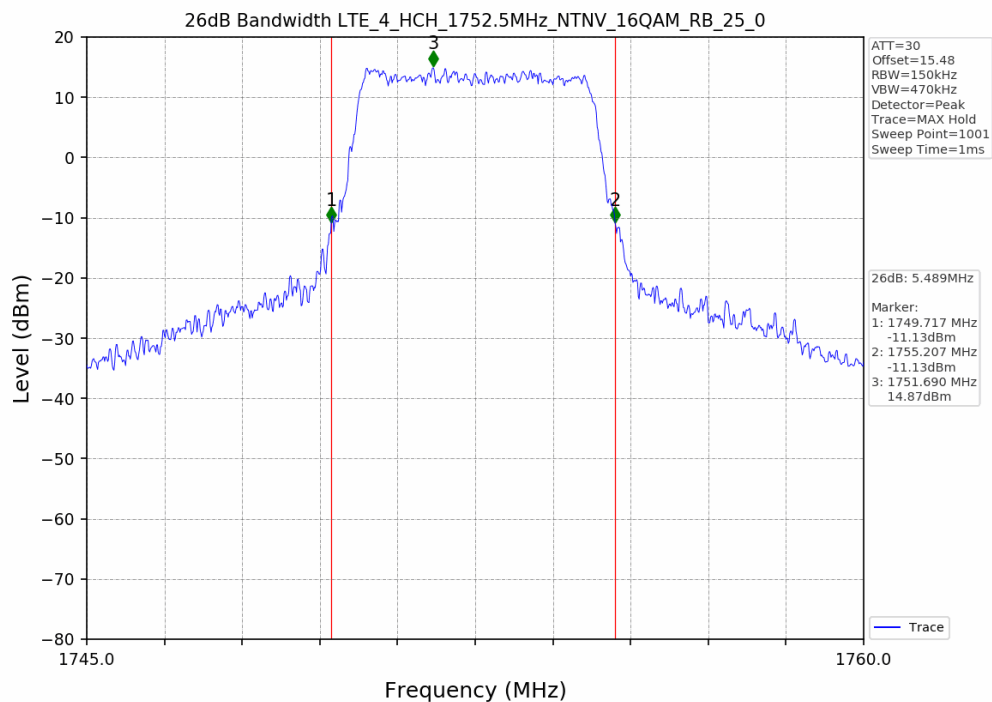


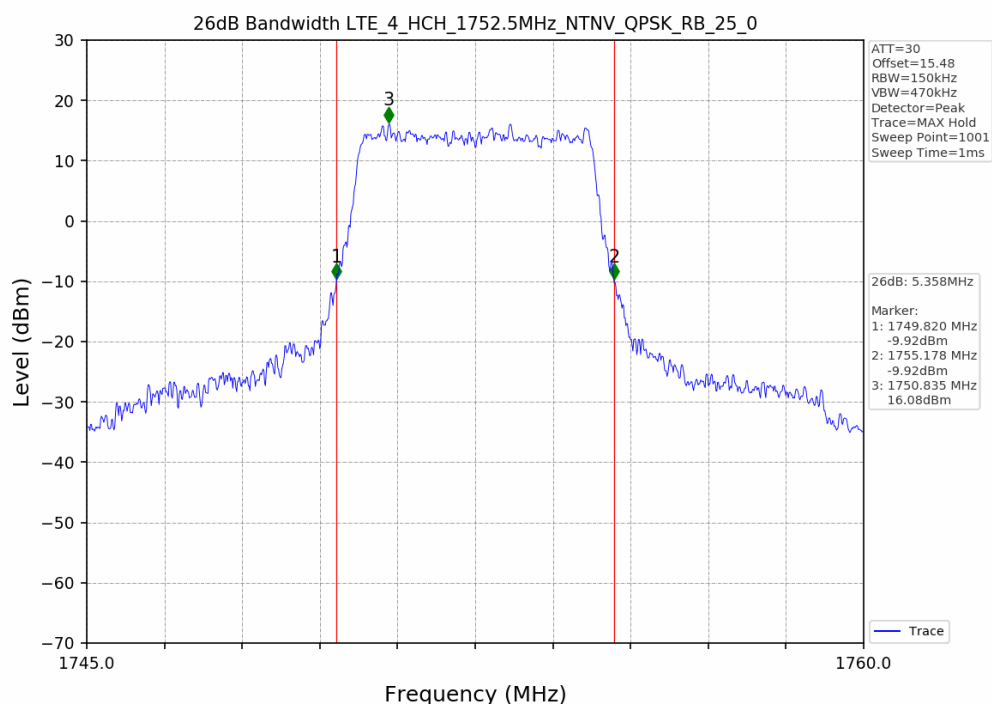
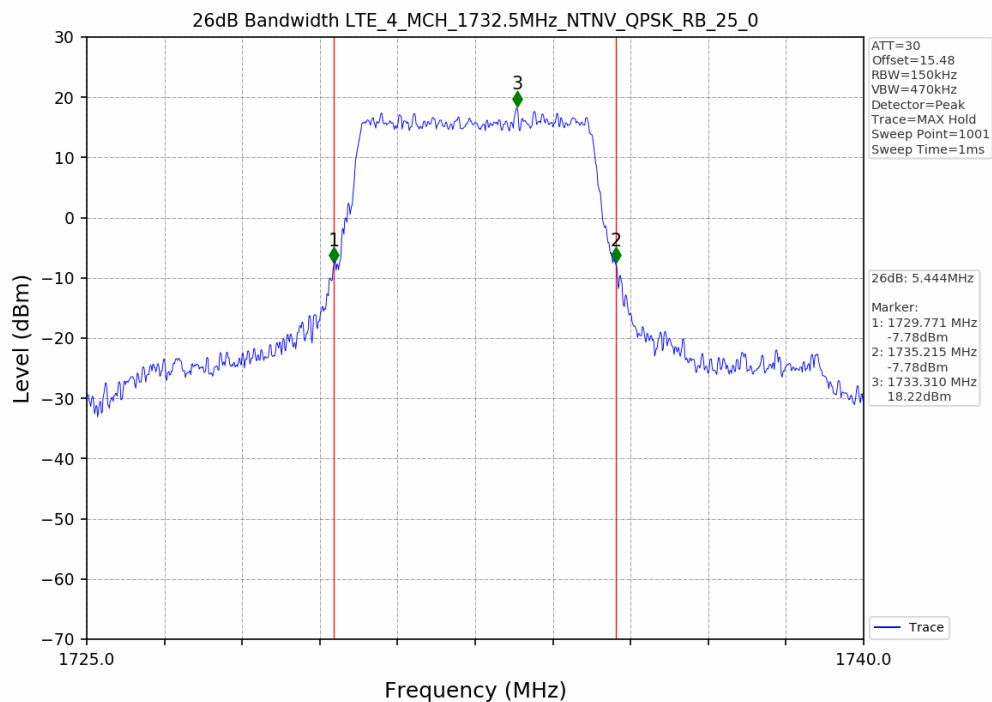
Test Band: 4 5MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	25	0	5.368	5.444	5.358	N/A	PASS
16QAM	25	0	5.472	5.472	5.489	N/A	PASS

3.2 Test Graph



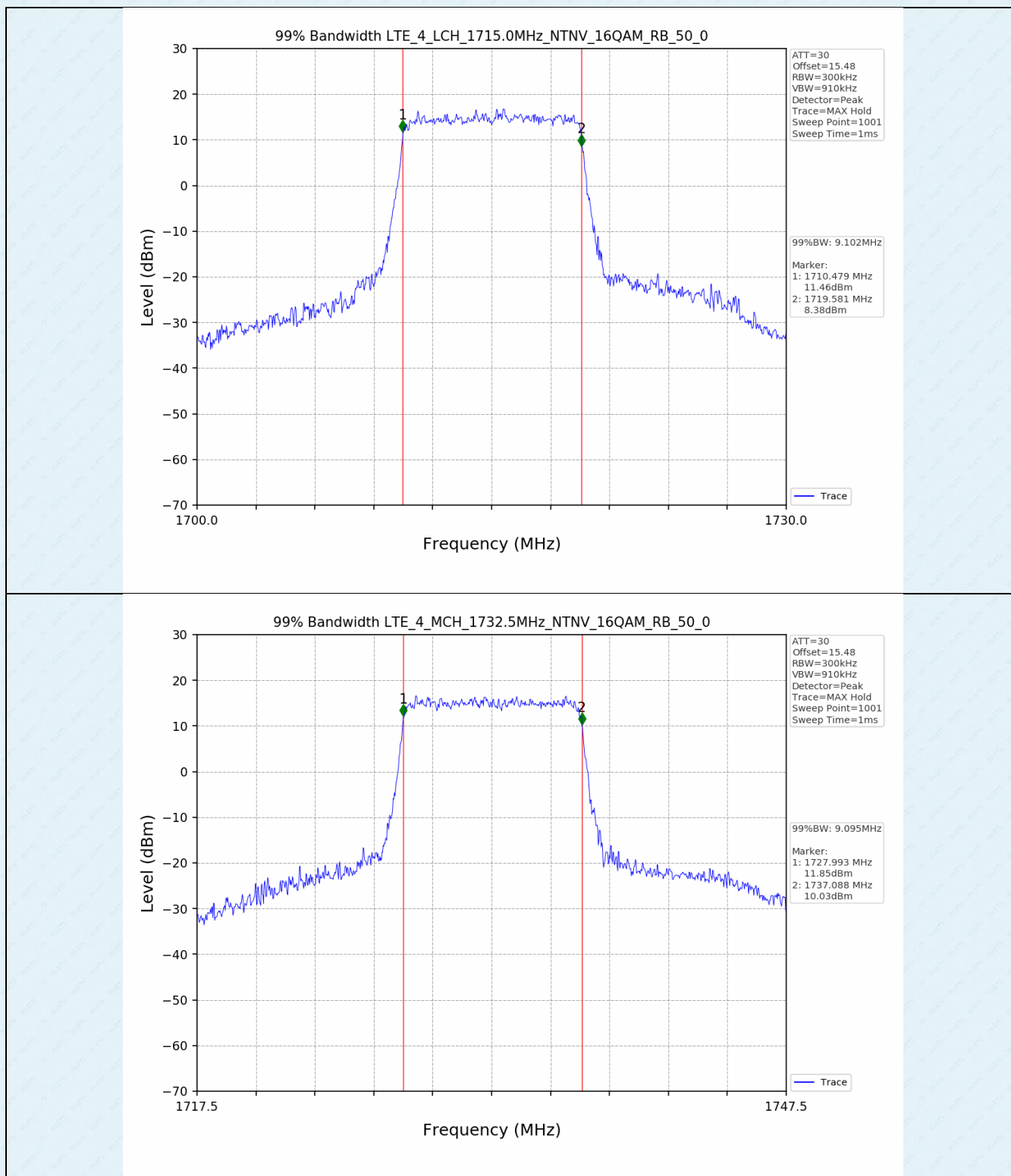


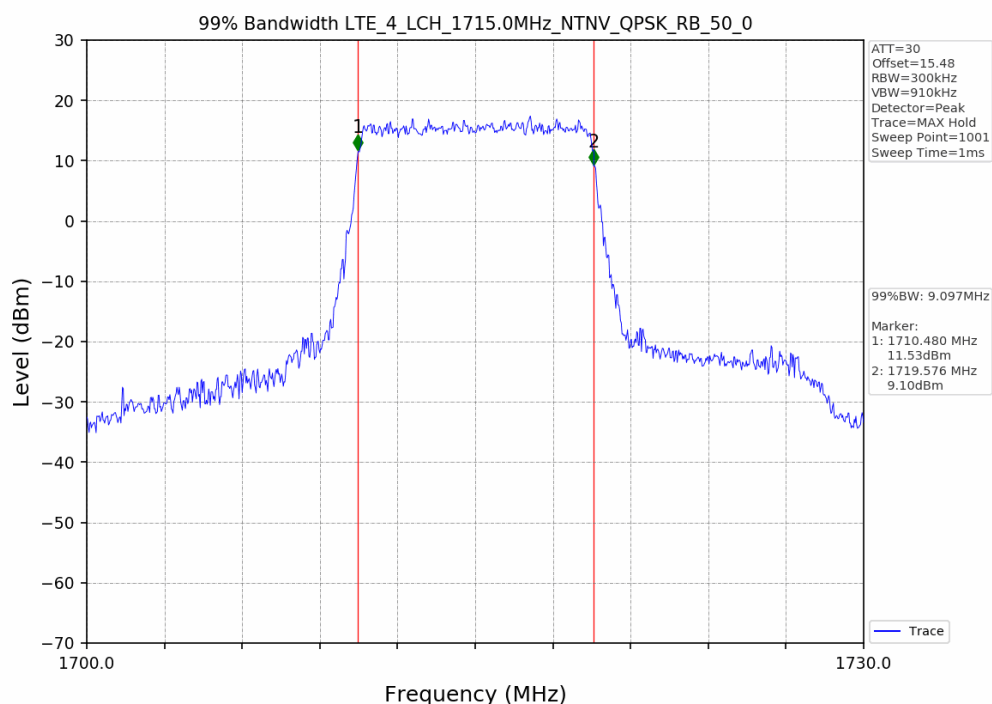
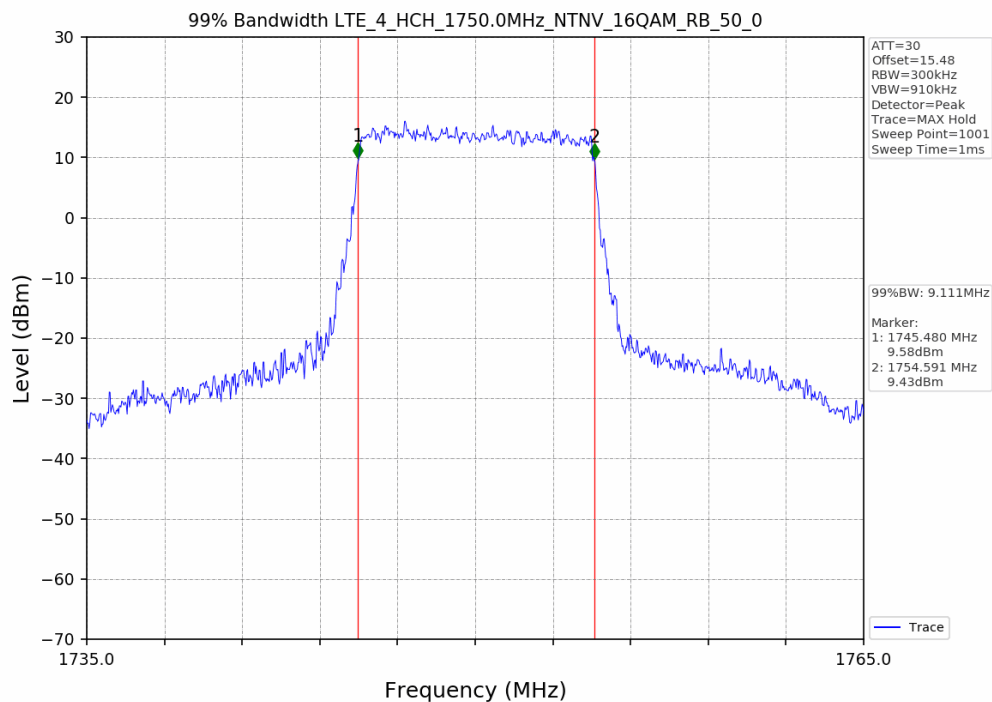


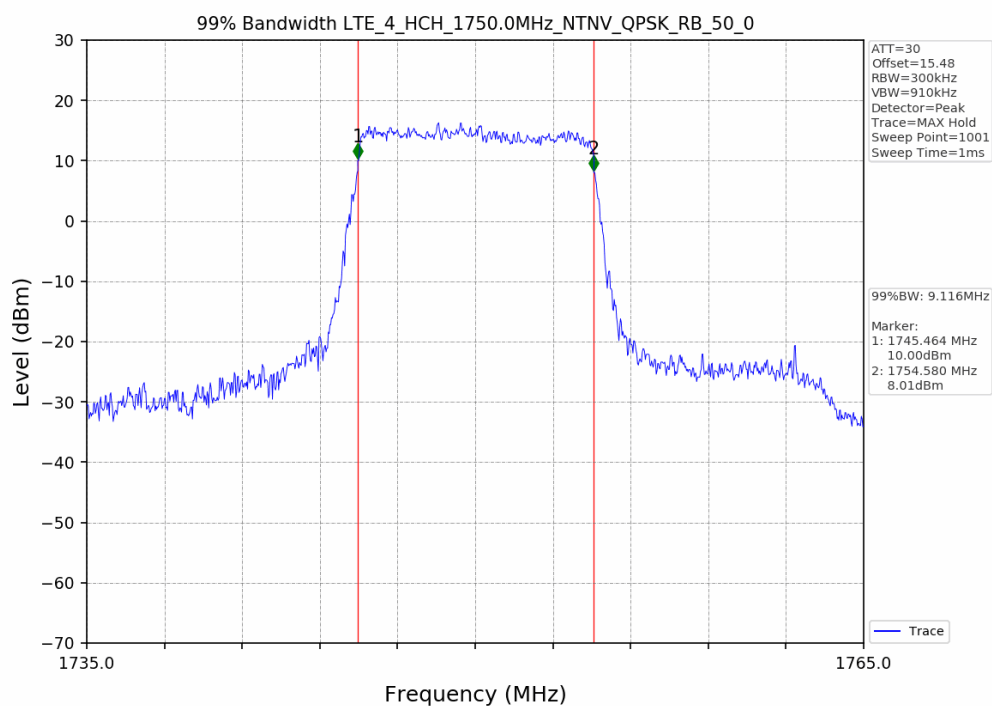
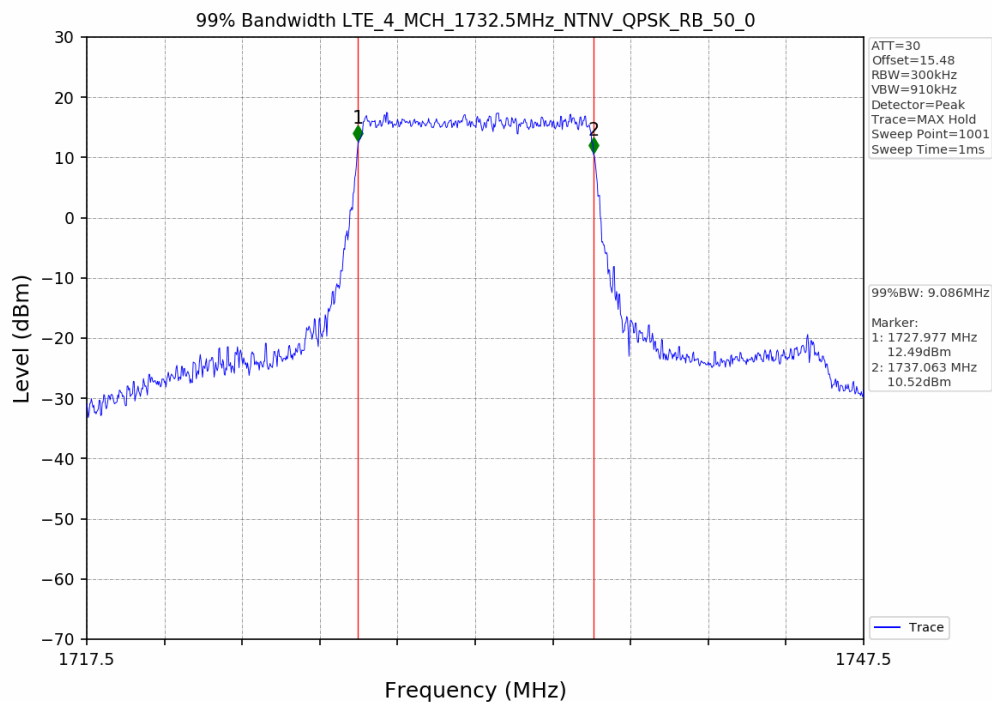
Test Band: 4 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	50	0	9.097	9.086	9.116	N/A	PASS
16QAM	50	0	9.102	9.095	9.111	N/A	PASS

