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# Appendix G

**Product Name:** Siyata SD7

**Model:** SD7



# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

Test Band: 7 _ 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	21.86	22.73	22.25	/	0.41	22.27	23.14	22.66	33.01	PASS
		13	22.13	22.95	22.46	/	0.41	22.54	23.36	22.87	33.01	PASS
		24	22.23	22.97	22.43	/	0.41	22.64	23.38	22.84	33.01	PASS
	12	0	20.91	21.76	21.29	/	0.41	21.32	22.17	21.70	33.01	PASS
		6	21.02	21.84	21.35	/	0.41	21.43	22.25	21.76	33.01	PASS
		13	21.13	21.88	21.39	/	0.41	21.54	22.29	21.80	33.01	PASS
16QAM	1	0	21.02	21.78	21.36	/	0.41	21.43	22.19	21.77	33.01	PASS
			20.95	21.87	21.17	/	0.41	21.36	22.28	21.58	33.01	PASS
		13	21.27	22.10	21.33	/	0.41	21.68	22.51	21.74	33.01	PASS
	12	24	21.41	22.12	21.32	/	0.41	21.82	22.53	21.73	33.01	PASS
		0	19.87	20.75	20.31	/	0.41	20.28	21.16	20.72	33.01	PASS
		6	20.04	20.85	20.36	/	0.41	20.45	21.26	20.77	33.01	PASS
	25	13	20.10	20.87	20.38	/	0.41	20.51	21.28	20.78	33.01	PASS
		0	20.02	20.74	20.35	/	0.41	20.43	21.15	20.76	33.01	PASS

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

Test Band: 7 _ 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	21.85	22.44	21.83	/	0.41	22.26	22.85	22.24	33.01	PASS
		25	22.22	22.80	22.21	/	0.41	22.63	23.21	22.62	33.01	PASS
		49	22.14	22.85	22.44	/	0.41	22.55	23.26	22.85	33.01	PASS
	25	0	20.97	21.62	21.03	/	0.41	21.38	22.03	21.44	33.01	PASS
		13	21.07	21.79	21.24	/	0.41	21.48	22.20	21.65	33.01	PASS
		25	21.18	21.90	21.32	/	0.41	21.59	22.31	21.73	33.01	PASS
16QAM	1	0	20.98	21.70	21.22	/	0.41	21.39	22.11	21.63	33.01	PASS
			20.86	21.54	21.39	/	0.41	21.27	21.95	21.80	33.01	PASS
		25	21.23	21.91	21.69	/	0.41	21.64	22.32	22.10	33.01	PASS
	25	49	21.21	21.98	21.83	/	0.41	21.62	22.39	22.24	33.01	PASS
		0	20.03	20.57	20.10	/	0.41	20.44	20.98	20.51	33.01	PASS
		13	20.16	20.78	20.29	/	0.41	20.57	21.19	20.70	33.01	PASS
	50	25	20.26	20.83	20.35	/	0.41	20.67	21.24	20.76	33.01	PASS
		0	19.99	20.70	20.15	/	0.41	20.40	21.11	20.56	33.01	PASS

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

Test Band: 7 _ 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	21.90	22.30	21.38	/	0.41	22.31	22.71	21.79	33.01	PASS
		38	22.10	22.77	22.08	/	0.41	22.51	23.18	22.49	33.01	PASS
		74	21.93	22.72	22.52	/	0.41	22.34	23.13	22.93	33.01	PASS
	36	0	20.96	21.58	20.93	/	0.41	21.37	21.99	21.34	33.01	PASS
		18	21.12	21.83	21.09	/	0.41	21.53	22.24	21.50	33.01	PASS



16QAM	75	39	21.07	21.90	21.39	/	0.41	21.48	22.31	21.80	33.01	PASS
		0	21.02	21.68	21.20	/	0.41	21.43	22.09	21.61	33.01	PASS
	1		21.19	21.40	21.23	/	0.41	21.60	21.81	21.64	33.01	PASS
		38	21.57	21.87	21.59	/	0.41	21.98	22.28	22.00	33.01	PASS
		74	21.38	21.93	21.88	/	0.41	21.79	22.34	22.29	33.01	PASS
	36	0	20.06	20.61	19.94	/	0.41	20.47	21.02	20.35	33.01	PASS
		18	20.21	20.87	20.15	/	0.41	20.62	21.28	20.56	33.01	PASS
		39	20.15	20.95	20.34	/	0.41	20.56	21.36	20.75	33.01	PASS
	75	0	20.07	20.71	20.22	/	0.41	20.48	21.12	20.63	33.01	PASS