3.2 Test Graph



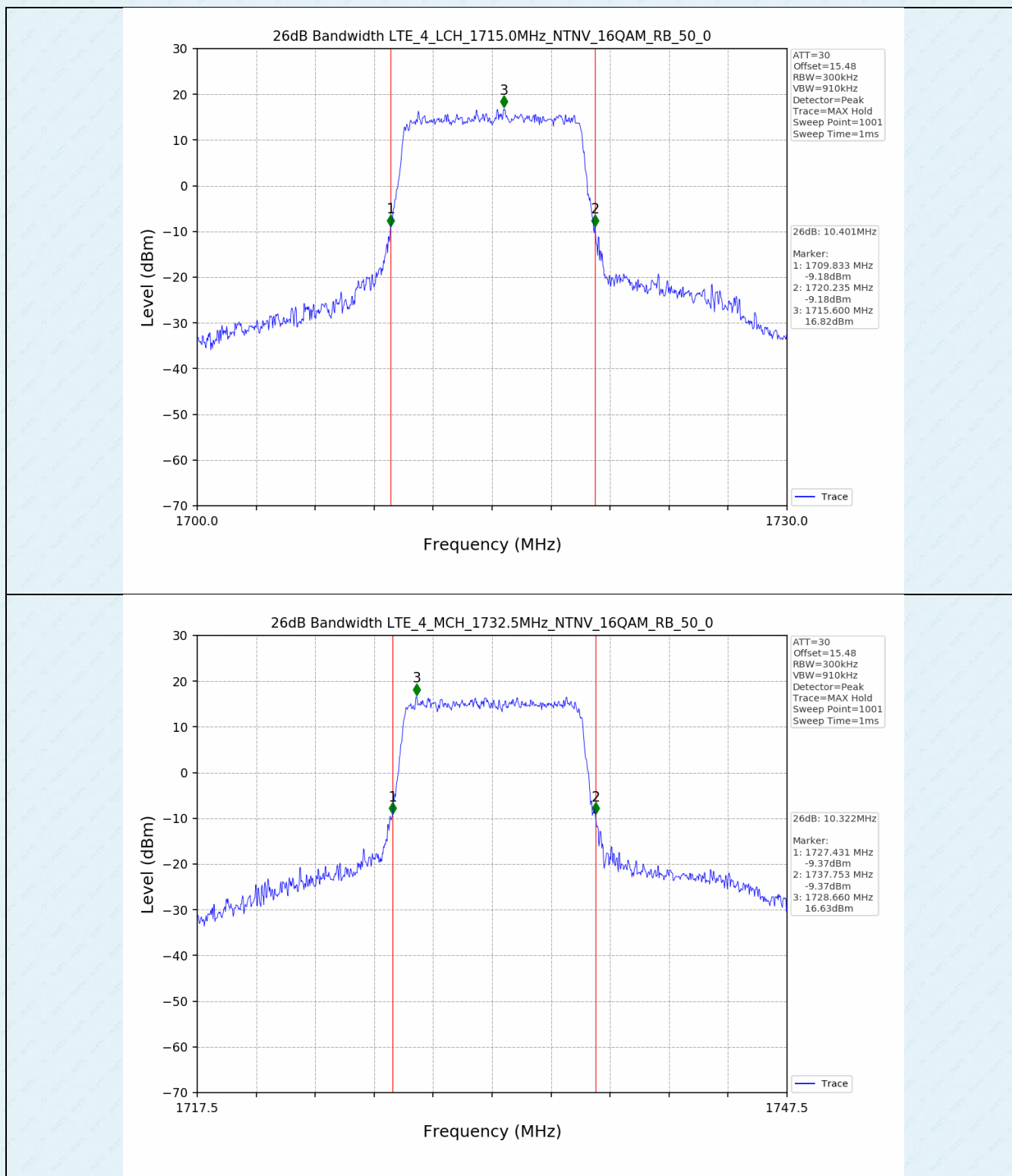


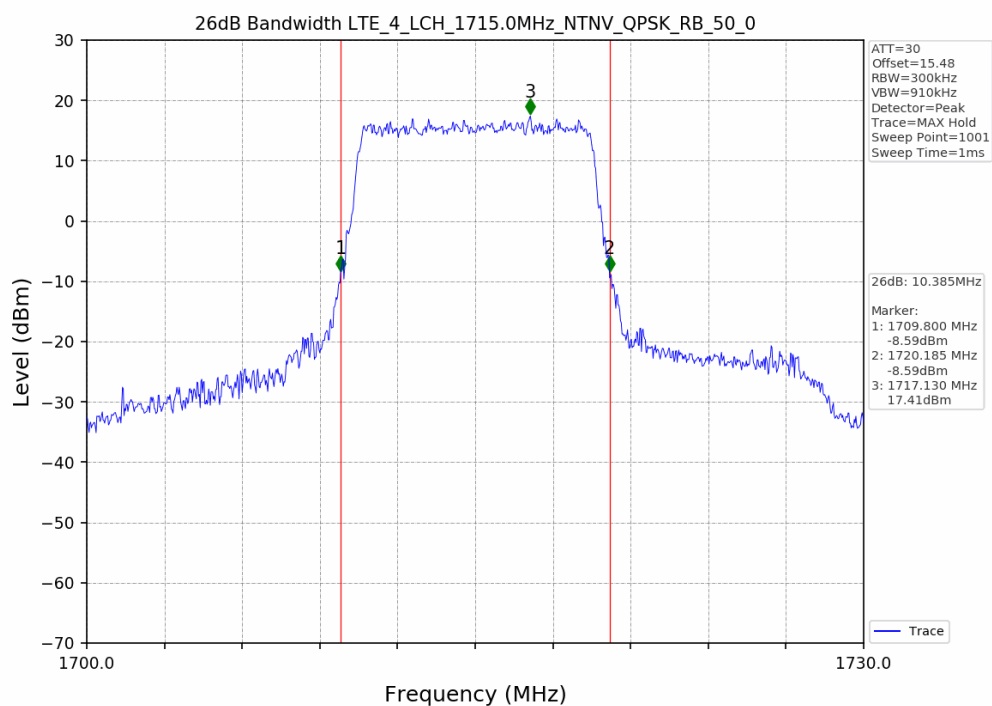
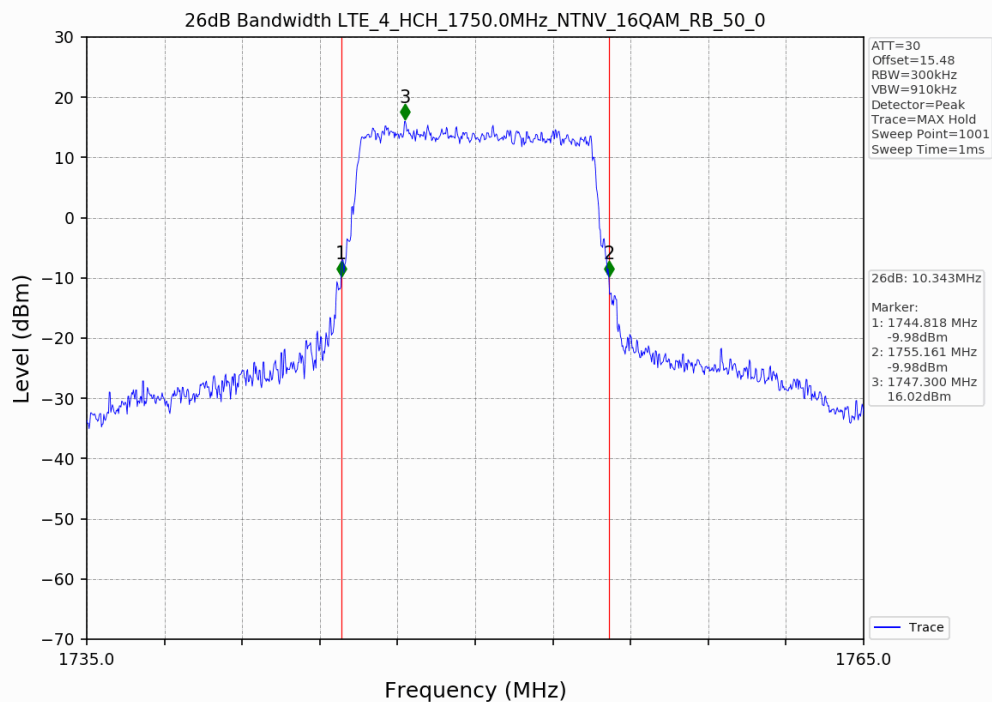


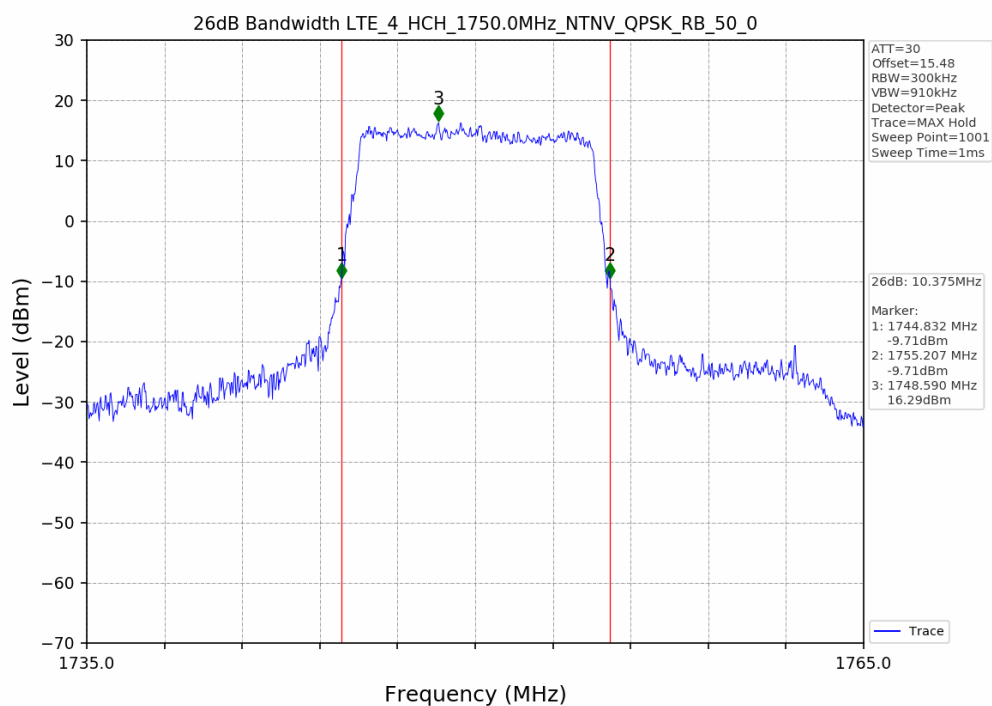
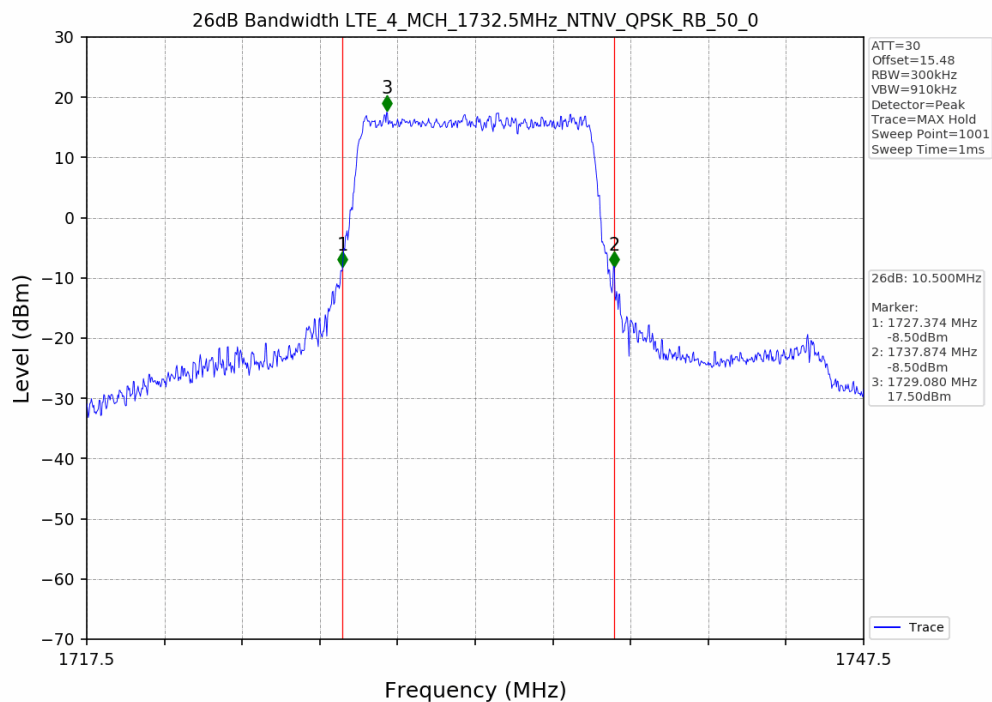
Test Band: 4 10MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	50	0	10.385	10.500	10.375	N/A	PASS
16QAM	50	0	10.401	10.322	10.343	N/A	PASS

3.2 Test Graph



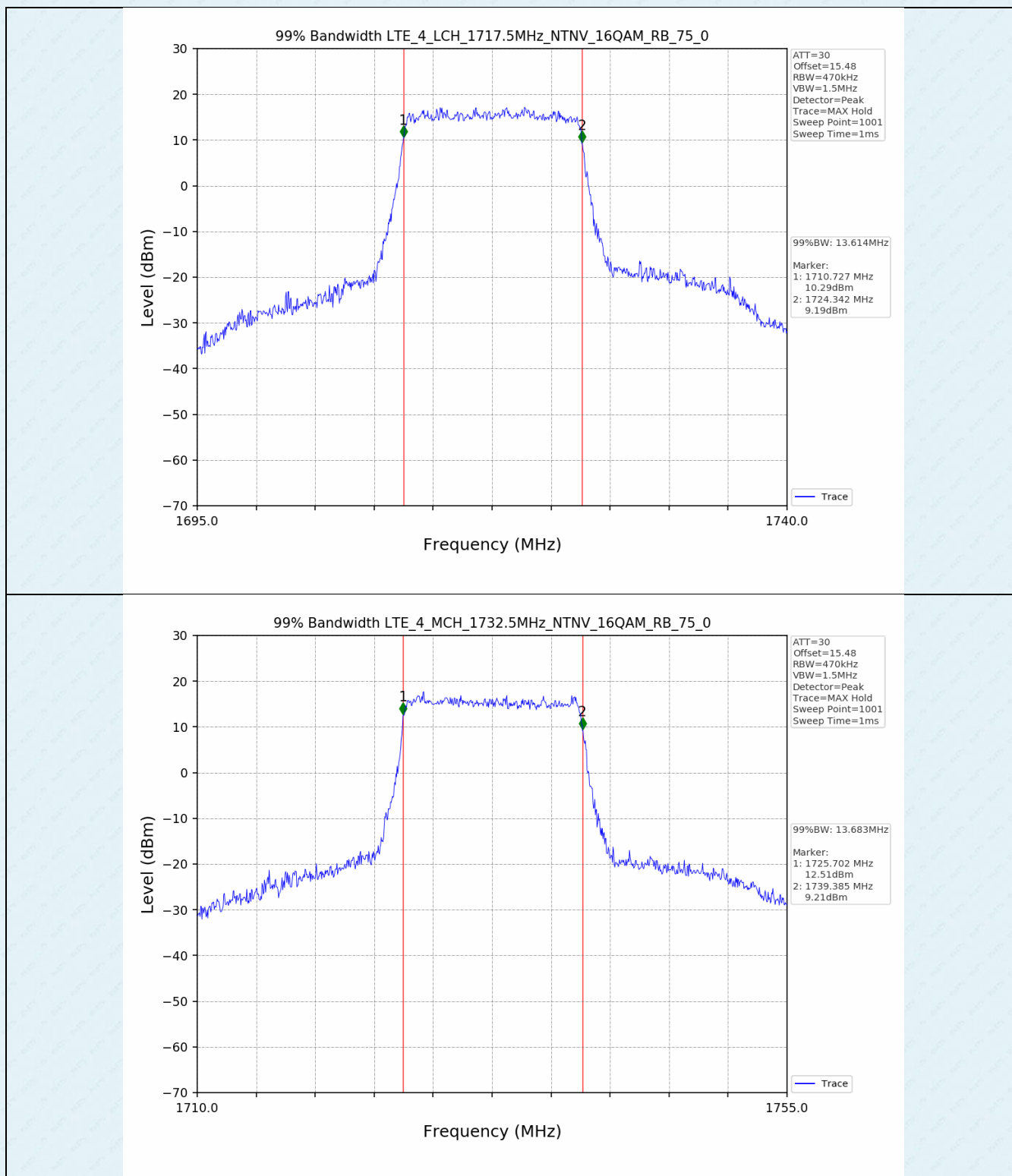


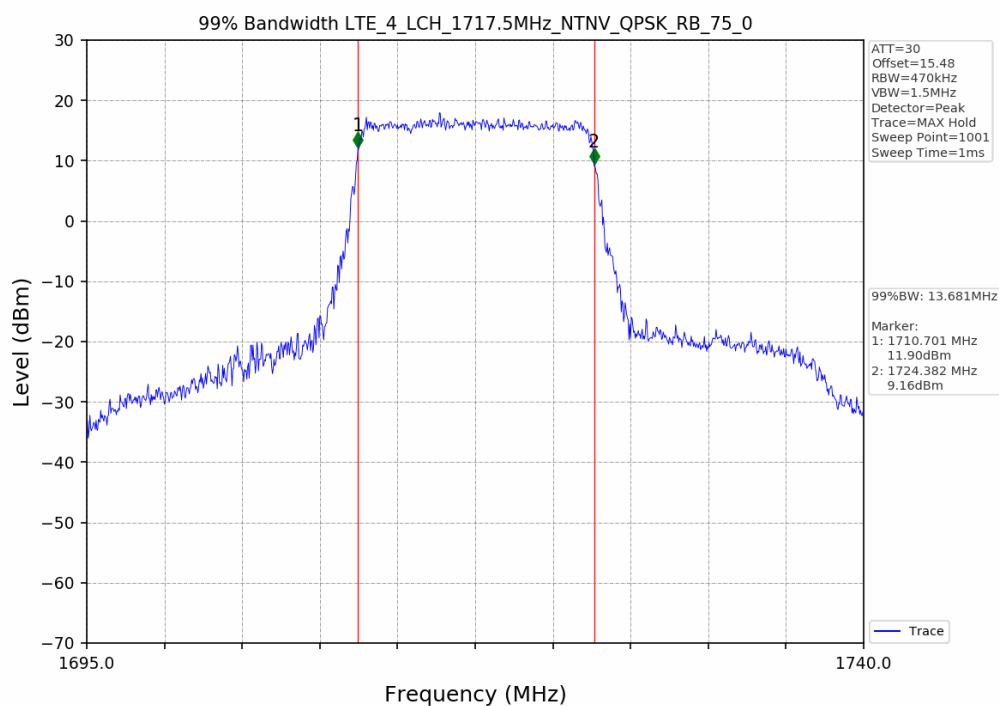
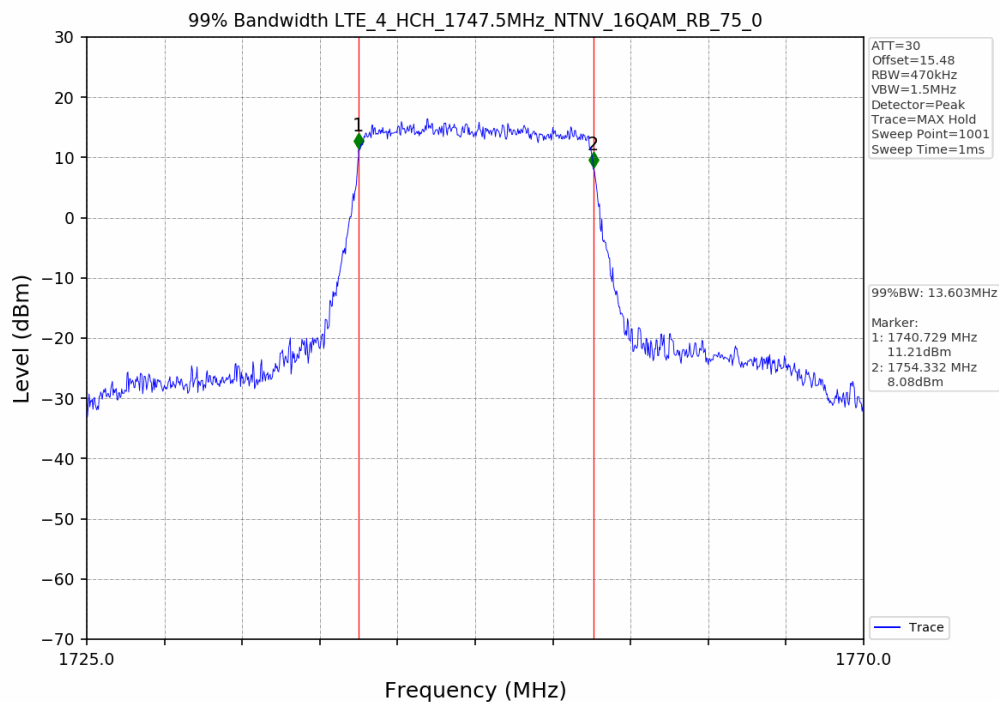


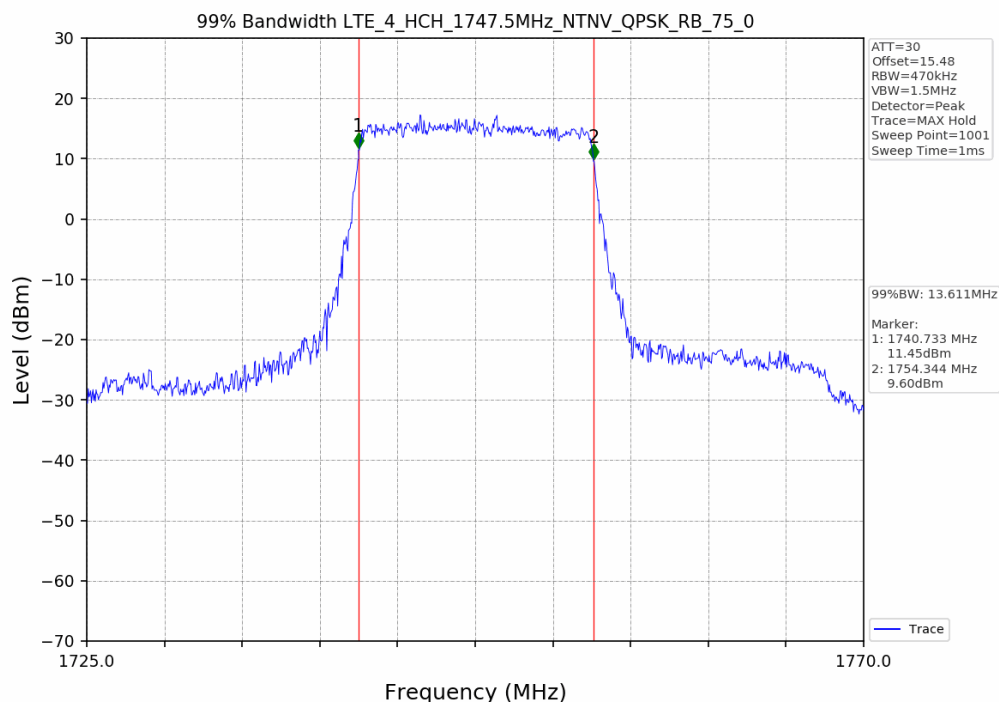
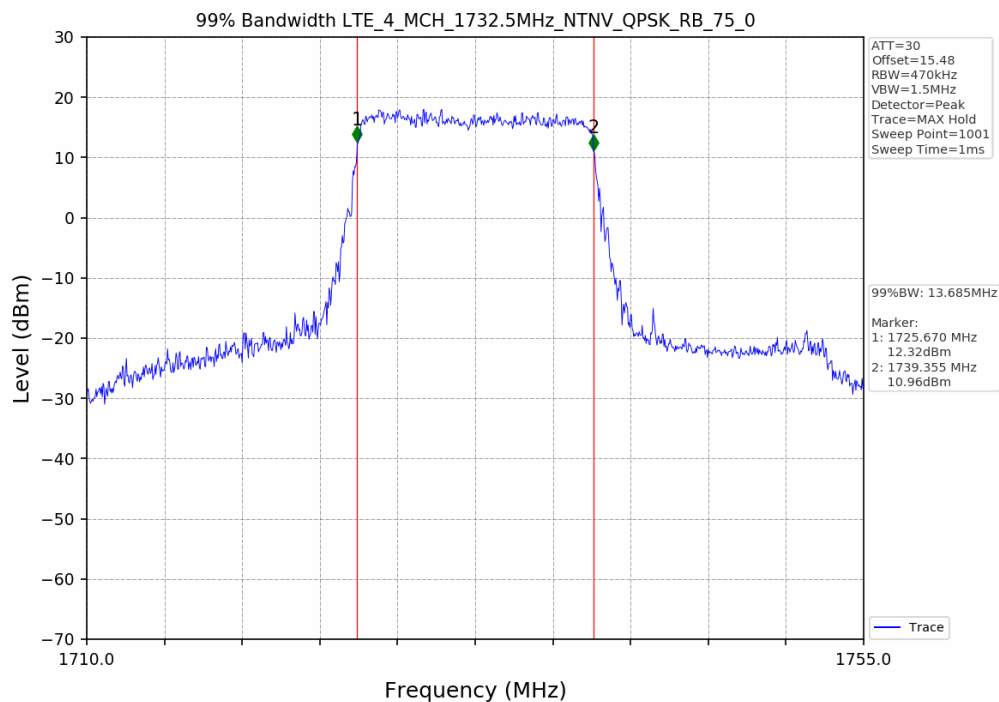
Test Band: 4 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	75	0	13.681	13.685	13.611	N/A	PASS
16QAM	75	0	13.614	13.683	13.603	N/A	PASS

3.2 Test Graph



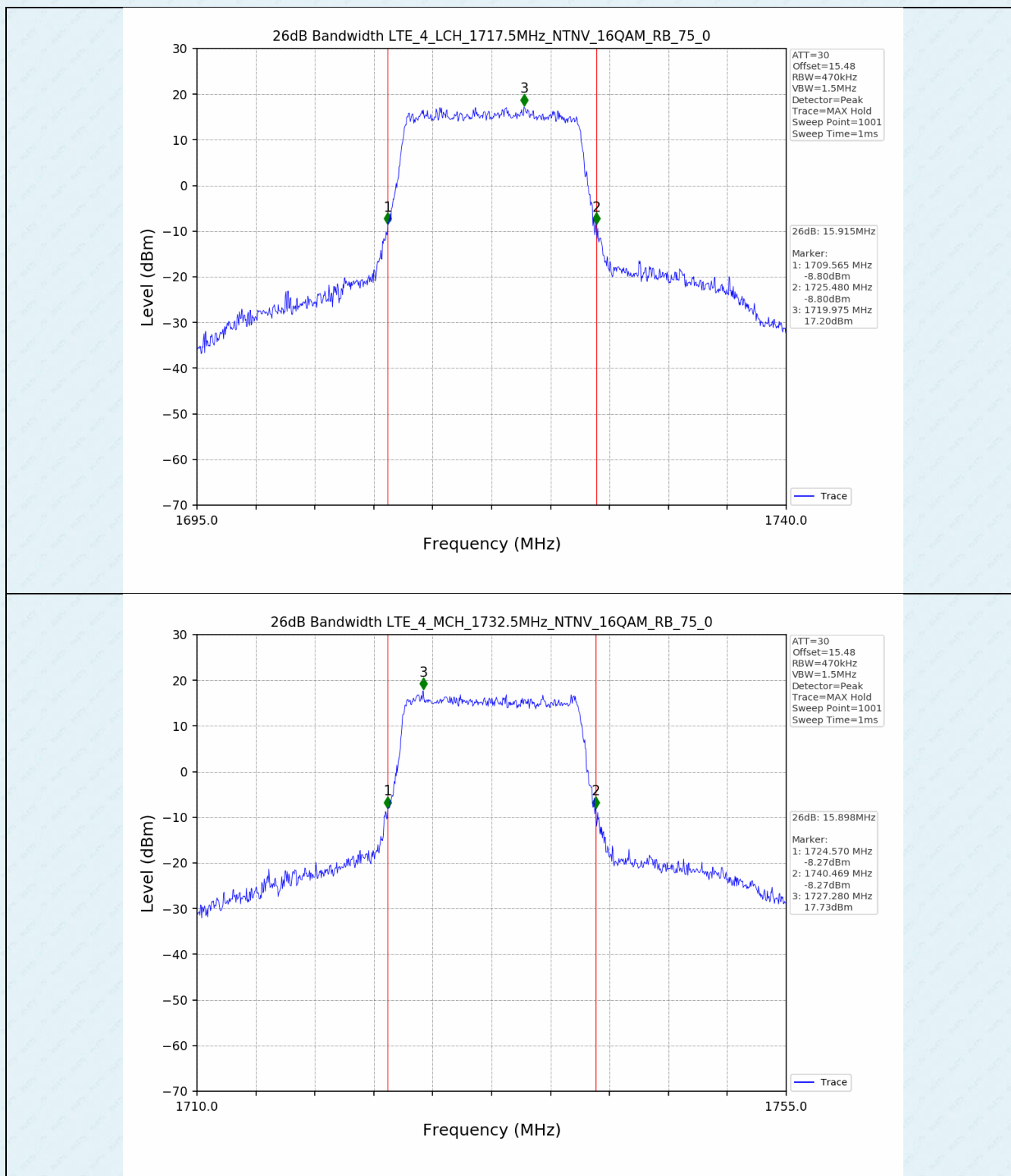


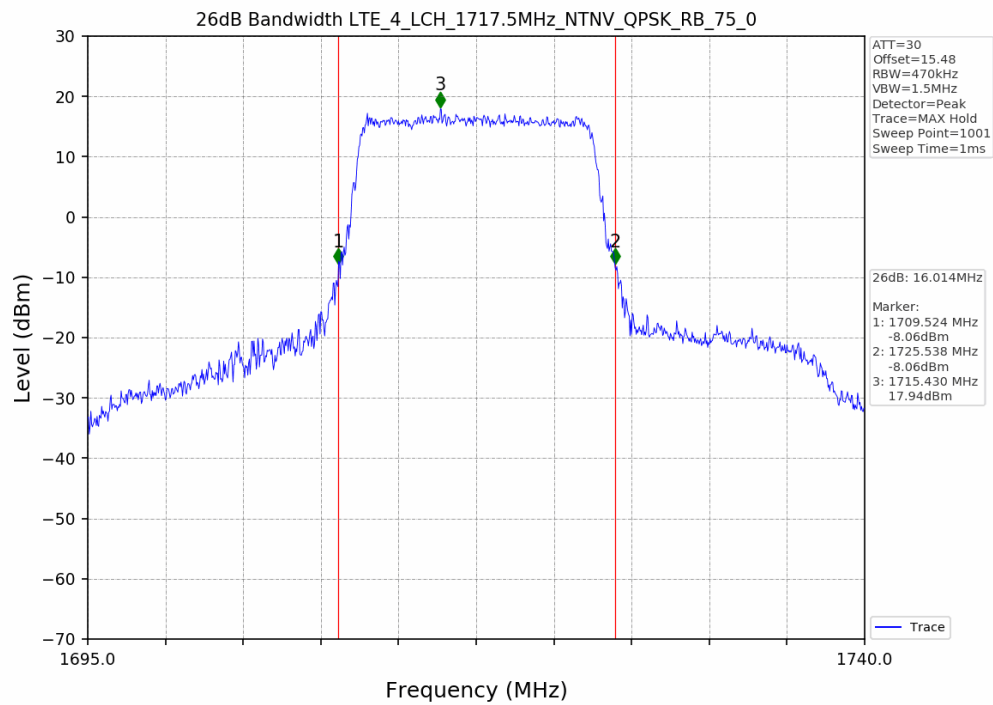
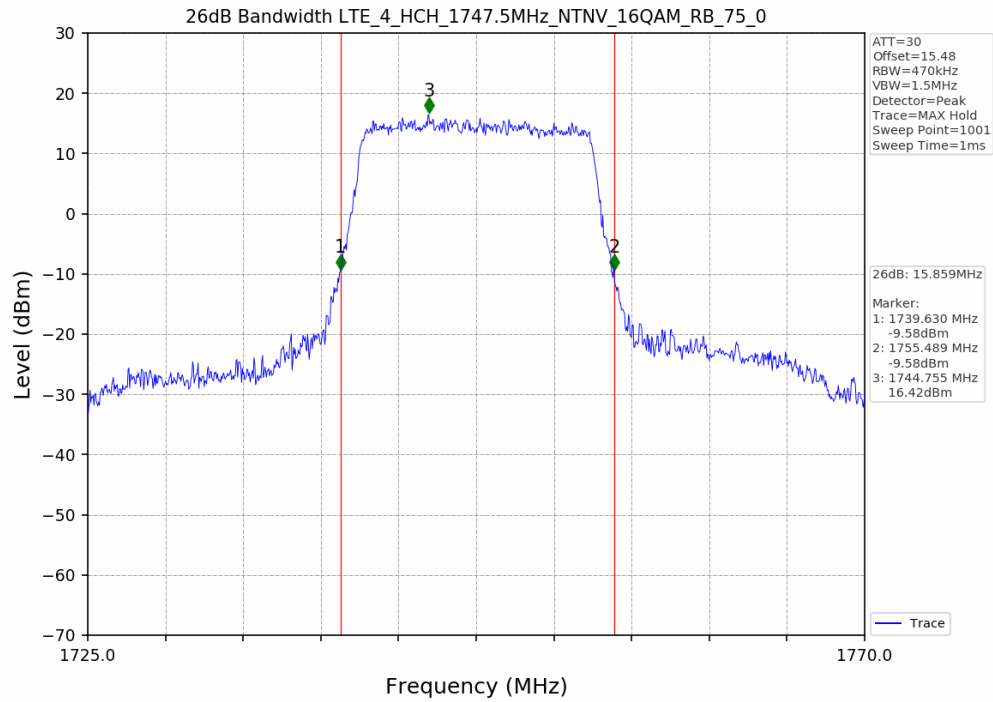


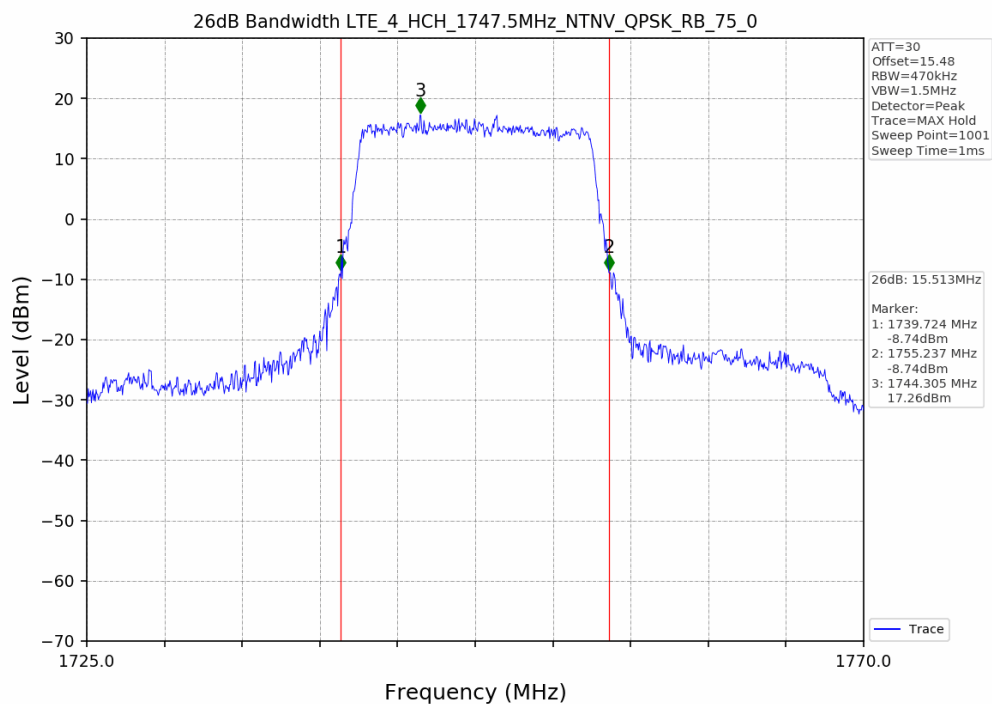
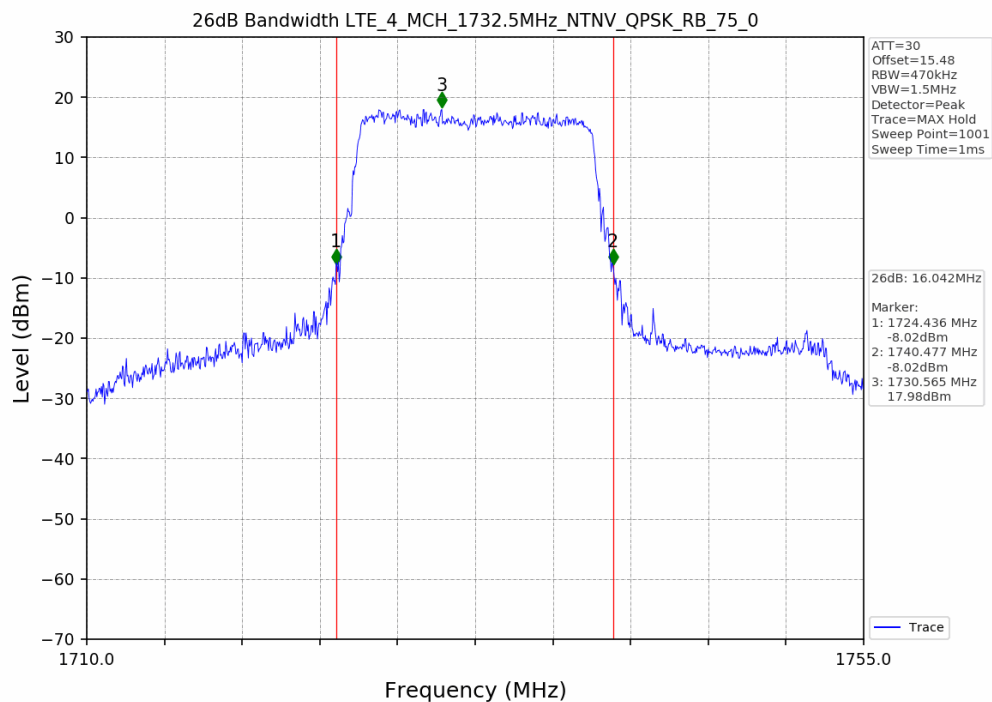
Test Band: 4 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	75	0	16.014	16.042	15.513	N/A	PASS
16QAM	75	0	15.915	15.898	15.859	N/A	PASS