Note:

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

Test Band: 7 _ 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	21.84	22.04	21.44	/	0.41	22.25	22.45	21.85	33.01	PASS	
		50	22.05	22.82	21.85	/	0.41	22.46	23.23	22.26	33.01	PASS	
		99	21.63	22.44	22.49	/	0.41	22.04	22.85	22.90	33.01	PASS	
	50	0	21.07	21.35	20.86	/	0.41	21.48	21.76	21.27	33.01	PASS	
		25	21.12	21.70	21.12	/	0.41	21.53	22.11	21.53	33.01	PASS	
		50	20.82	21.80	21.25	/	0.41	21.23	22.21	21.66	33.01	PASS	
	100	0	20.97	21.58	21.16	/	0.41	21.38	21.99	21.57	33.01	PASS	
	16QAM	1		21.34	21.15	21.04	/	0.41	21.75	21.56	21.45	33.01	PASS
			50	21.68	21.90	21.19	/	0.41	22.09	22.31	21.60	33.01	PASS
99			21.17	21.69	21.72	/	0.41	21.58	22.10	22.13	33.01	PASS	
50		0	20.07	20.35	19.94	/	0.41	20.48	20.76	20.35	33.01	PASS	
		25	20.14	20.69	20.15	/	0.41	20.55	21.10	20.56	33.01	PASS	
		50	19.82	20.80	20.29	/	0.41	20.23	21.21	20.70	33.01	PASS	
100		0	20.02	20.51	20.20	/	0.41	20.43	20.92	20.61	33.01	PASS	

Note:

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



## 2. Frequency stability

### 2.1 Test Result

Test Band: 7 _ 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	- 2.803 8	- 5.464 6	- 1.516 3	-0.0011	0.0022	-0.0006	2.50	PASS
				NV	- 5.550 4	- 0.615 1	- 0.987 1	-0.0022	0.0002	-0.0004	2.50	PASS
				HV	- 2.675 1	- 4.634 9	- 2.503 4	-0.0011	-0.0018	0.0010	2.50	PASS
16QAM	25	0	NT	LV	- 1.559 3	- 2.160 1	- 0.972 7	-0.0006	0.0009	0.0004	2.50	PASS
				NV	- 5.407 3	- 4.677 8	- 0.443 5	-0.0022	0.0018	0.0002	2.50	PASS
				HV	- 6.623 3	- 3.461 8	- 3.333 1	-0.0026	0.0014	-0.0013	2.50	PASS

Test Band: 7 _ 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	- 1.201 6	- 1.802 4	- 2.331 7	-0.0005	-0.0007	-0.0009	2.50	PASS
				-20.00	- 8.812 0	- 8.068 1	- 2.603 5	-0.0035	0.0032	0.0010	2.50	PASS
				-10.00	- 8.325 6	- 0.586 5	- 1.573 6	-0.0033	-0.0002	0.0006	2.50	PASS
				0.00	- 4.191 4	- 7.910 7	- 3.476 1	-0.0017	0.0031	-0.0014	2.50	PASS
				10.00	- 7.538 8	- 0.529 3	- 1.287 5	-0.0030	-0.0002	-0.0005	2.50	PASS
				20.00	- 10.07 08	- 6.623 3	- 4.921 0	-0.0040	0.0026	0.0019	2.50	PASS
				30.00	- 5.464 6	- 3.819 5	- 0.071 5	-0.0022	-0.0015	0.0000	2.50	PASS
				40.00	- 6.923 7	- 4.434 6	- 0.586 5	-0.0028	0.0017	-0.0002	2.50	PASS
				50.00	- 4.949 6	- 4.634 9	- 2.317 4	-0.0020	0.0018	-0.0009	2.50	PASS