3.2 Test Graph



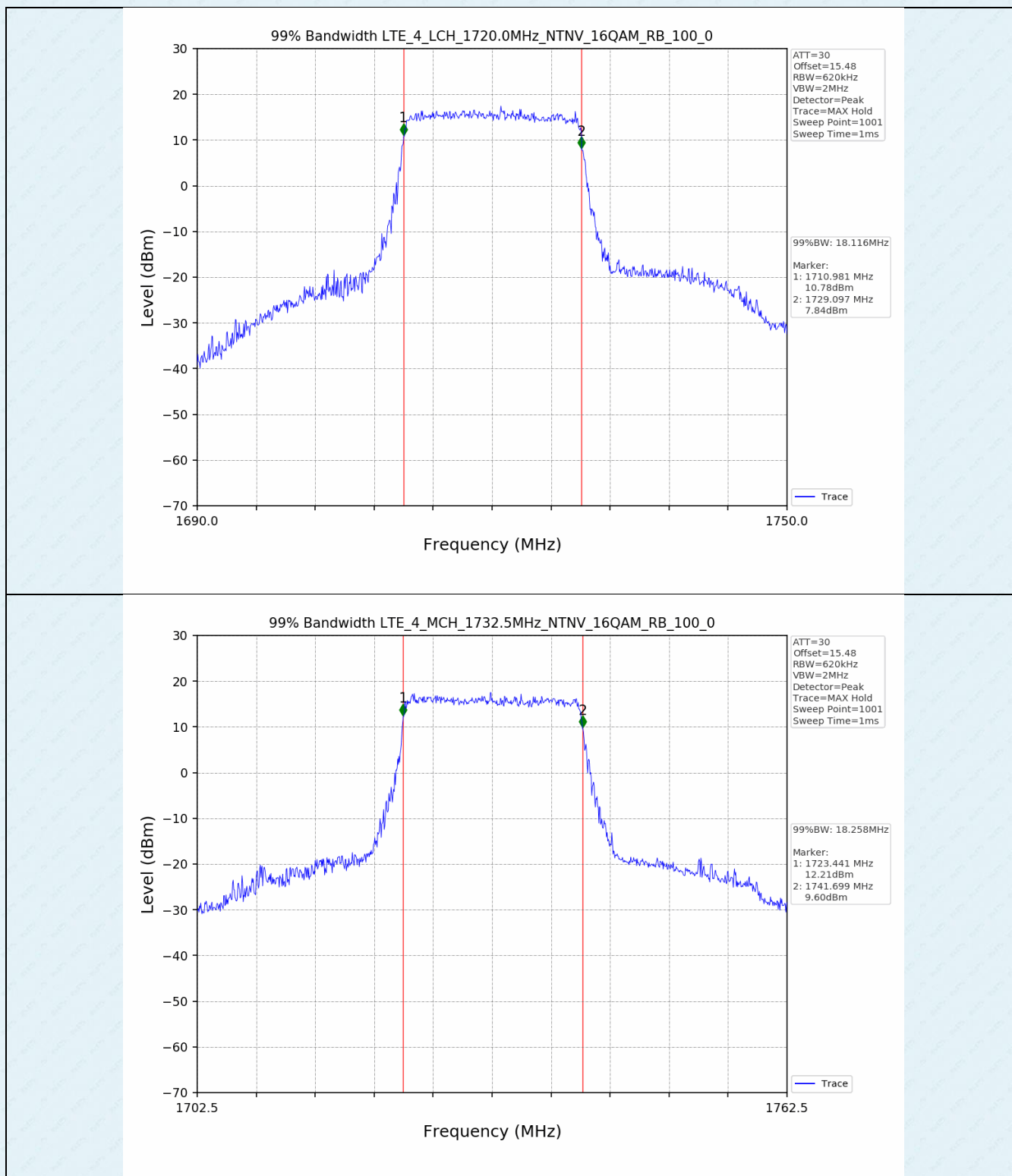


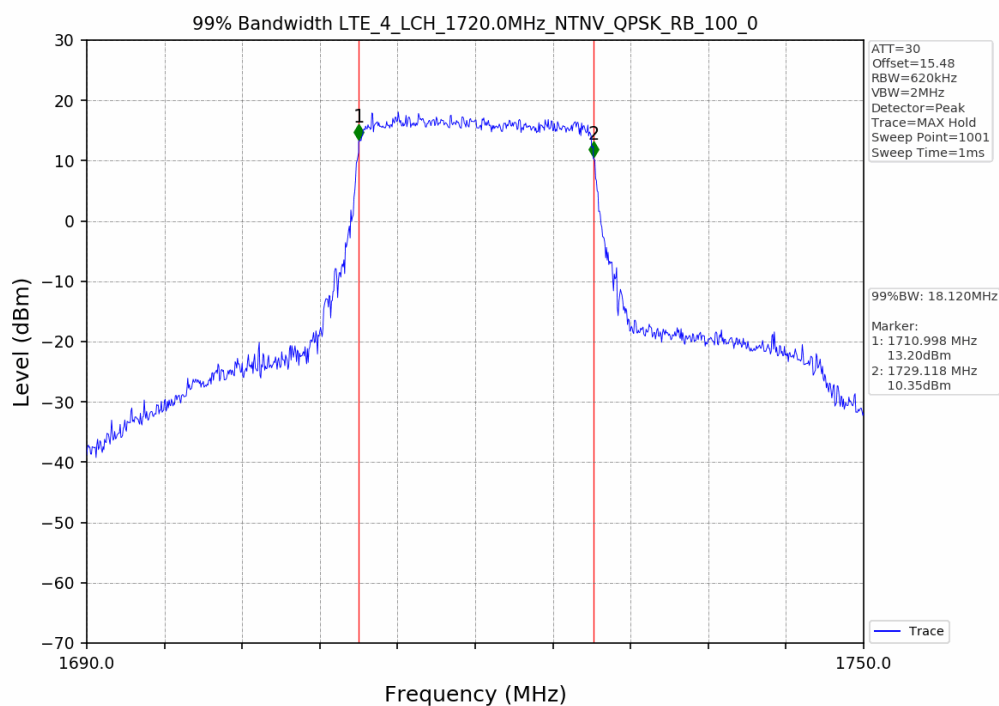
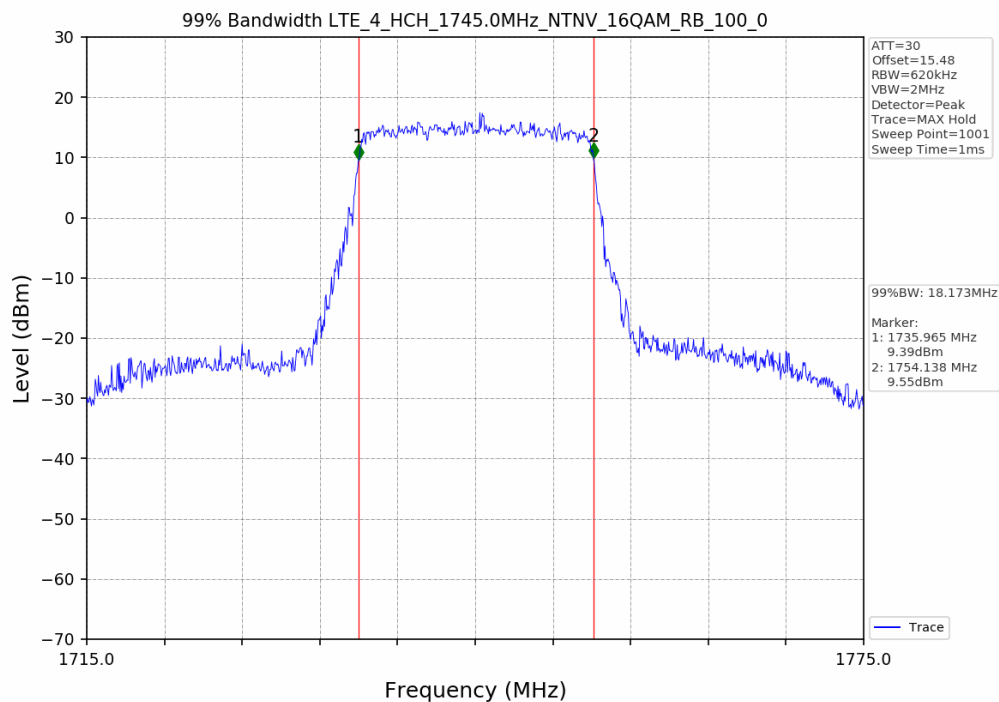


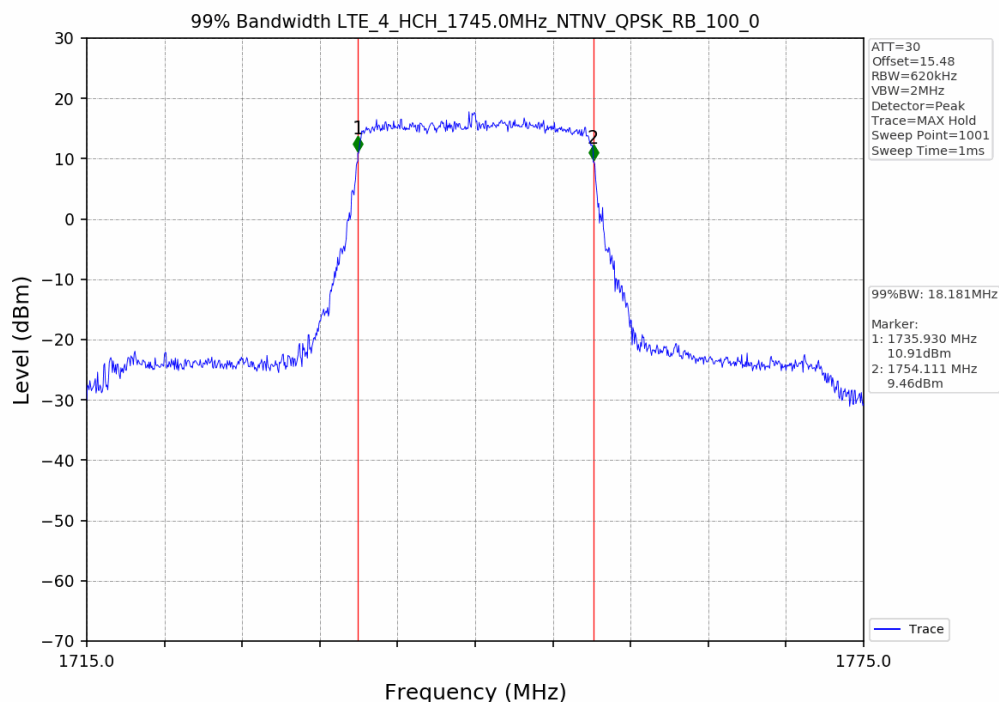
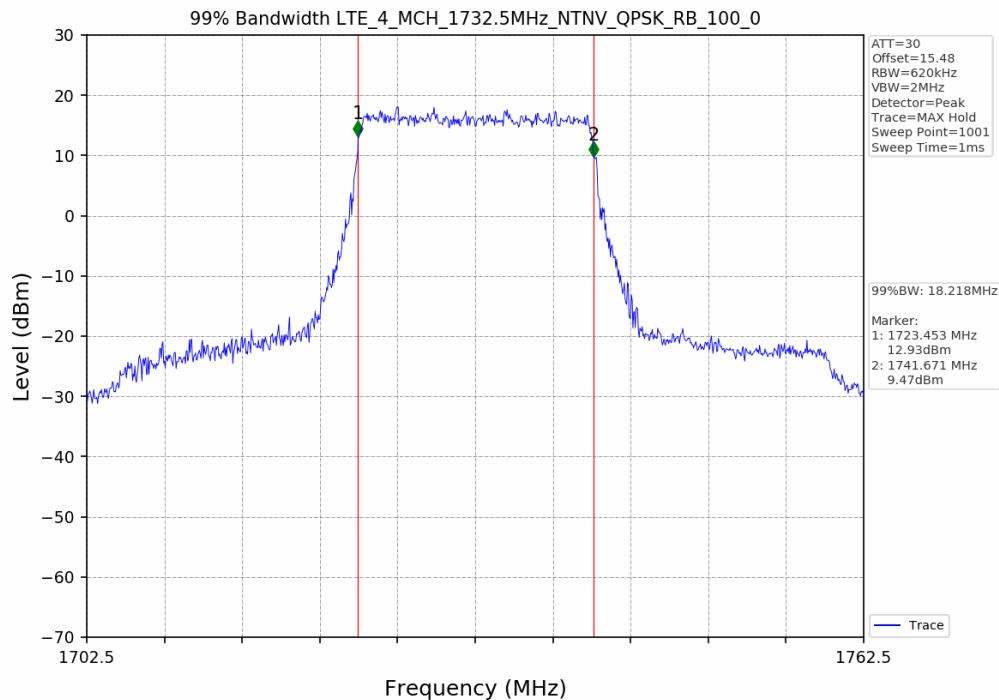
Test Band: 4 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	100	0	18.120	18.218	18.181	N/A	PASS
16QAM	100	0	18.116	18.258	18.173	N/A	PASS

3.2 Test Graph



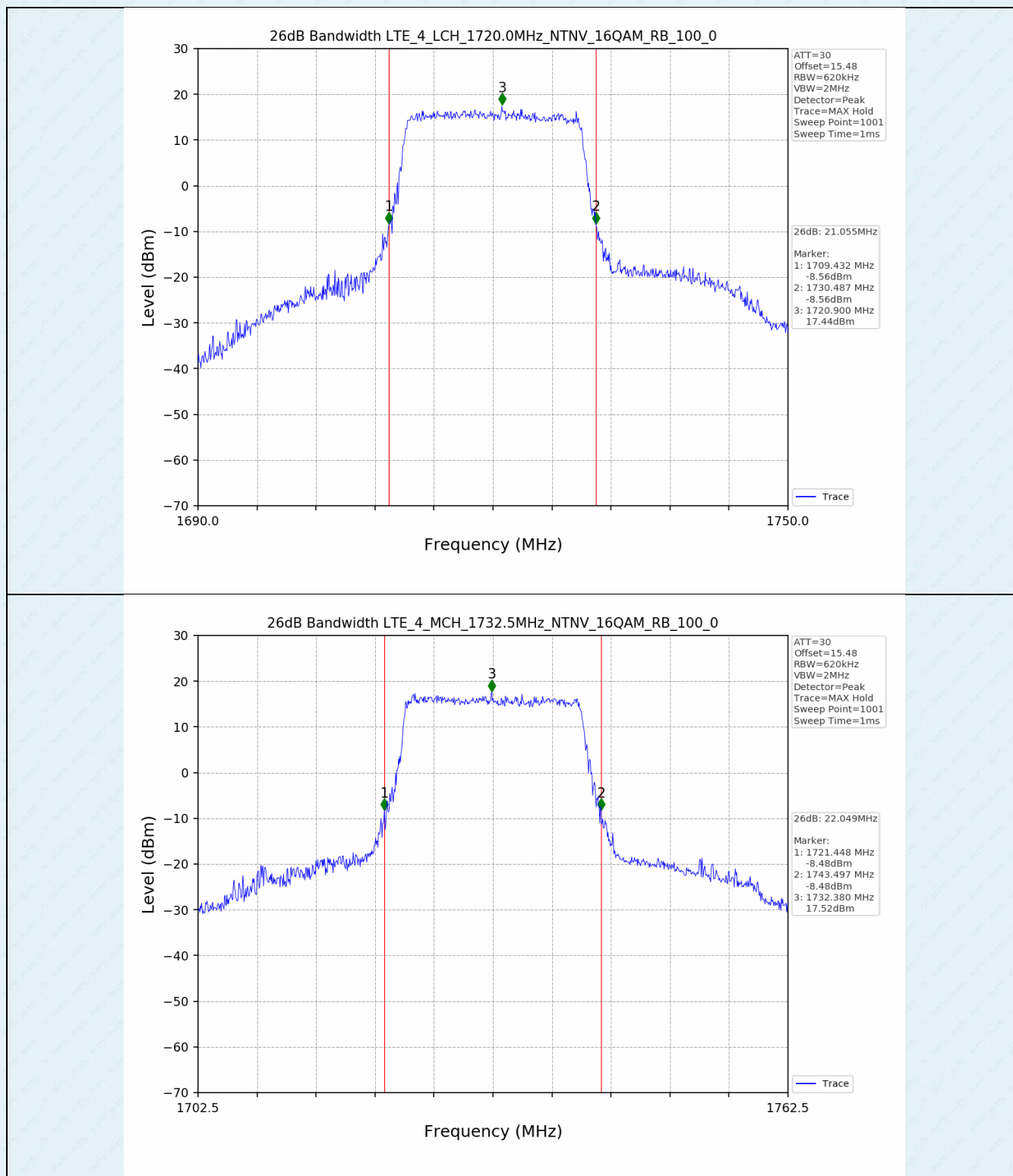


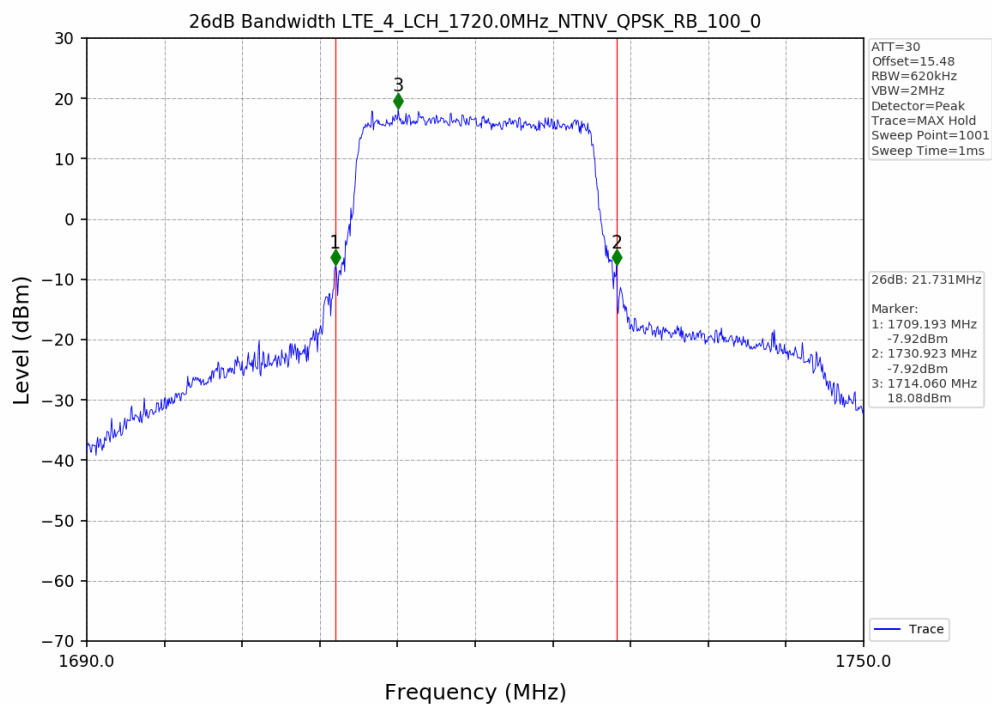
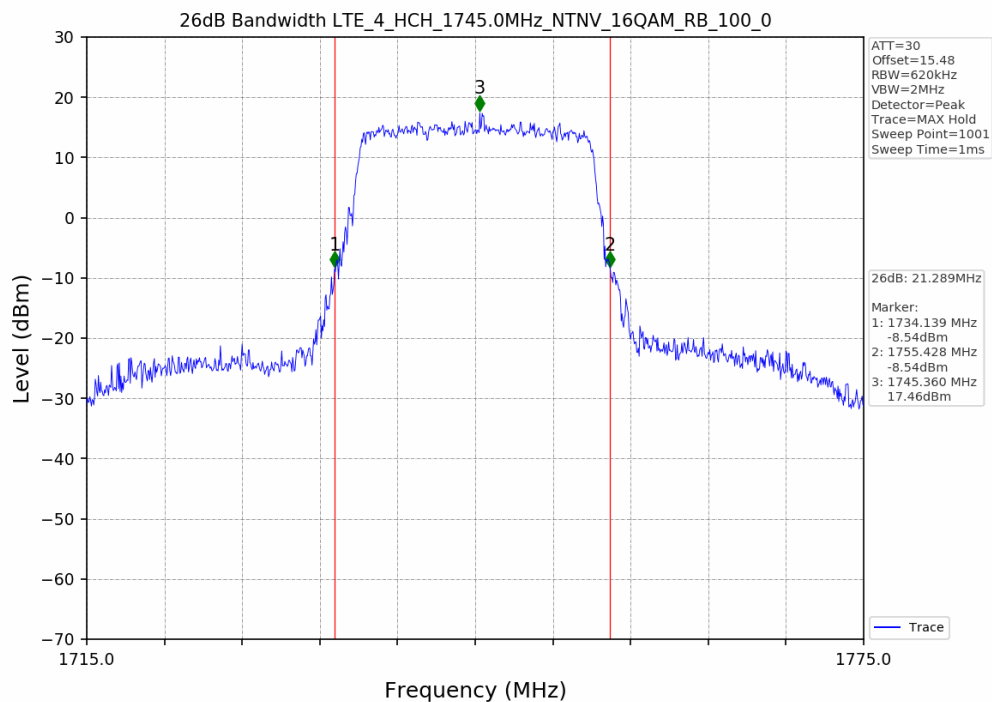