16QAM	25	0	NV	-30.00	- 1.788 1	- 4.963 9	- 6.251 3	-0.0007	-0.0020	-0.0024	2.50	PASS
				-20.00	- 9.126 7	0.271 8	1.702 3	-0.0036	0.0001	0.0007	2.50	PASS
				-10.00	- 7.081 0	2.660 8	1.602 2	-0.0028	0.0010	0.0006	2.50	PASS
				0.00	1.602 2	- 6.380 1	3.061 3	0.0006	-0.0025	0.0012	2.50	PASS
				10.00	- 0.071 5	1.702 3	- 0.672 3	0.0000	0.0007	-0.0003	2.50	PASS
				20.00	0.214 6	- 5.822 2	- 0.300 4	0.0001	-0.0023	-0.0001	2.50	PASS
				30.00	- 1.058 6	- 0.772 5	- 0.014 3	-0.0004	-0.0003	0.0000	2.50	PASS
				40.00	- 0.386 2	- 0.686 6	0.801 1	-0.0002	-0.0003	0.0003	2.50	PASS
				50.00	- 0.357 6	6.880 8	- 0.958 4	-0.0001	0.0027	-0.0004	2.50	PASS

Test Band: 7 _ 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	1.587 9	- 1.387 6	- 2.074 2	0.0006	-0.0005	-0.0008	2.50	PASS
				NV	- 0.414 8	2.989 8	- 0.529 3	-0.0002	0.0012	-0.0002	2.50	PASS
				HV	- 0.300 4	1.945 5	- 1.530 6	-0.0001	0.0008	-0.0006	2.50	PASS
16QAM	50	0	NT	LV	1.473 4	- 1.587 9	0.357 6	0.0006	-0.0006	0.0001	2.50	PASS
				NV	- 0.028 6	- 2.102 9	- 0.886 9	0.0000	-0.0008	-0.0003	2.50	PASS
				HV	1.945 5	0.243 2	- 0.658 0	0.0008	0.0001	-0.0003	2.50	PASS

Test Band: 7 _ 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	0.829 7	0.658 0	0.243 2	0.0003	0.0003	0.0001	2.50	PASS
				-20.00	-	-	1.330	-0.0002	-0.0012	0.0005	2.50	PASS



					0.414 8	3.104 2	4					
				-10.00	- 0.515 0	8.540 2	- 0.801 1	-0.0002	0.0034	-0.0003	2.50	PASS
				0.00	2.431 9	5.564 7	- 0.443 5	0.0010	0.0022	-0.0002	2.50	PASS
				10.00	- 0.157 4	- 2.732 3	1.430 5	-0.0001	-0.0011	0.0006	2.50	PASS
				20.00	- 1.444 8	0.443 5	2.145 8	-0.0006	0.0002	0.0008	2.50	PASS
				30.00	1.888 3	1.559 3	- 3.190 0	0.0008	0.0006	-0.0012	2.50	PASS
				40.00	- 2.875 3	- 4.477 5	- 0.014 3	-0.0011	-0.0018	0.0000	2.50	PASS
				50.00	- 0.171 7	4.978 2	0.457 8	-0.0001	0.0020	0.0002	2.50	PASS
16QAM	50	0	NV	-30.00	- 1.702 3	- 2.689 4	1.730 9	-0.0007	-0.0011	0.0007	2.50	PASS
				-20.00	0.829 7	0.214 6	1.187 3	0.0003	0.0001	0.0005	2.50	PASS
				-10.00	- 0.386 2	0.872 6	0.529 3	-0.0002	0.0003	0.0002	2.50	PASS
				0.00	1.301 8	1.187 3	3.061 3	0.0005	0.0005	0.0012	2.50	PASS
				10.00	- 0.414 8	- 1.730 9	- 1.401 9	-0.0002	-0.0007	-0.0005	2.50	PASS
				20.00	1.187 3	1.301 8	0.186 0	-0.0005	-0.0005	0.0001	2.50	PASS
				30.00	- 0.658 0	- 0.128 7	2.703 7	-0.0003	-0.0001	0.0011	2.50	PASS
				40.00	0.672 3	- 4.506 1	0.429 2	0.0003	-0.0018	0.0002	2.50	PASS
				50.00	- 1.487 7	0.314 7	- 0.329 0	-0.0006	0.0001	-0.0001	2.50	PASS

Test Band: 7 _ 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	8.683 2	1.645 1	- 7.796 3	0.0035	0.0006	-0.0030	2.50	PASS
				NV	5.278 6	0.200 3	- 5.807	0.0021	0.0001	-0.0023	2.50	PASS



							9					
				HV	5.192 8	- 0.557 9	- 5.021 1	0.0021	-0.0002	-0.0020	2.50	PASS
16QAM	75	0	NT	LV	5.636 2	2.303 1	- 8.511 5	0.0022	0.0009	-0.0033	2.50	PASS
				NV	6.322 9	- 1.716 6	- 5.950 9	0.0025	-0.0007	-0.0023	2.50	PASS
				HV	6.022 5	1.258 8	- 3.161 4	0.0024	0.0005	-0.0012	2.50	PASS

Test Band: 7 _ 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	6.337 2	- 0.286 1	- 5.779 3	0.0025	-0.0001	-0.0023	2.50	PASS
				-20.00	7.252 7	3.118 5	- 4.963 9	0.0029	0.0012	-0.0019	2.50	PASS
				-10.00	7.724 8	- 1.359 0	- 7.252 7	0.0031	-0.0005	-0.0028	2.50	PASS
				0.00	3.647 8	- 0.400 5	- 4.520 4	0.0015	-0.0002	-0.0018	2.50	PASS
				10.00	4.992 5	- 3.490 4	- 5.021 1	0.0020	-0.0014	-0.0020	2.50	PASS
				20.00	6.923 7	2.503 4	- 8.711 8	0.0028	0.0010	-0.0034	2.50	PASS
				30.00	3.647 8	- 4.005 4	- 5.078 3	0.0015	-0.0016	-0.0020	2.50	PASS
				40.00	9.098 1	1.530 6	- 3.891 0	0.0036	0.0006	-0.0015	2.50	PASS
				50.00	5.164 1	- 4.835 1	- 5.536 1	0.0021	-0.0019	-0.0022	2.50	PASS
16QAM	75	0	NV	-30.00	5.579 0	2.775 2	- 6.537 4	0.0022	0.0011	-0.0026	2.50	PASS
				-20.00	4.348 8	2.846 7	- 5.679 1	0.0017	0.0011	-0.0022	2.50	PASS
				-10.00	8.025 2	2.389 0	- 7.581 7	0.0032	0.0009	-0.0030	2.50	PASS
				0.00	3.719 3	2.746 6	- 6.923 7	0.0015	0.0011	-0.0027	2.50	PASS
				10.00	6.308	0.214	-	0.0025	0.0001	-0.0022	2.50	PASS



				6	6	5.550 4						
				20.00	4.949 6	- 3.233 0	- 6.637 6	0.0020	-0.0013	-0.0026	2.50	PASS
				30.00	3.848 1	- 1.902 6	- 6.651 9	0.0015	-0.0008	-0.0026	2.50	PASS
				40.00	5.550 4	- 2.660 8	- 6.051 1	0.0022	-0.0010	-0.0024	2.50	PASS
				50.00	6.995 2	5.078 3	- 2.360 3	0.0028	0.0020	-0.0009	2.50	PASS

Test Band: 7_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	2.317 4	1.559 3	6.036 8	0.0009	0.0006	0.0024	2.50	PASS
				NV	0.801 1	1.316 1	4.620 6	-0.0003	-0.0005	0.0018	2.50	PASS
				HV	1.630 8	0.600 8	6.852 2	-0.0006	0.0002	0.0027	2.50	PASS
16QAM	100	0	NT	LV	0.014 3	- 3.390 3	7.238 4	0.0000	-0.0013	0.0028	2.50	PASS
				NV	0.114 4	- 0.500 7	8.525 8	0.0000	-0.0002	0.0033	2.50	PASS
				HV	2.231 6	- 0.672 3	4.620 6	0.0009	-0.0003	0.0018	2.50	PASS

Test Band: 7_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	1.416 2	1.602 2	4.649 2	0.0006	0.0006	0.0018	2.50	PASS
				-20.00	2.460 5	1.459 1	6.694 8	-0.0010	0.0006	0.0026	2.50	PASS
				-10.00	3.719 3	- 0.586 5	3.376 0	0.0015	-0.0002	0.0013	2.50	PASS
				0.00	1.645 1	2.803 8	5.950 9	0.0007	0.0011	0.0023	2.50	PASS
				10.00	1.702 3	- 2.803 8	7.224 1	0.0007	-0.0011	0.0028	2.50	PASS
				20.00	1.630 8	- 4.906 7	0.958 4	-0.0006	-0.0019	0.0004	2.50	PASS
				30.00	-	-	3.576	-0.0005	-0.0001	0.0014	2.50	PASS