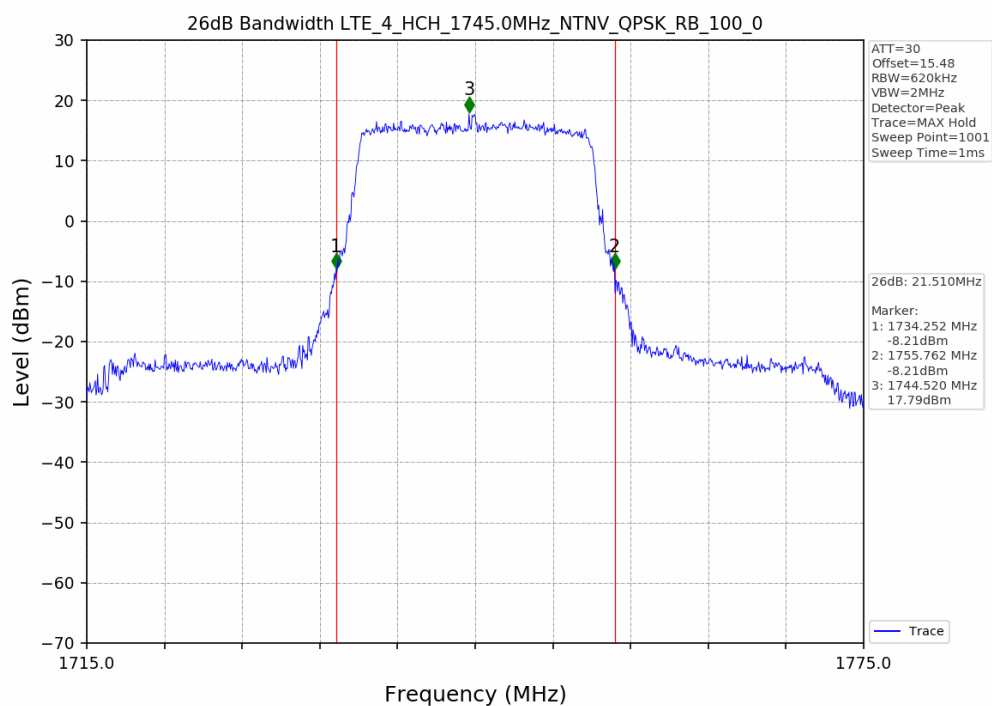
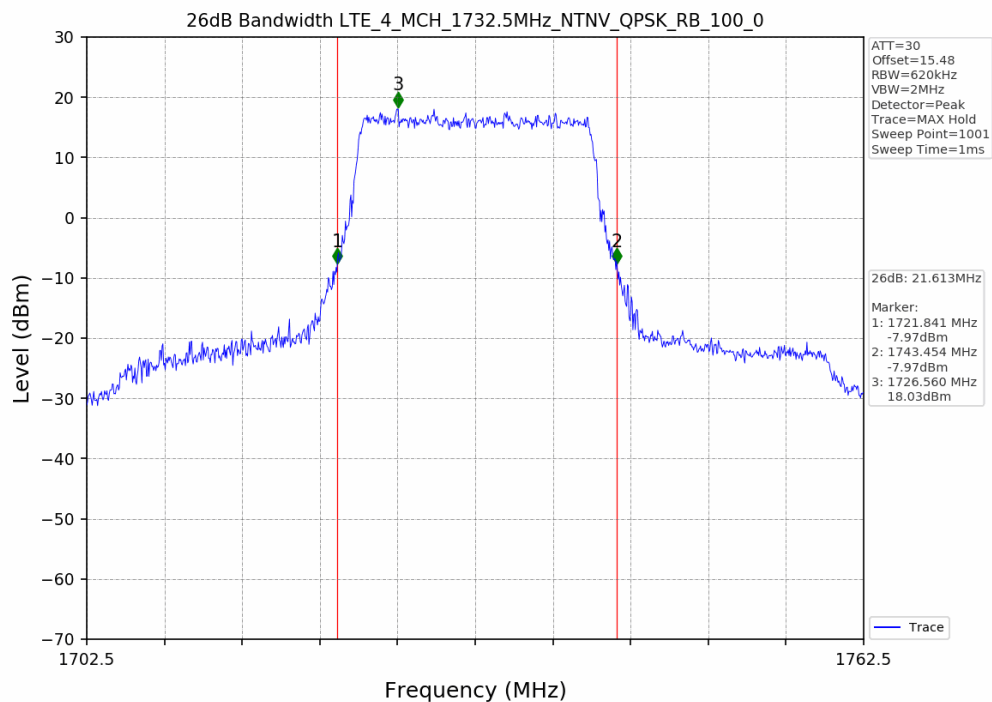
Test Band: 4 20MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	100	0	21.731	21.613	21.510	N/A	PASS
16QAM	100	0	21.055	22.049	21.289	N/A	PASS

3.2 Test Graph





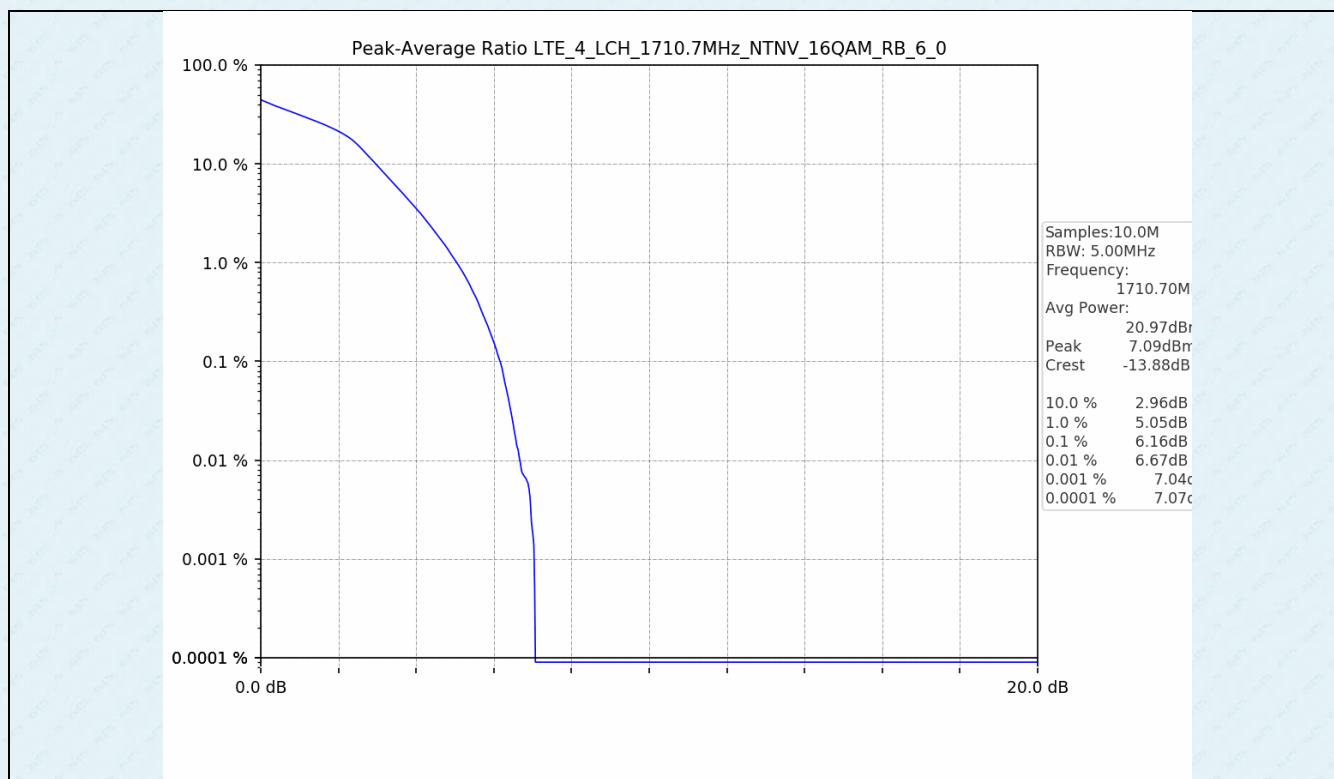


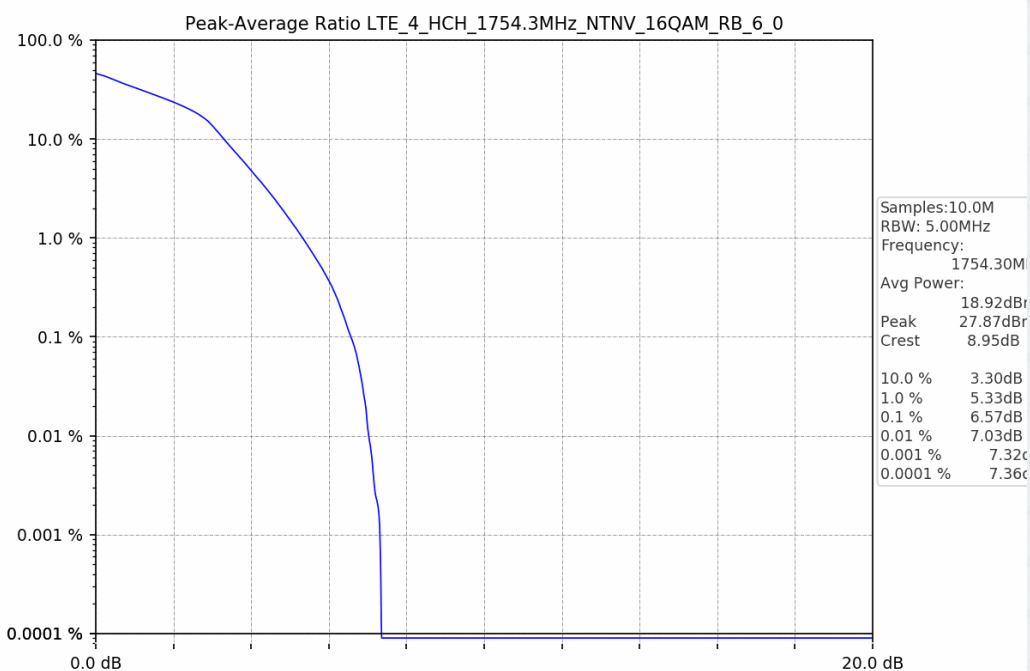
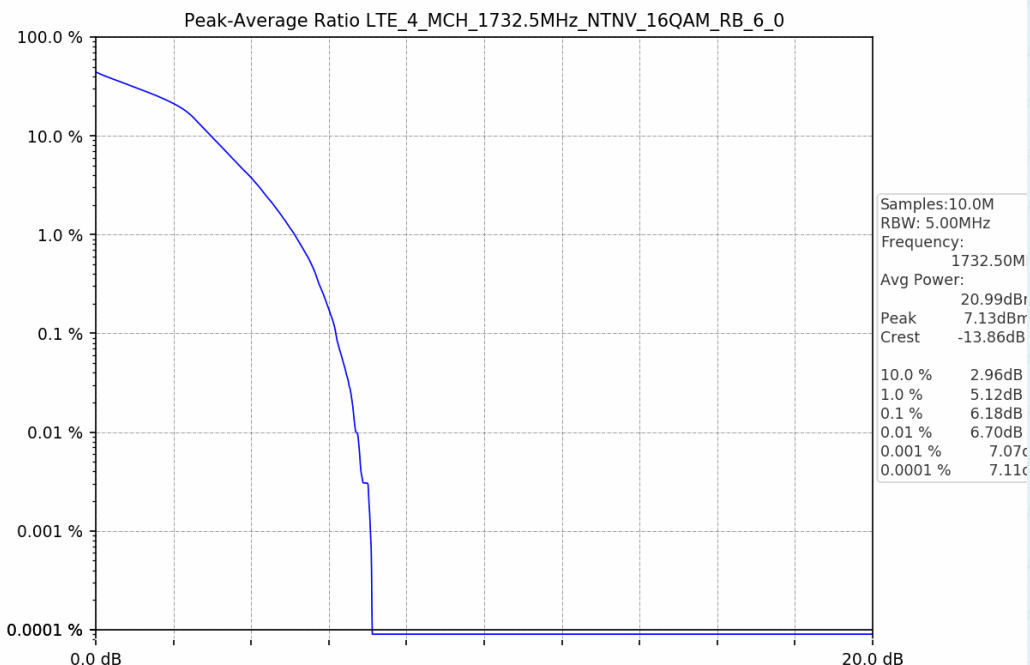
4. Peak-Average Ratio

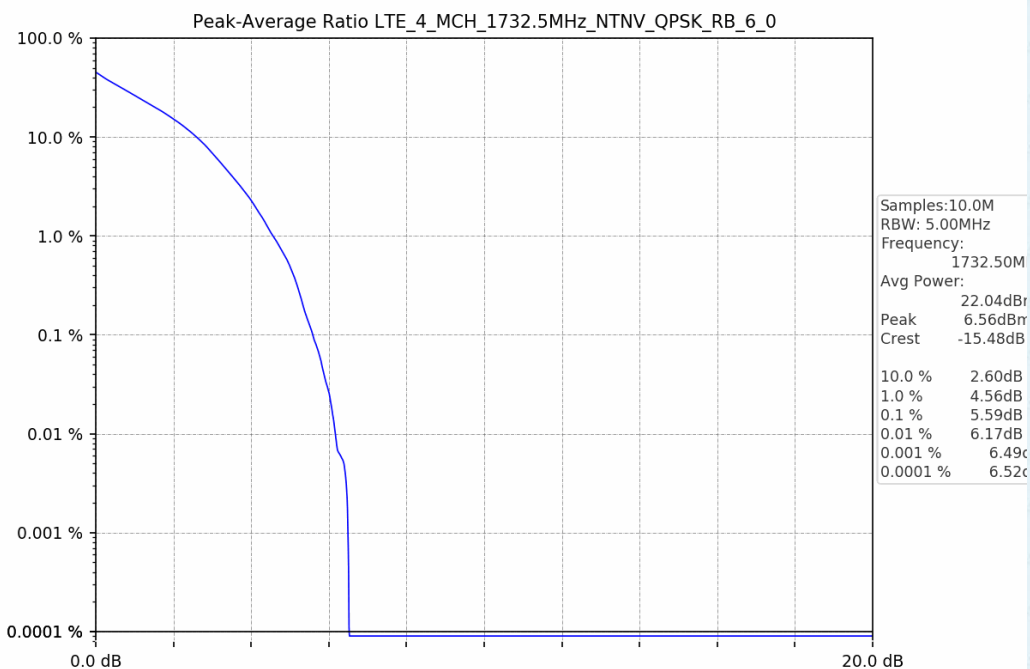
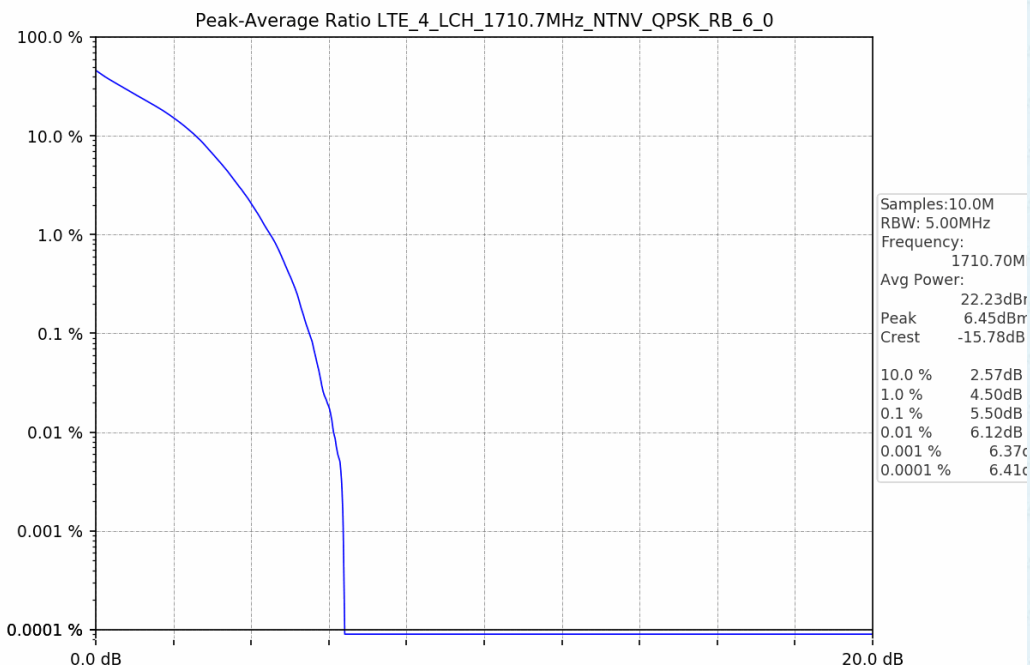
4.1 Test Result

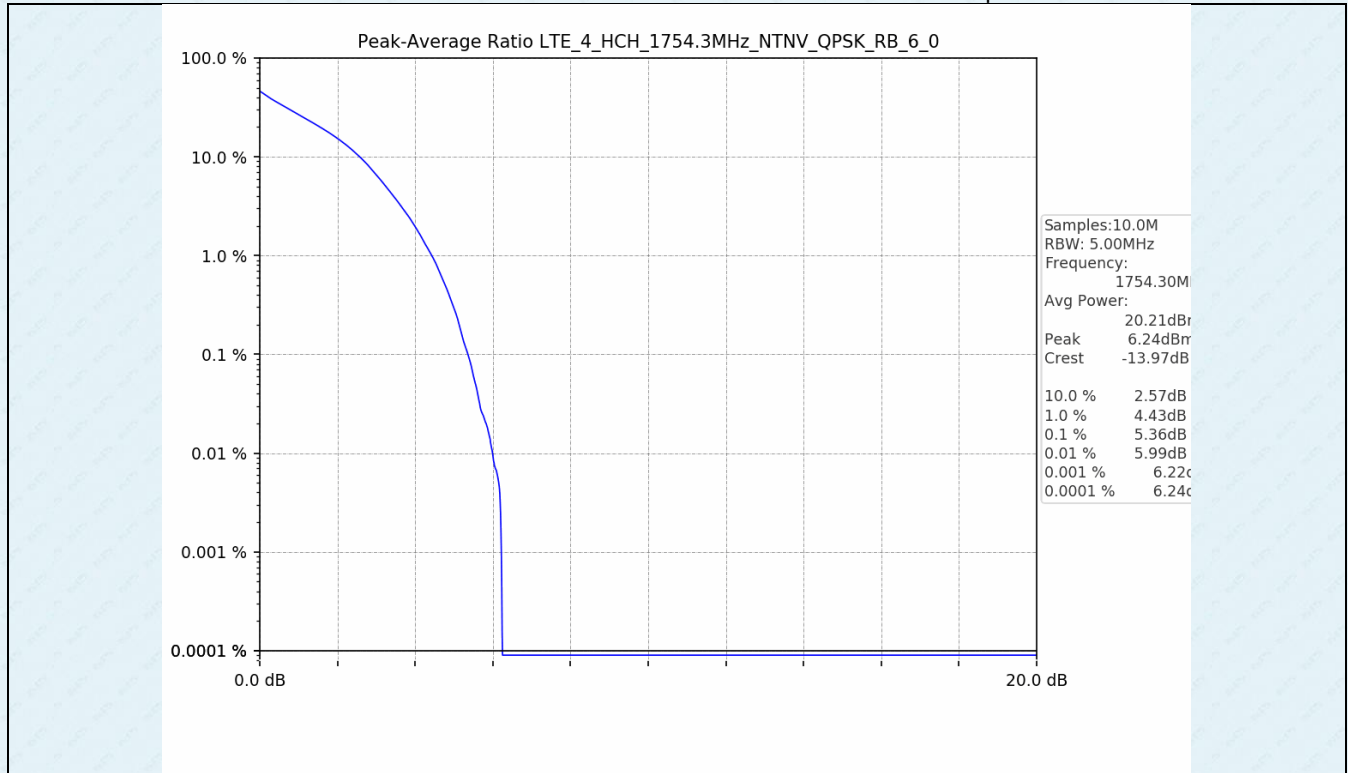
Test Band: 4_1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	5.50	5.59	5.36	13	PASS
16QAM	6	0	6.16	6.18	6.57	13	PASS