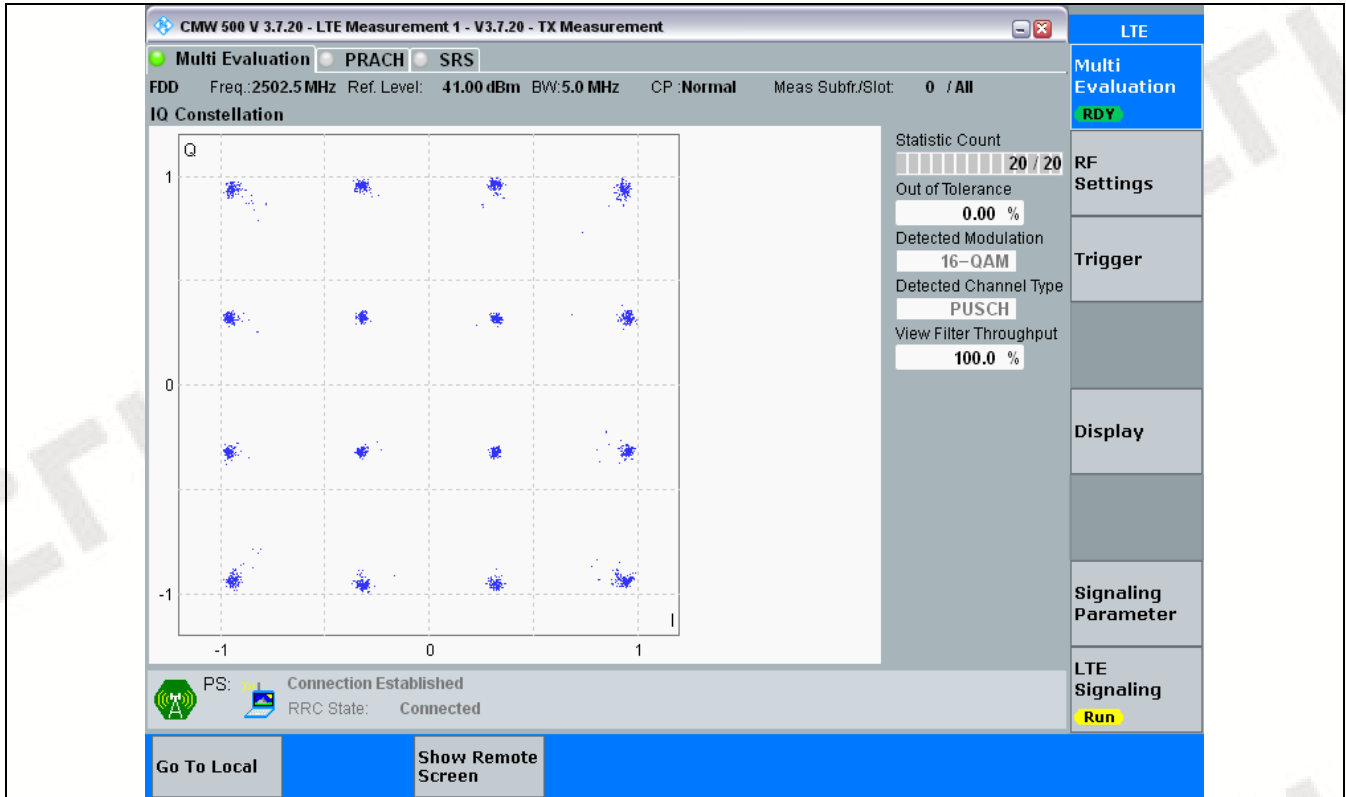


					1.201 6	0.186 0	3					
				40.00	0.801 1	- 0.371 9	6.036 8	0.0003	-0.0001	0.0024	2.50	PASS
				50.00	- 1.444 8	4.391 7	7.524 5	-0.0006	0.0017	0.0029	2.50	PASS
16QAM	100	0	NV	-30.00	1.745 2	2.389 0	7.710 5	0.0007	0.0009	0.0030	2.50	PASS
				-20.00	1.158 7	- 1.230 2	4.692 1	0.0005	-0.0005	0.0018	2.50	PASS
				-10.00	2.617 8	- 0.114 4	7.953 6	0.0010	0.0000	0.0031	2.50	PASS
				0.00	2.045 6	2.131 5	4.477 5	0.0008	0.0008	0.0017	2.50	PASS
				10.00	2.088 5	1.072 9	5.149 8	0.0008	0.0004	0.0020	2.50	PASS
				20.00	1.730 9	1.430 5	5.722 0	0.0007	0.0006	0.0022	2.50	PASS
				30.00	- 0.629 4	- 0.186 0	3.476 1	-0.0003	-0.0001	0.0014	2.50	PASS
				40.00	1.845 4	4.463 2	3.776 6	0.0007	0.0018	0.0015	2.50	PASS
				50.00	0.200 3	- 3.790 9	6.394 4	0.0001	-0.0015	0.0025	2.50	PASS



### 3. Modulation Characteristics

#### 3.1 Test Graph





The image displays two screenshots of the CMW 500 V 3.7.20 LTE Measurement 1 - V3.7.20 - TX Measurement interface. Both screenshots show an IQ Constellation plot with a 4x4 grid of points, indicating a 16-QAM modulation scheme. The plot axes are labeled 'Q' (vertical) and 'I' (horizontal), ranging from -1 to 1. The interface includes a top status bar with 'Multi Evaluation', 'PRACH', and 'SRS' options. Below the plot, there is a 'Statistic Count' section showing '20 / 20' and 'Out of Tolerance' at '0.00 %'. The 'Detected Modulation' is '16-QAM' and the 'Detected Channel Type' is 'PUSCH'. The 'View Filter Throughput' is '100.0 %'. The interface also shows 'PS: Connection Established' and 'RRC State: Connected'. The bottom of the interface has 'Go To Local' and 'Show Remote Screen' buttons. The right side of the interface has a vertical menu with 'LTE', 'Multi Evaluation', 'RDY', 'RF Settings', 'Trigger', 'Display', 'Signaling Parameter', and 'LTE Signaling' (with a 'Run' button).



CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2502.5 MHz Ref. Level: 39.80 dBm BW: 5.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2535.0 MHz Ref. Level: 40.80 dBm BW: 5.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

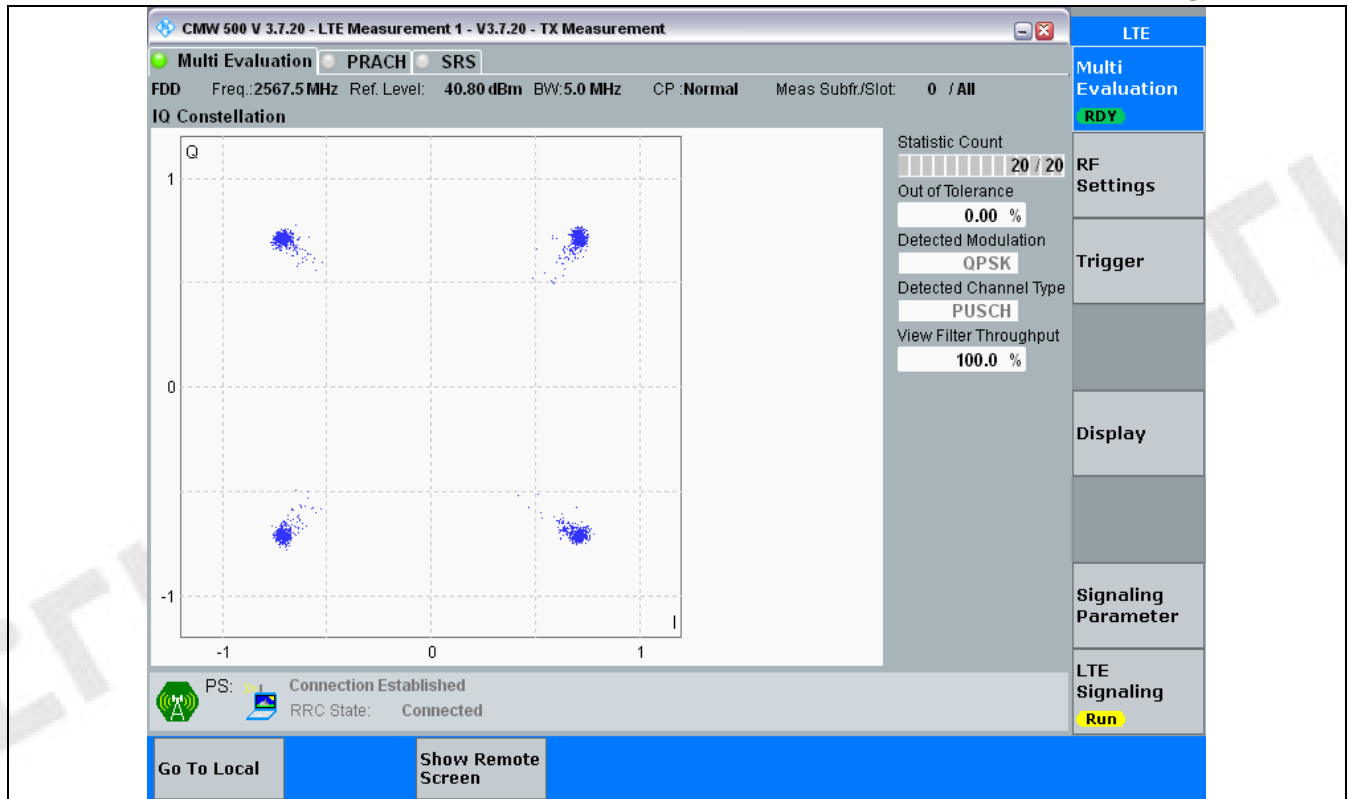
IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