4.2 Test Graph



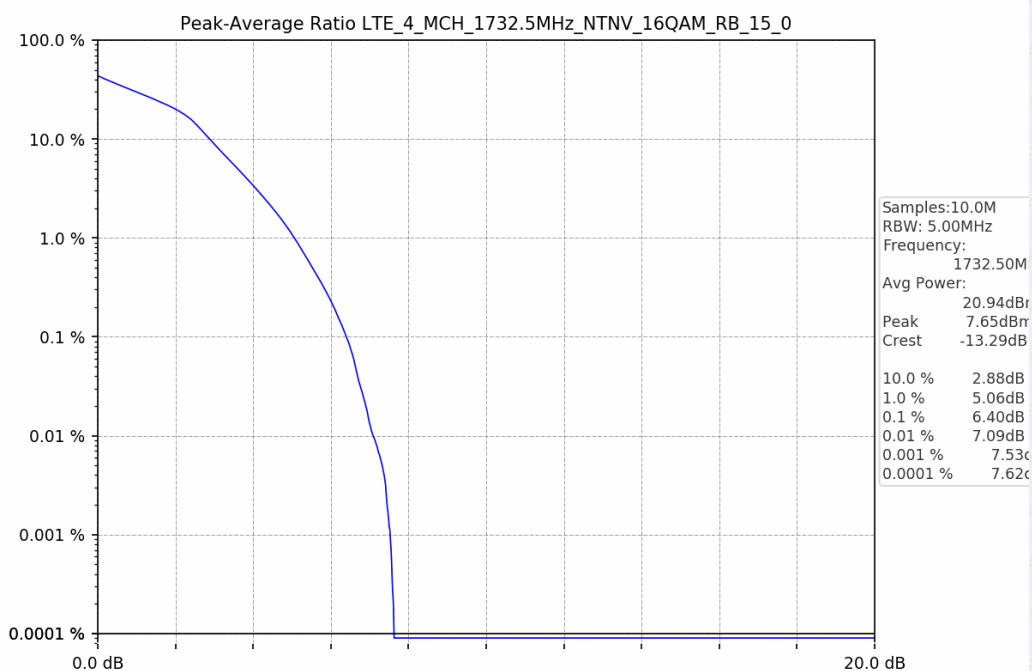
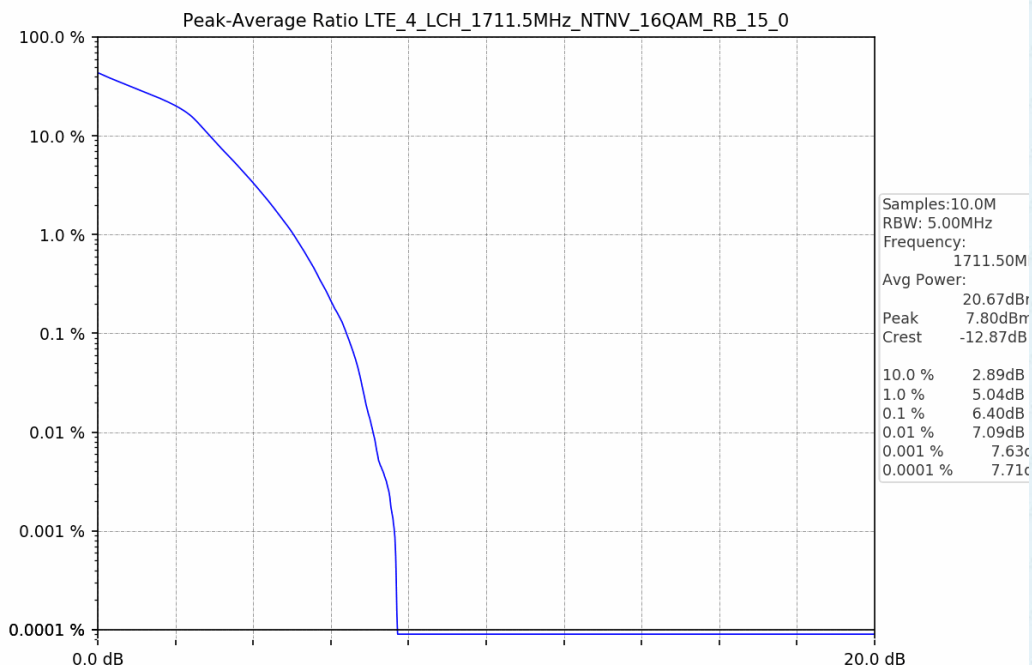


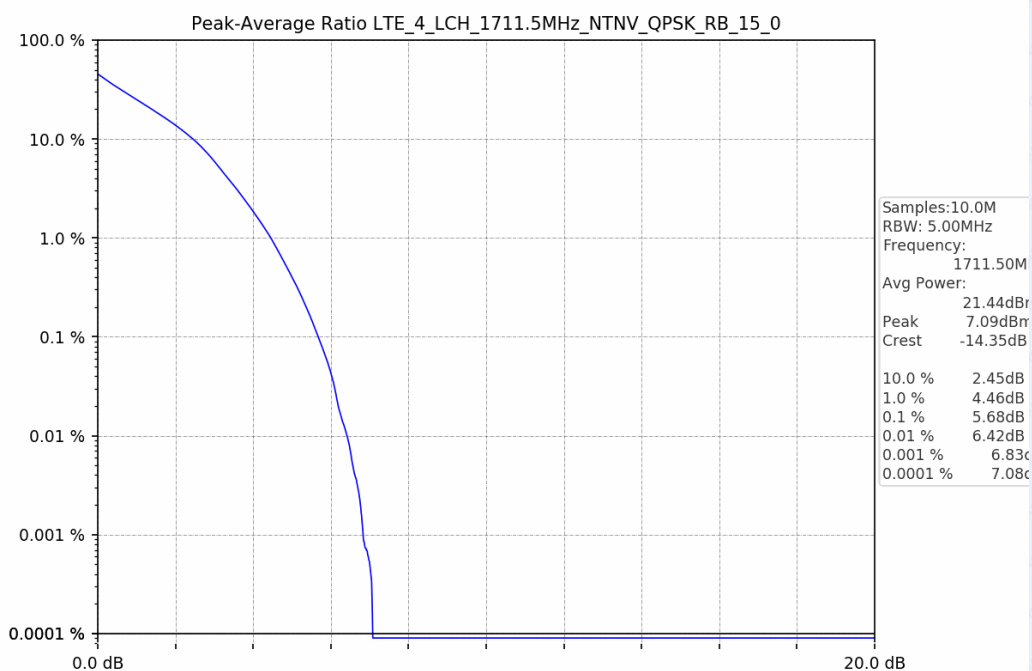
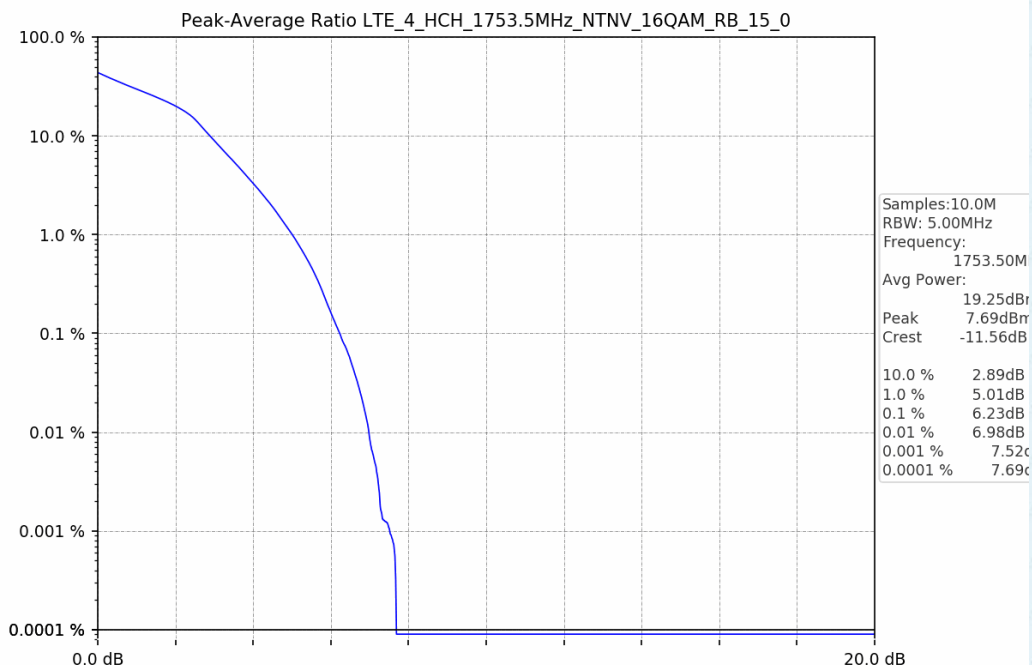


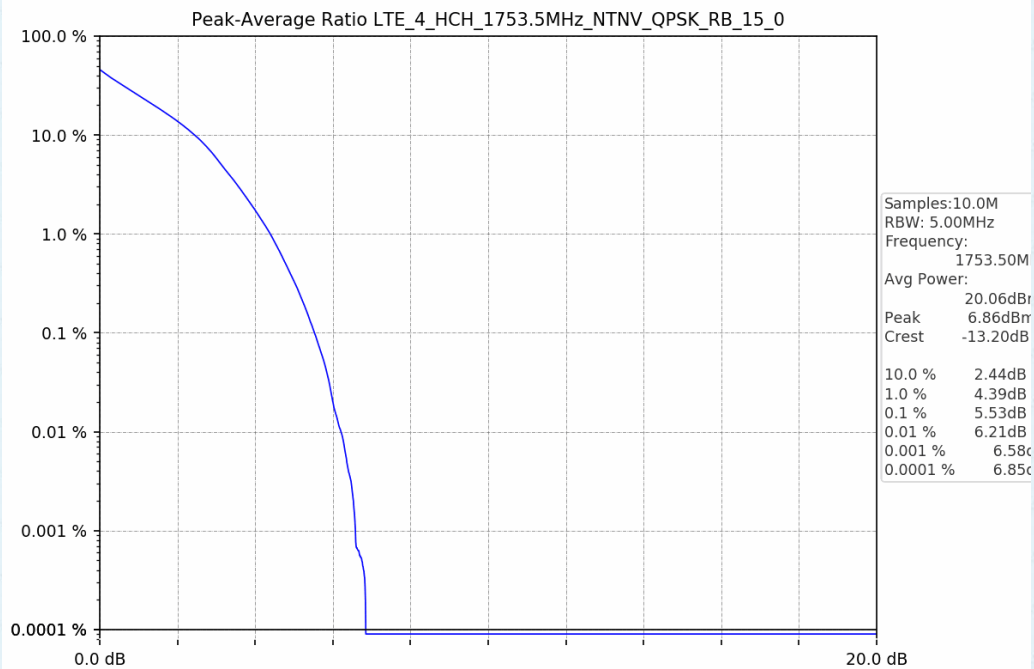
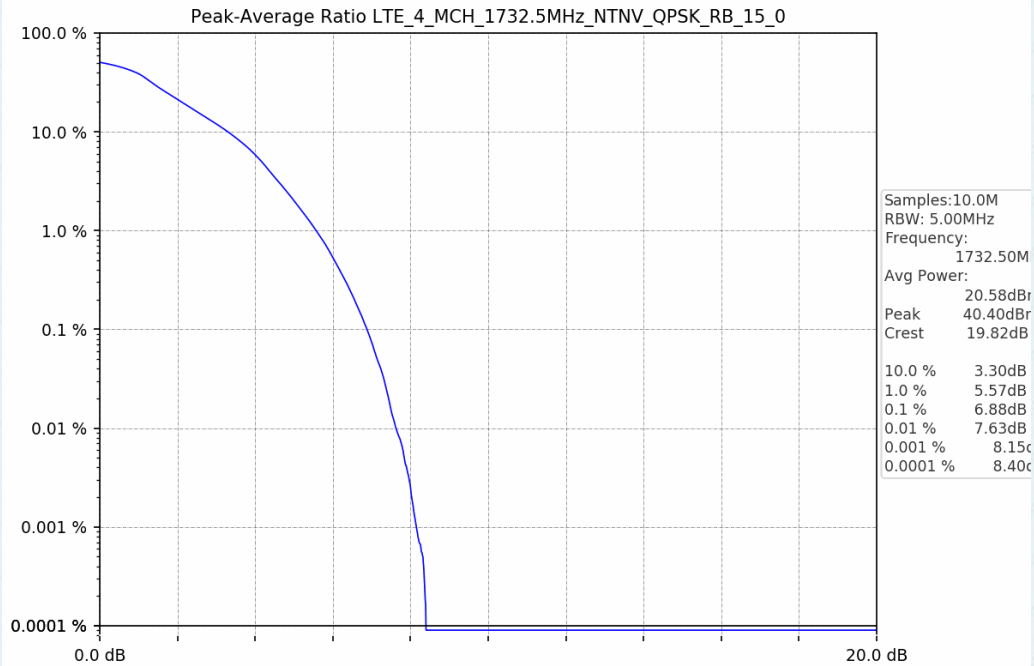


Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	5.68	6.88	5.53	13	PASS
16QAM	15	0	6.40	6.40	6.23	13	PASS

4.2 Test Graph



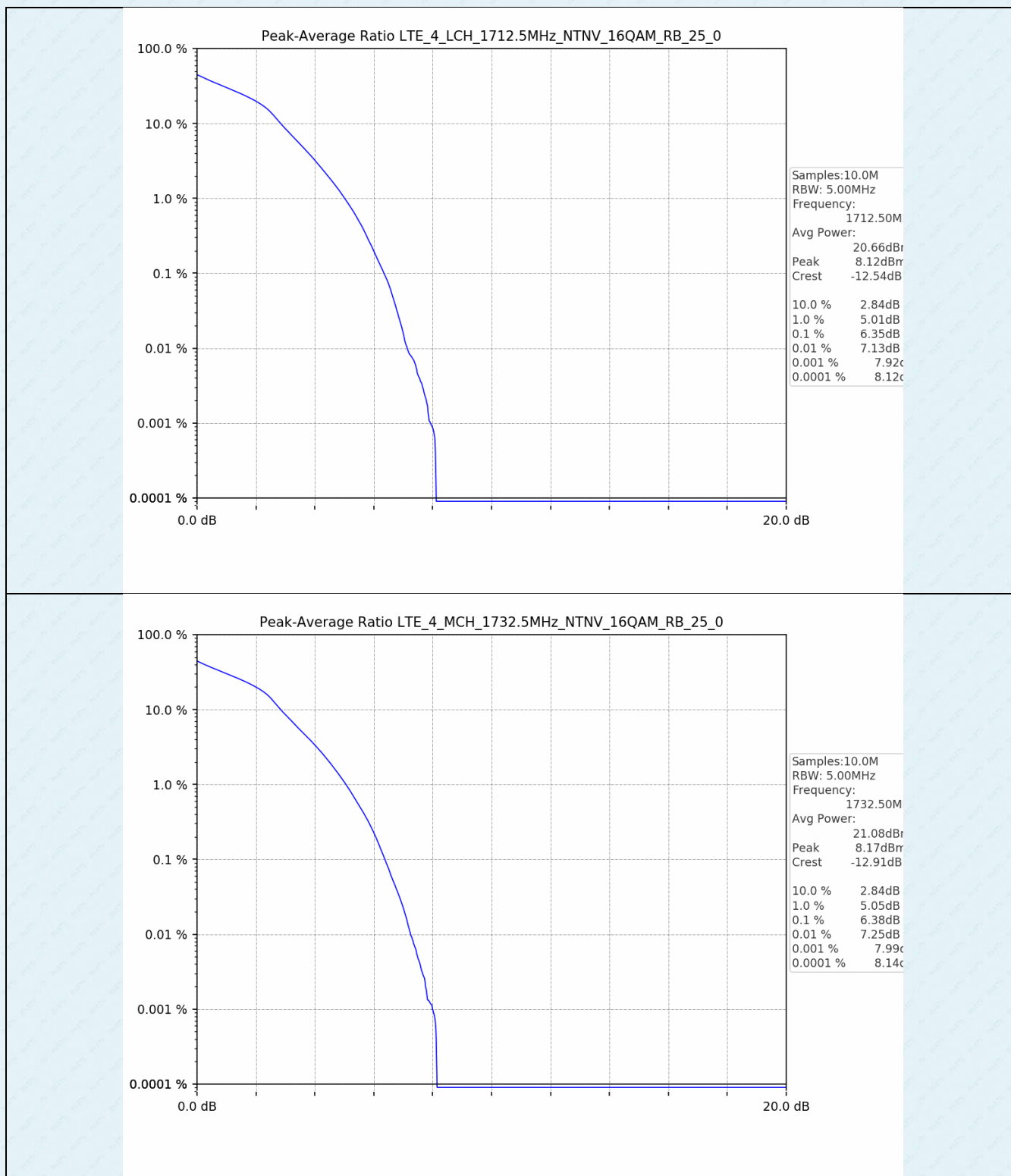


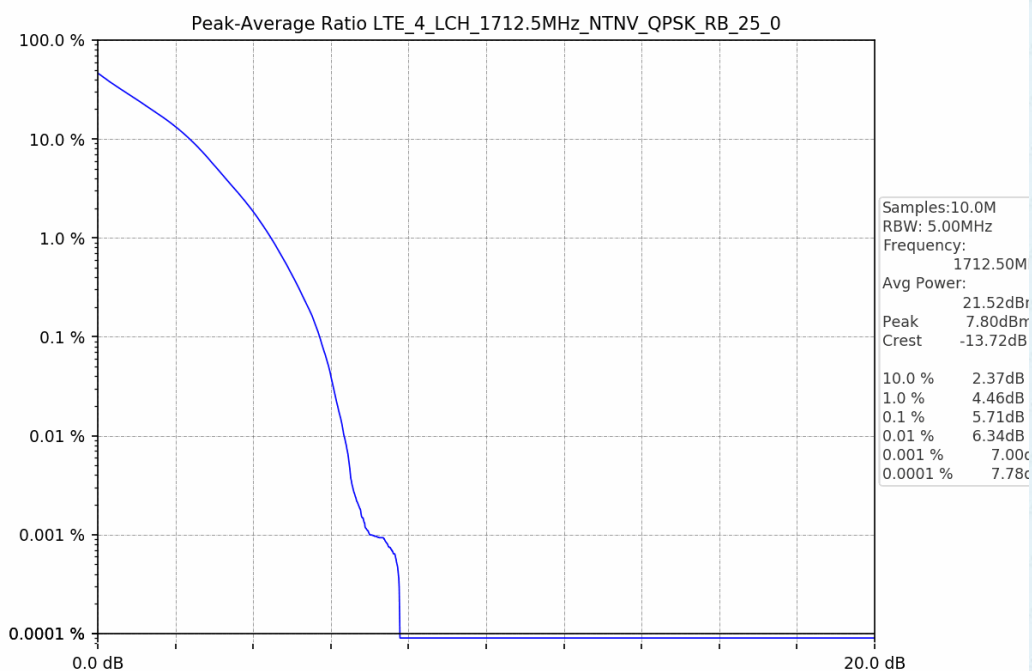
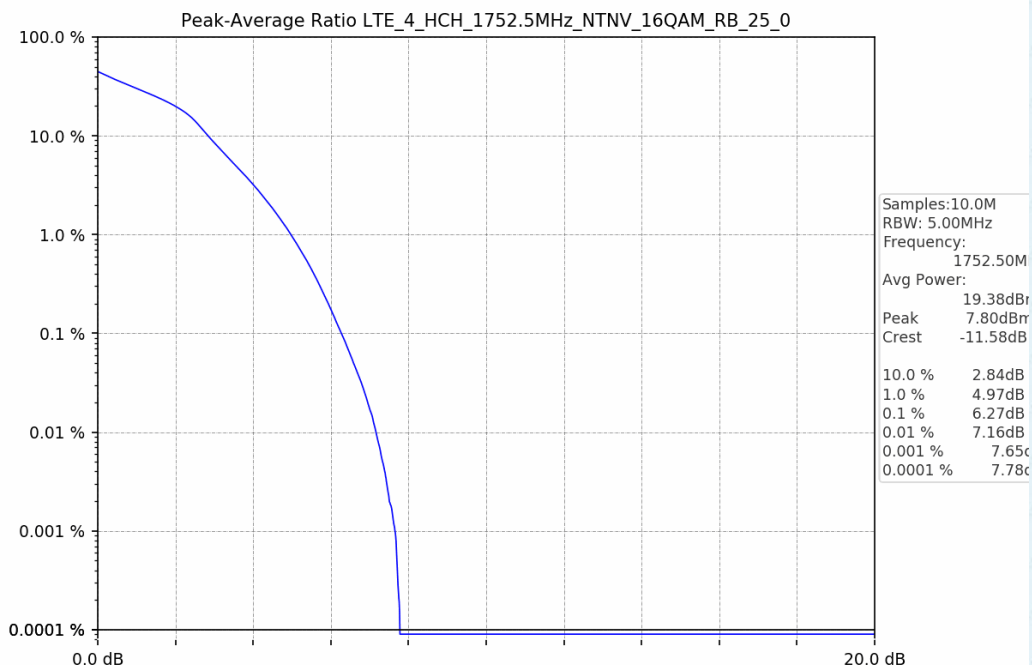