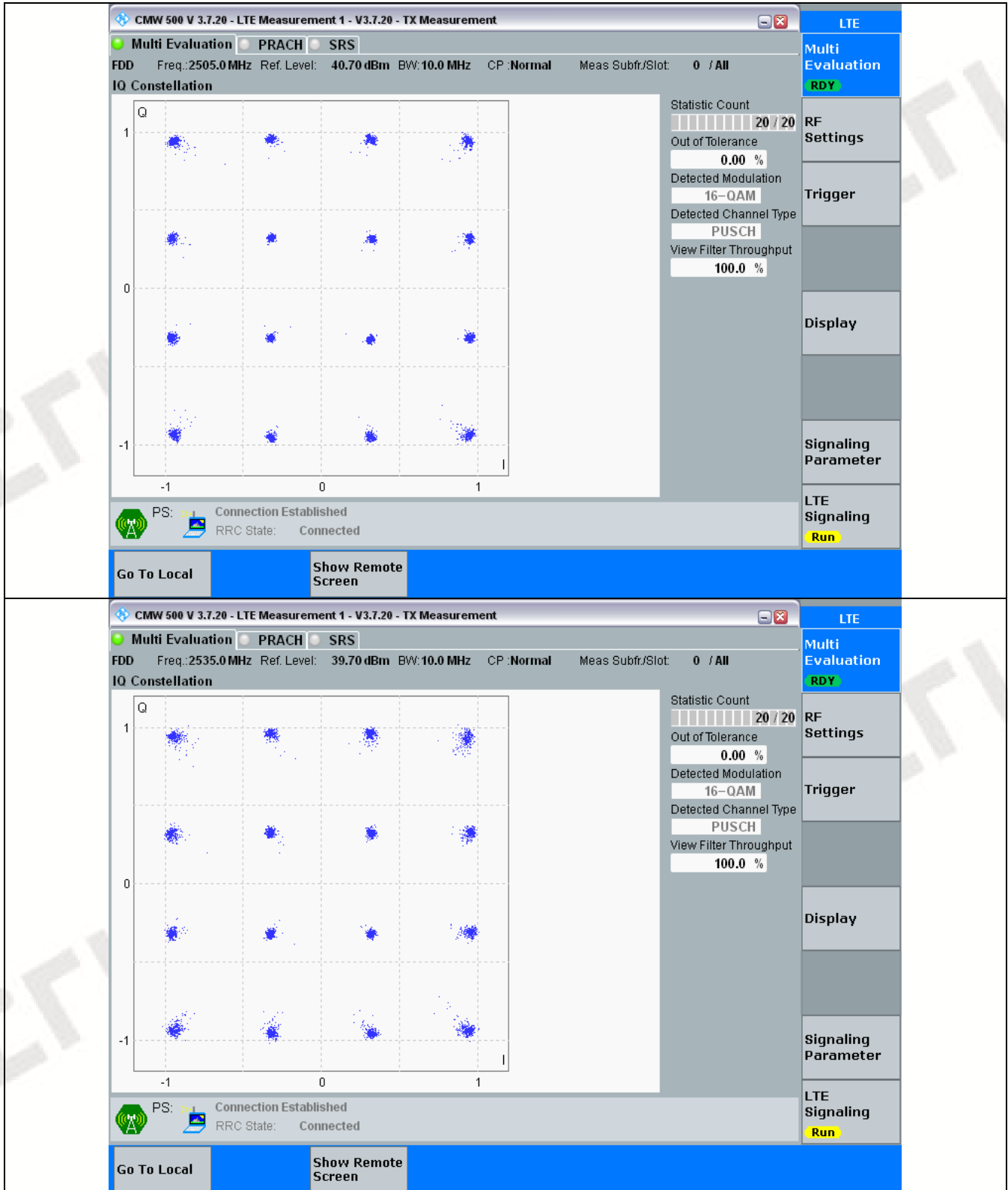
Go To Local Show