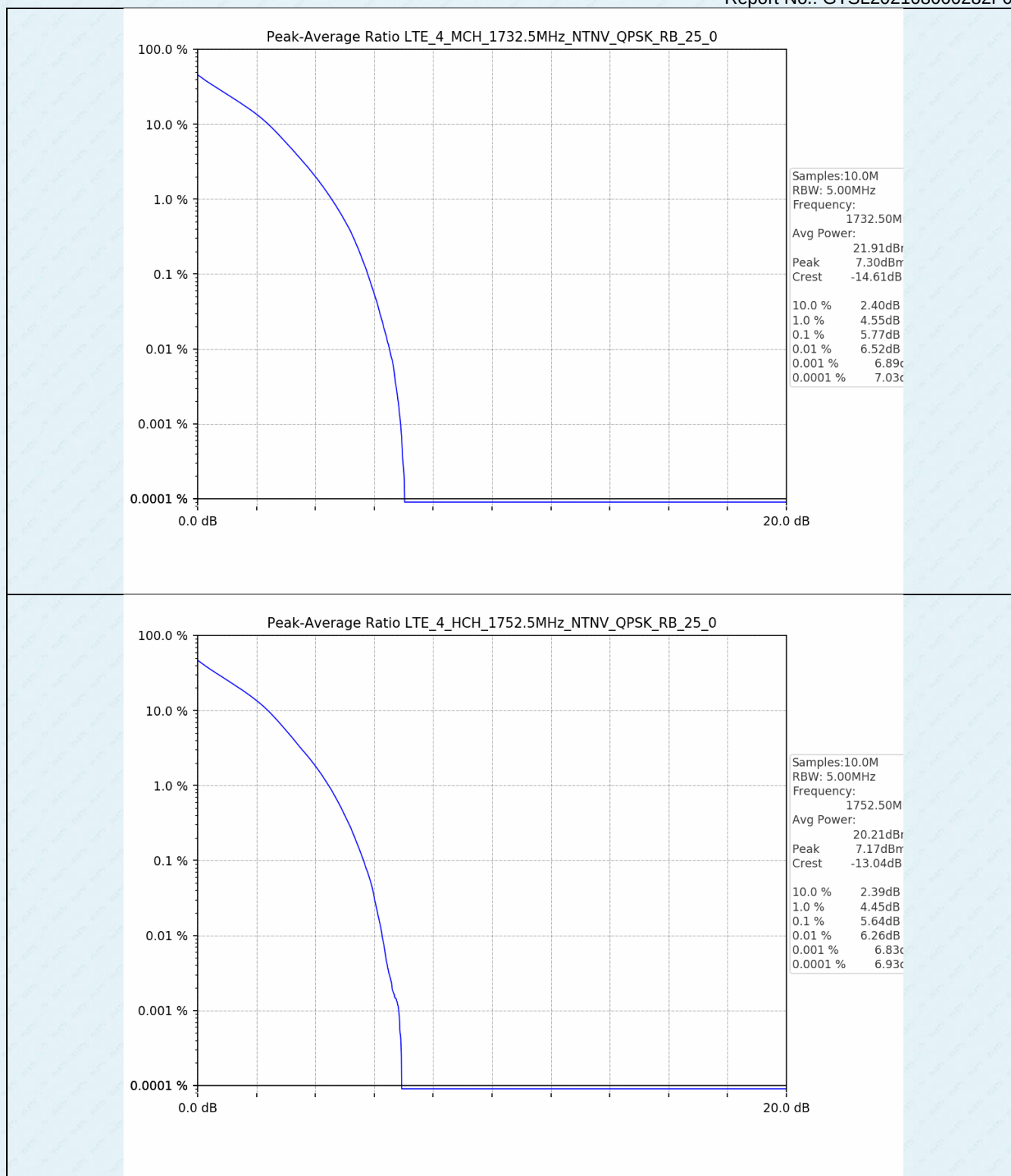
Test Band: 4 5MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	25	0	5.71	5.77	5.64	13	PASS
16QAM	25	0	6.35	6.38	6.27	13	PASS

4.2 Test Graph



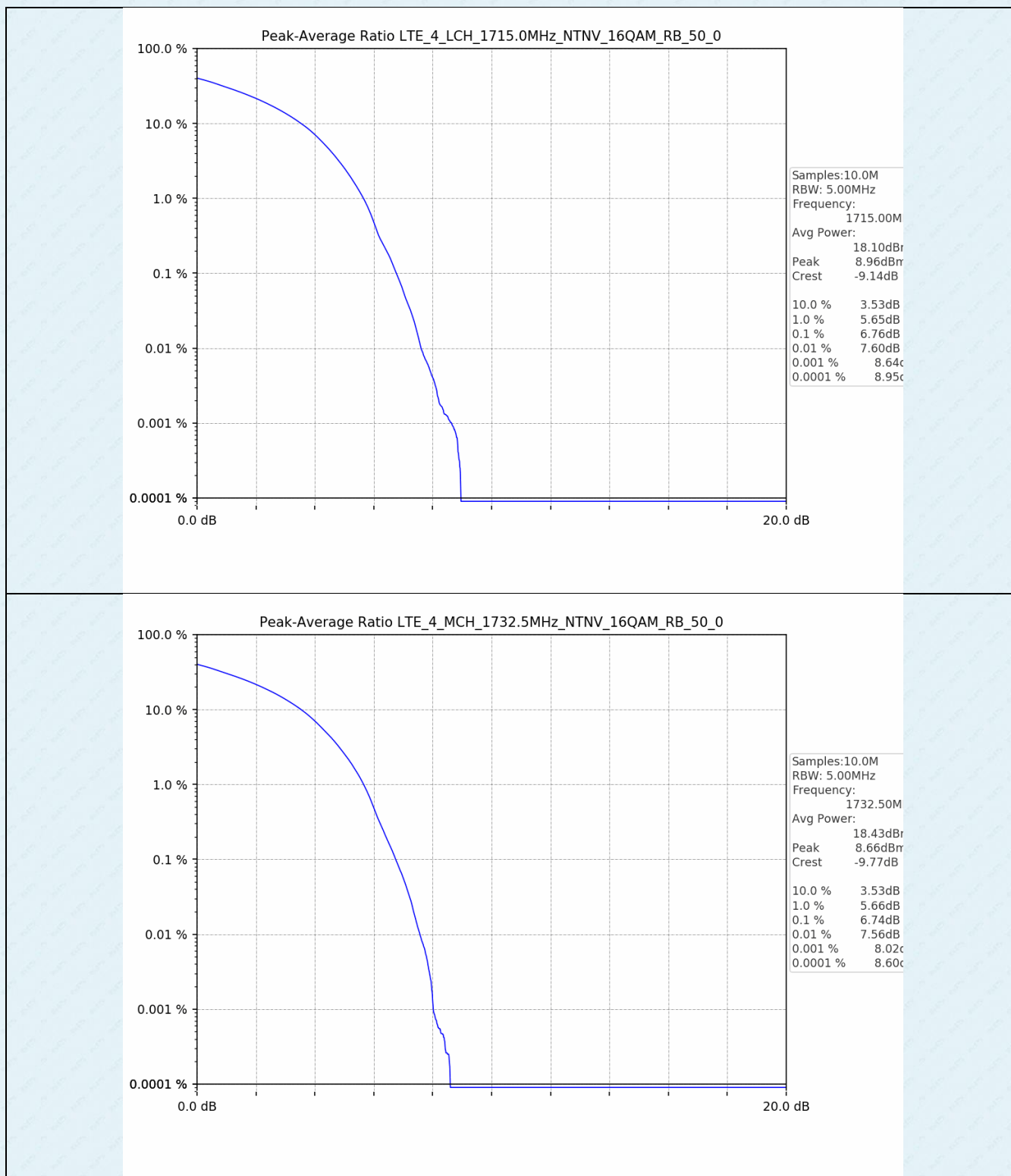


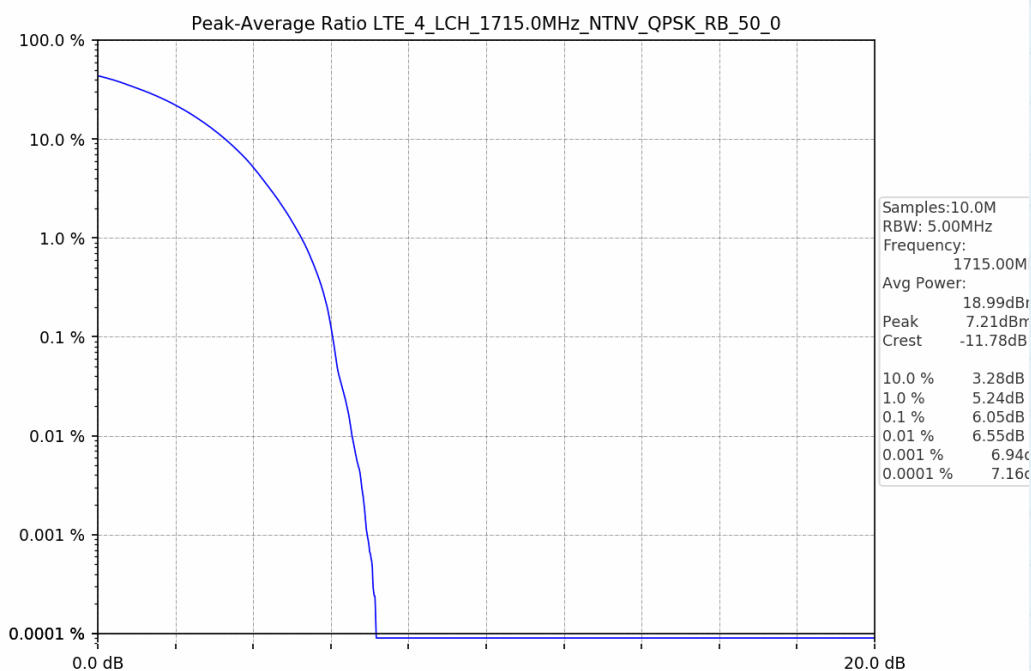
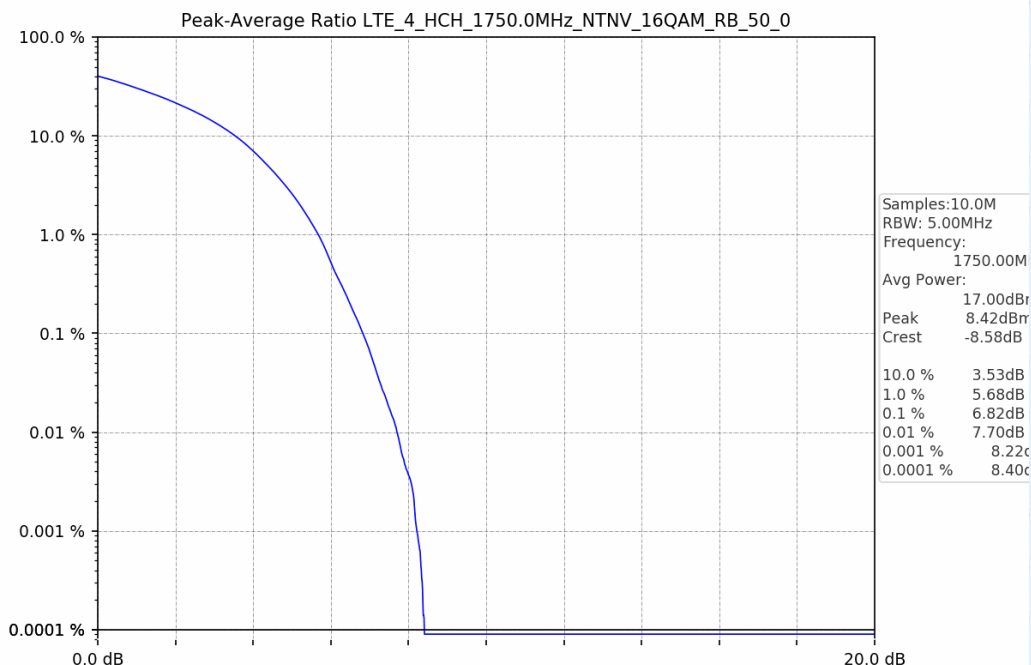


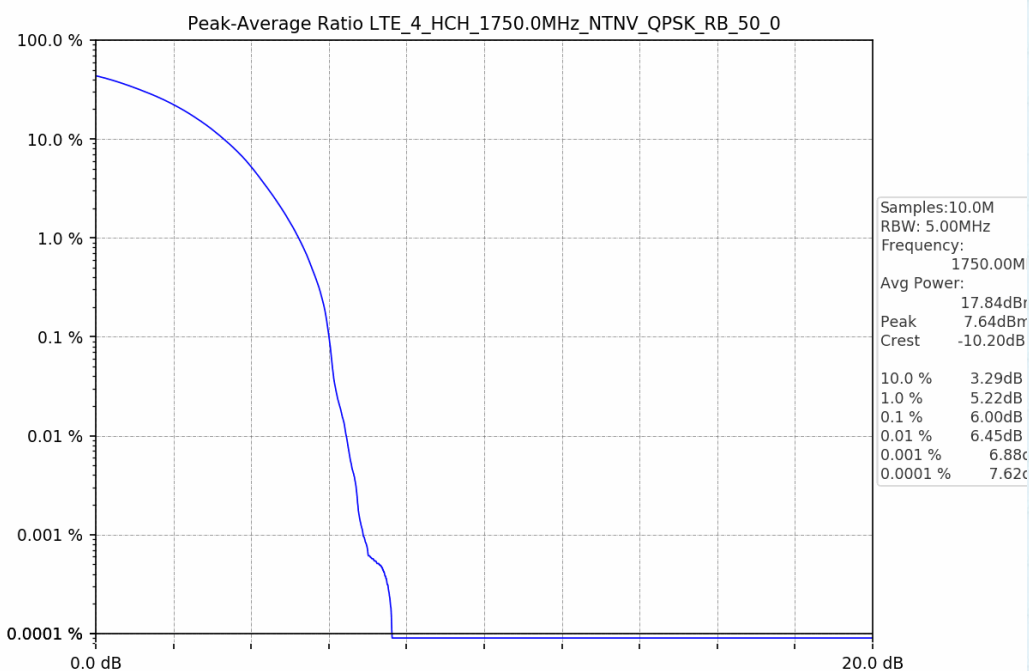
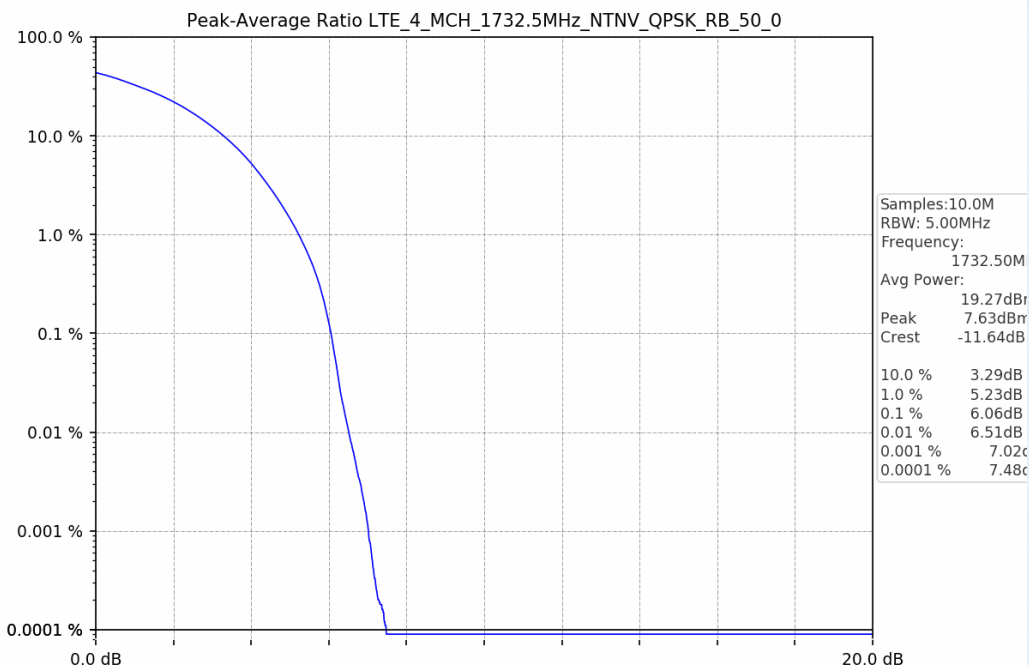
Test Band: 4 10MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	50	0	6.05	6.06	6.00	13	PASS
16QAM	50	0	6.76	6.74	6.82	13	PASS

4.2 Test Graph



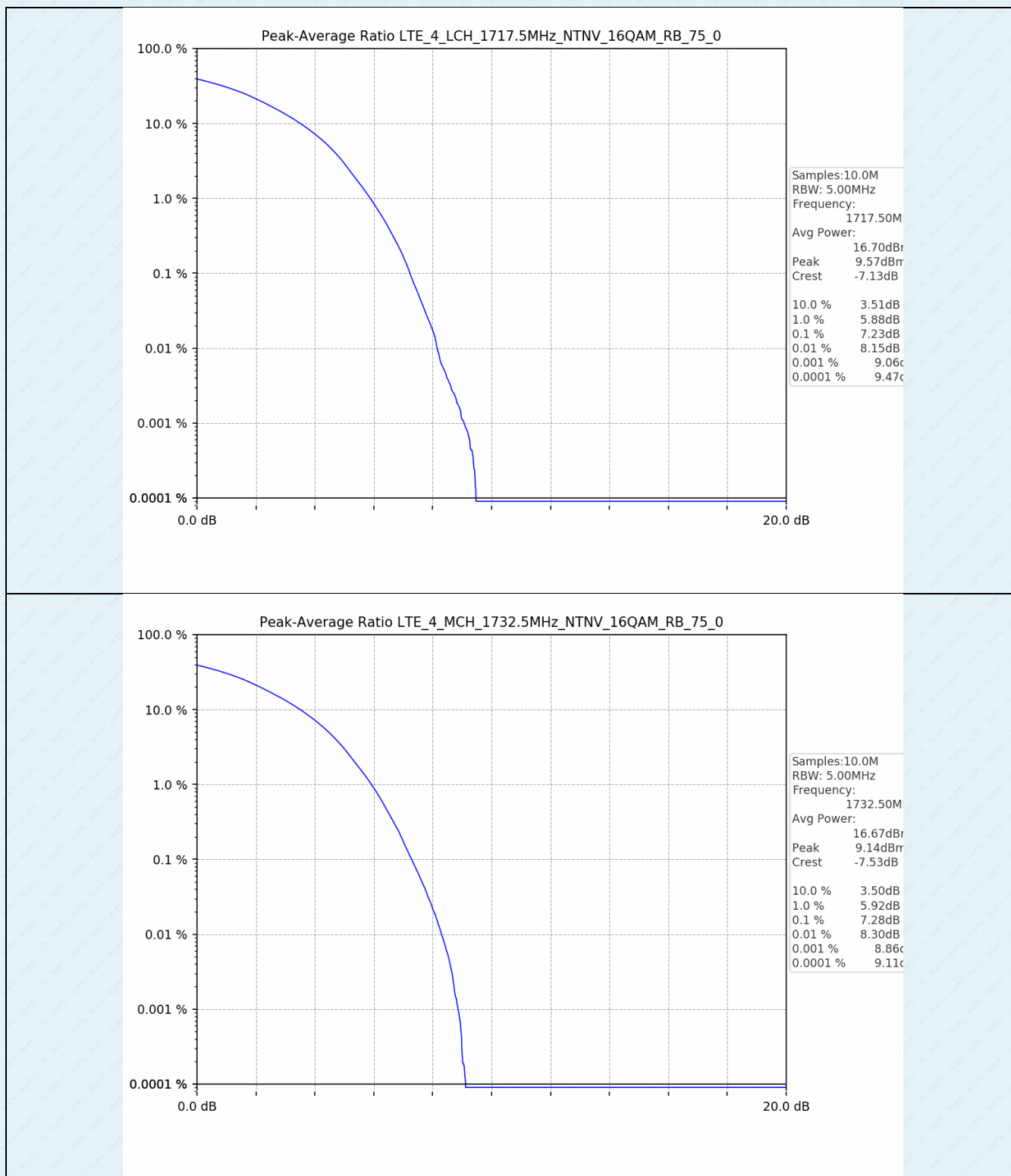


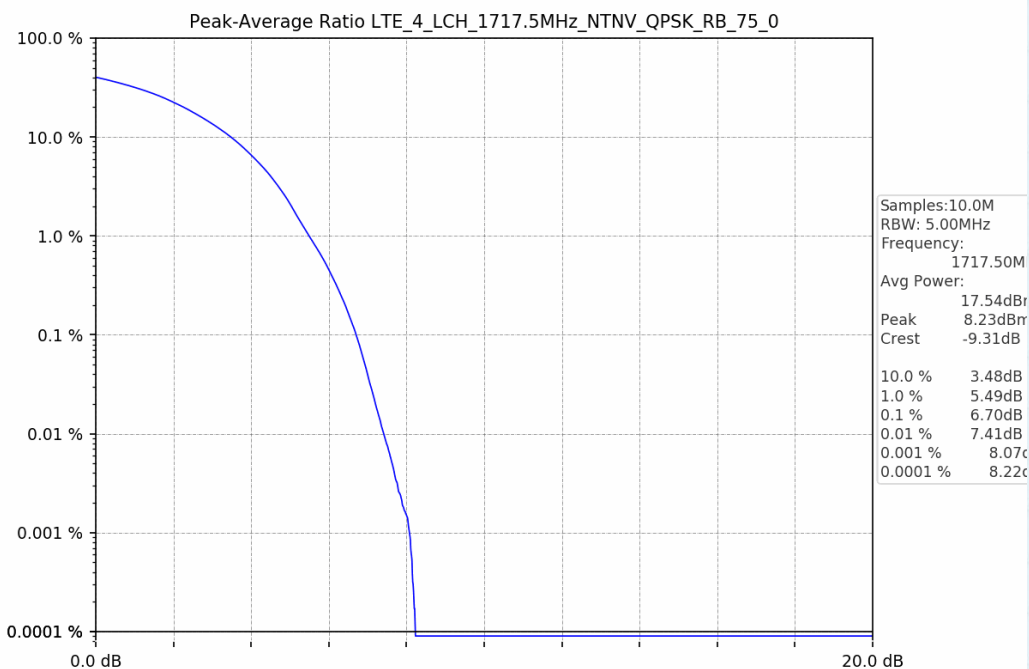
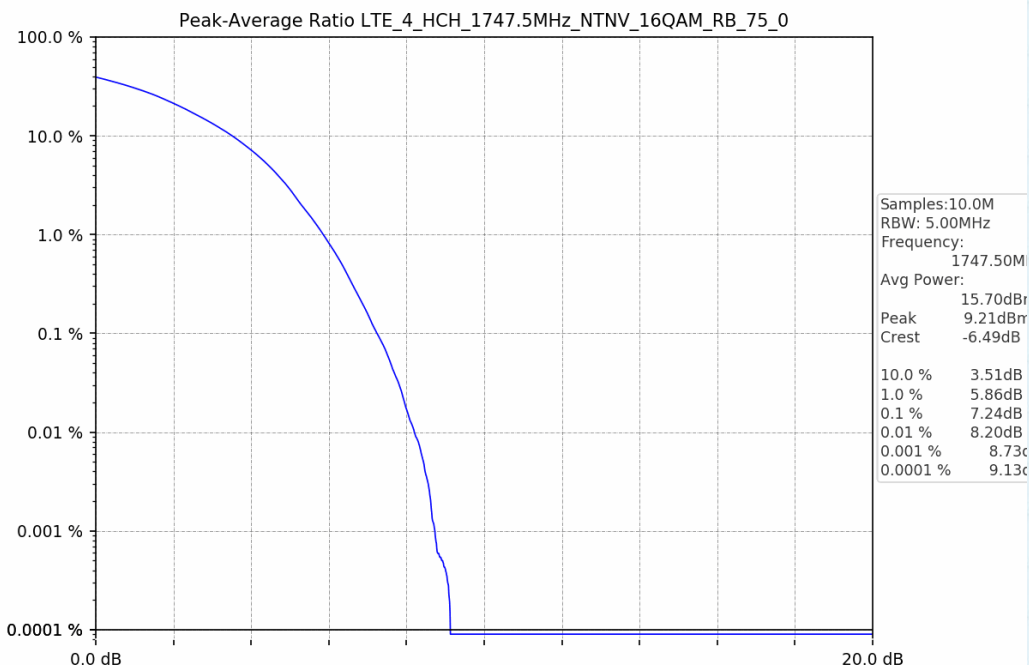


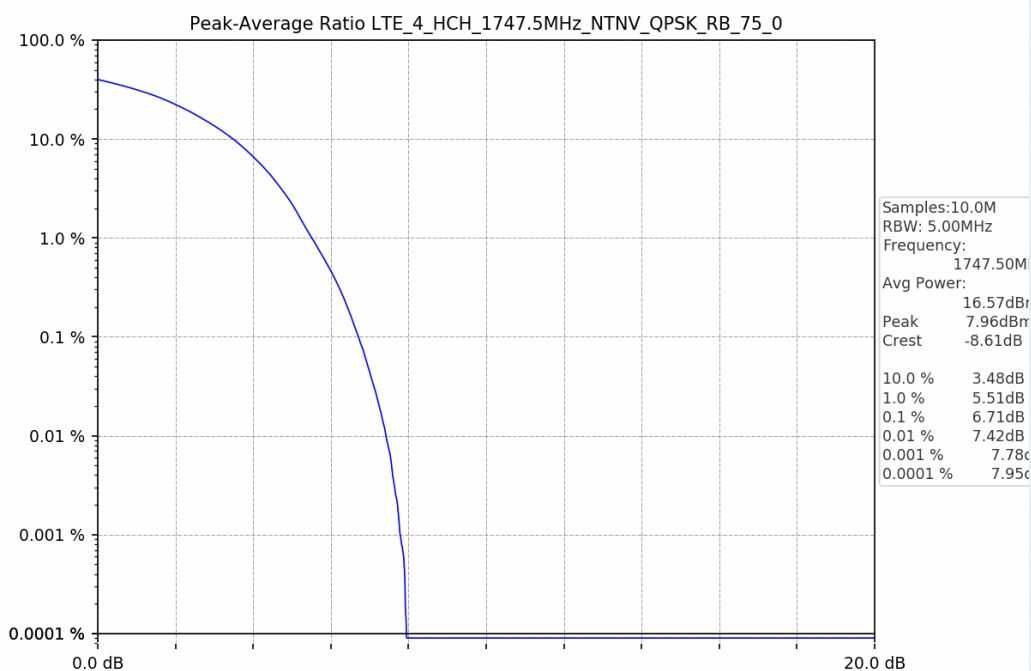
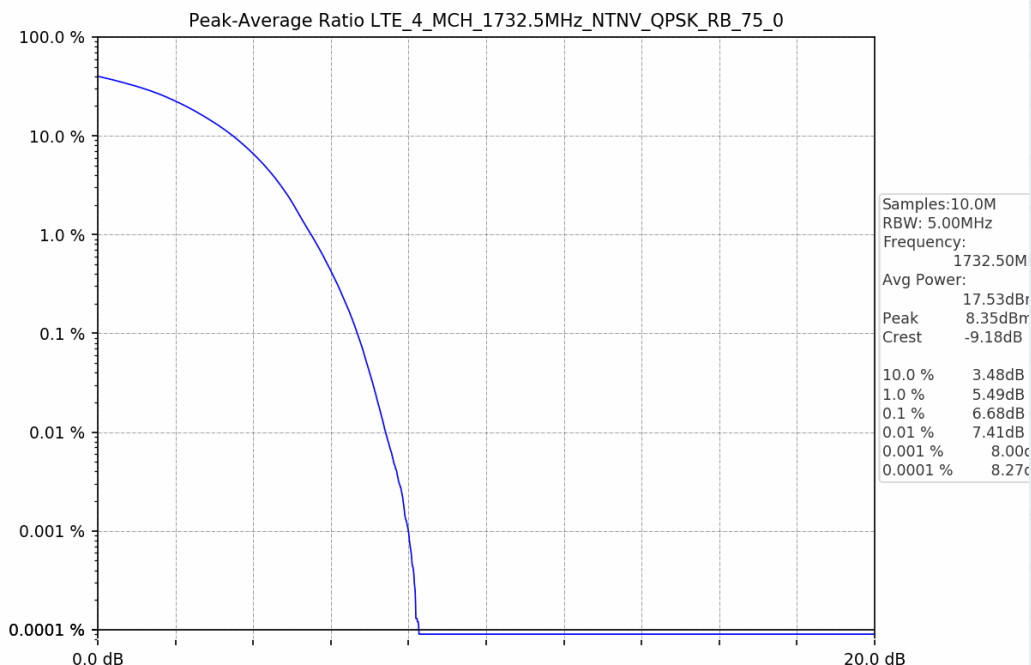
Test Band: 4 15MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	75	0	6.70	6.68	6.71	13	PASS
16QAM	75	0	7.23	7.28	7.24	13	PASS

4.2 Test Graph



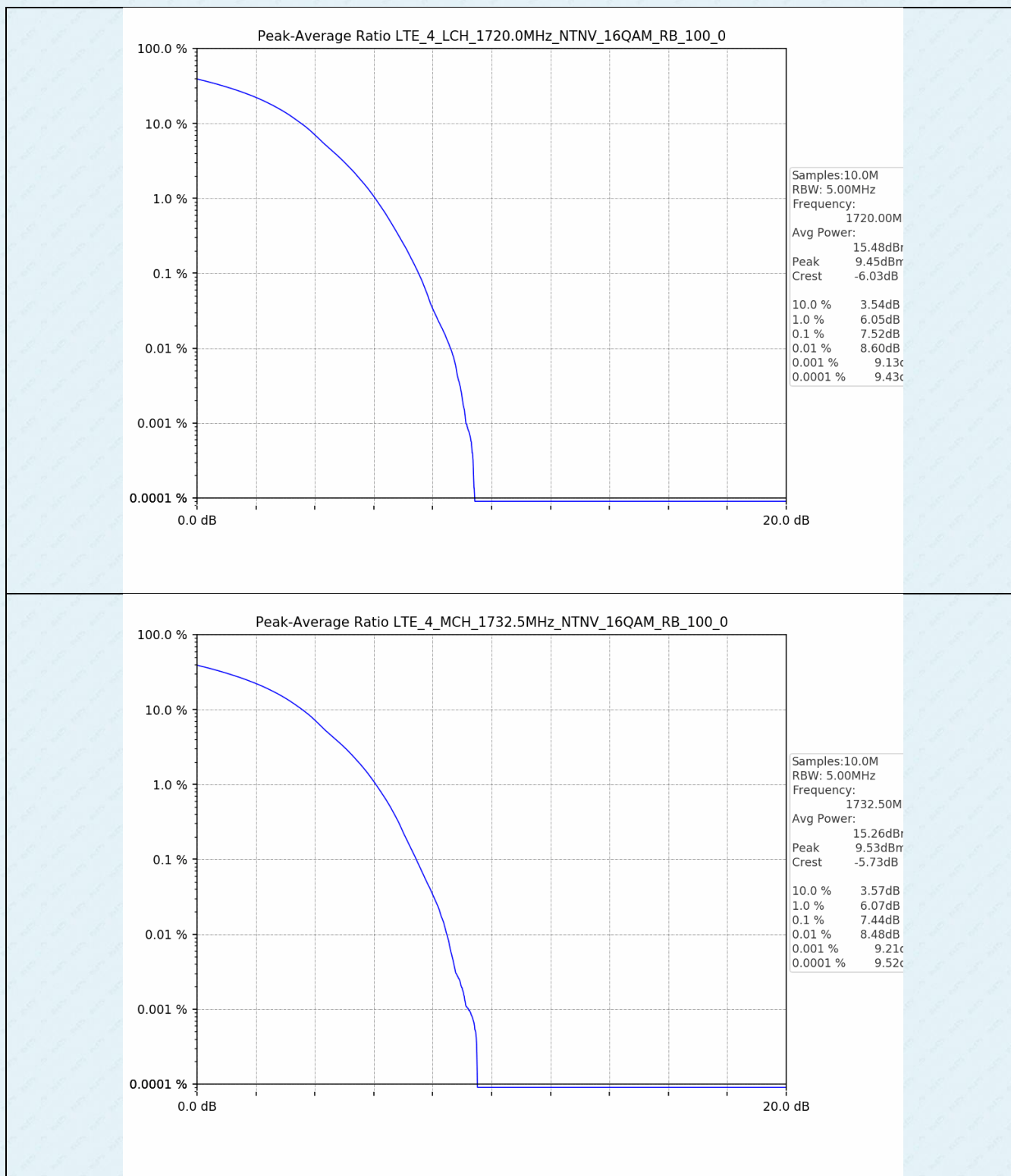


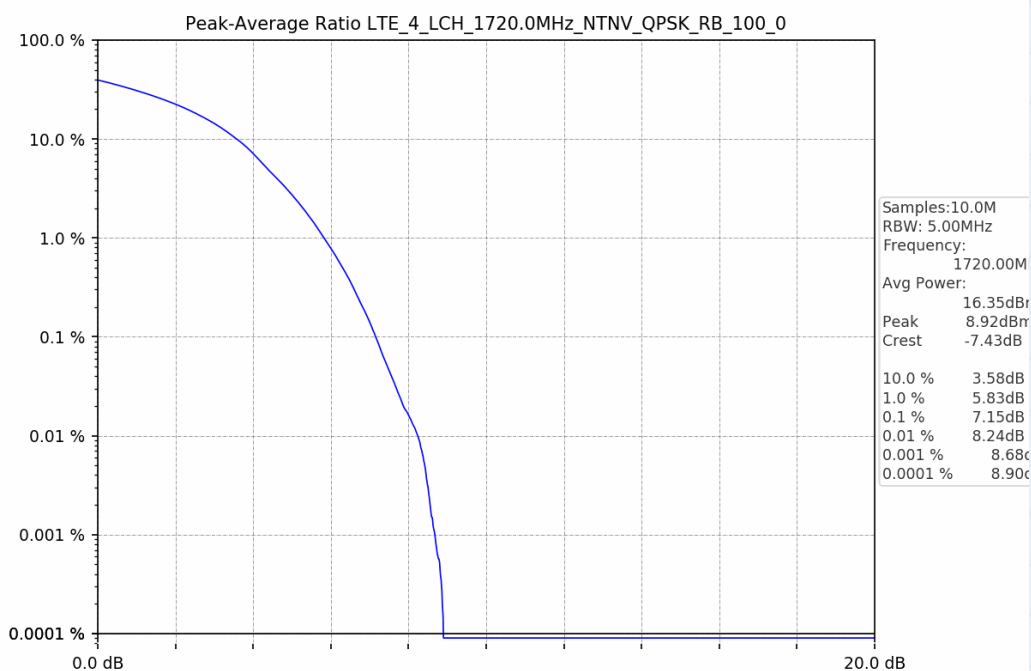
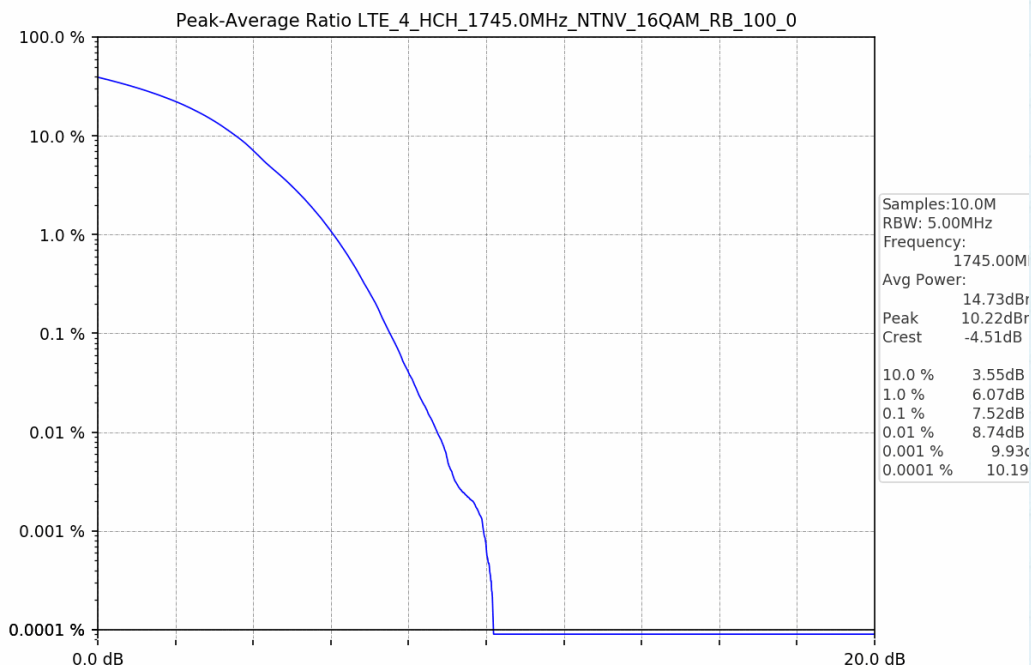


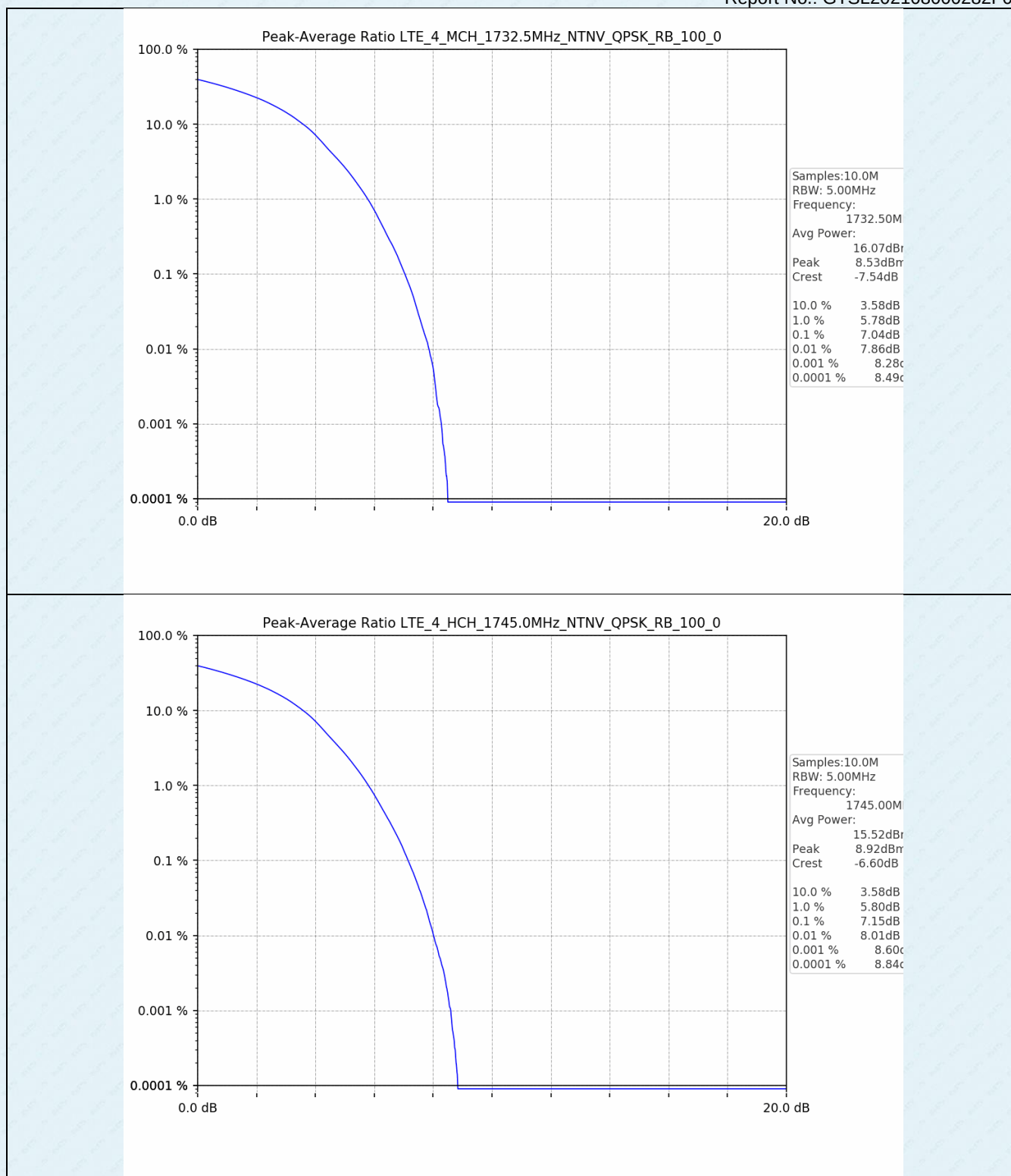
Test Band: 4 20MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	100	0	7.15	7.04	7.15	13	PASS
16QAM	100	0	7.52	7.44	7.52	13	PASS

4.2 Test Graph







5. Spurious Emission