Remote Screen

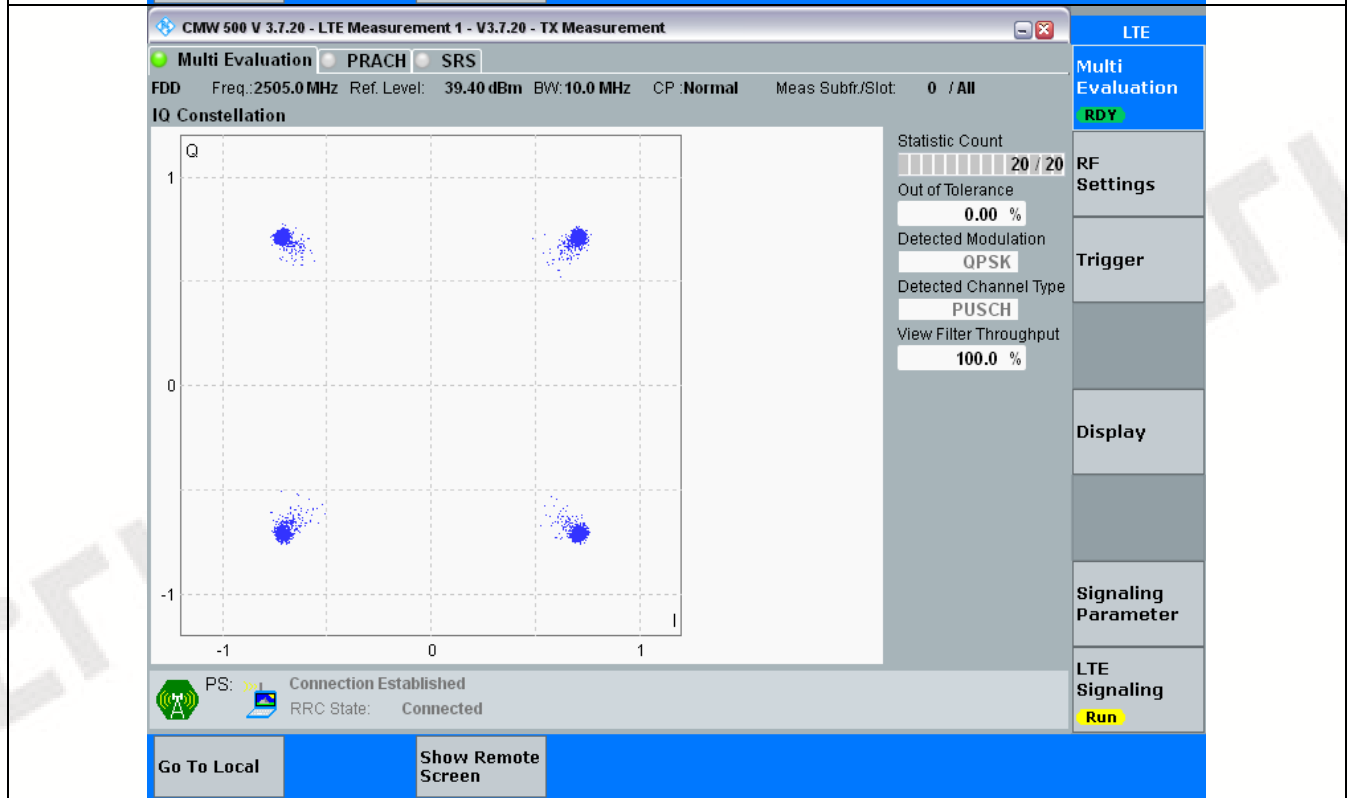
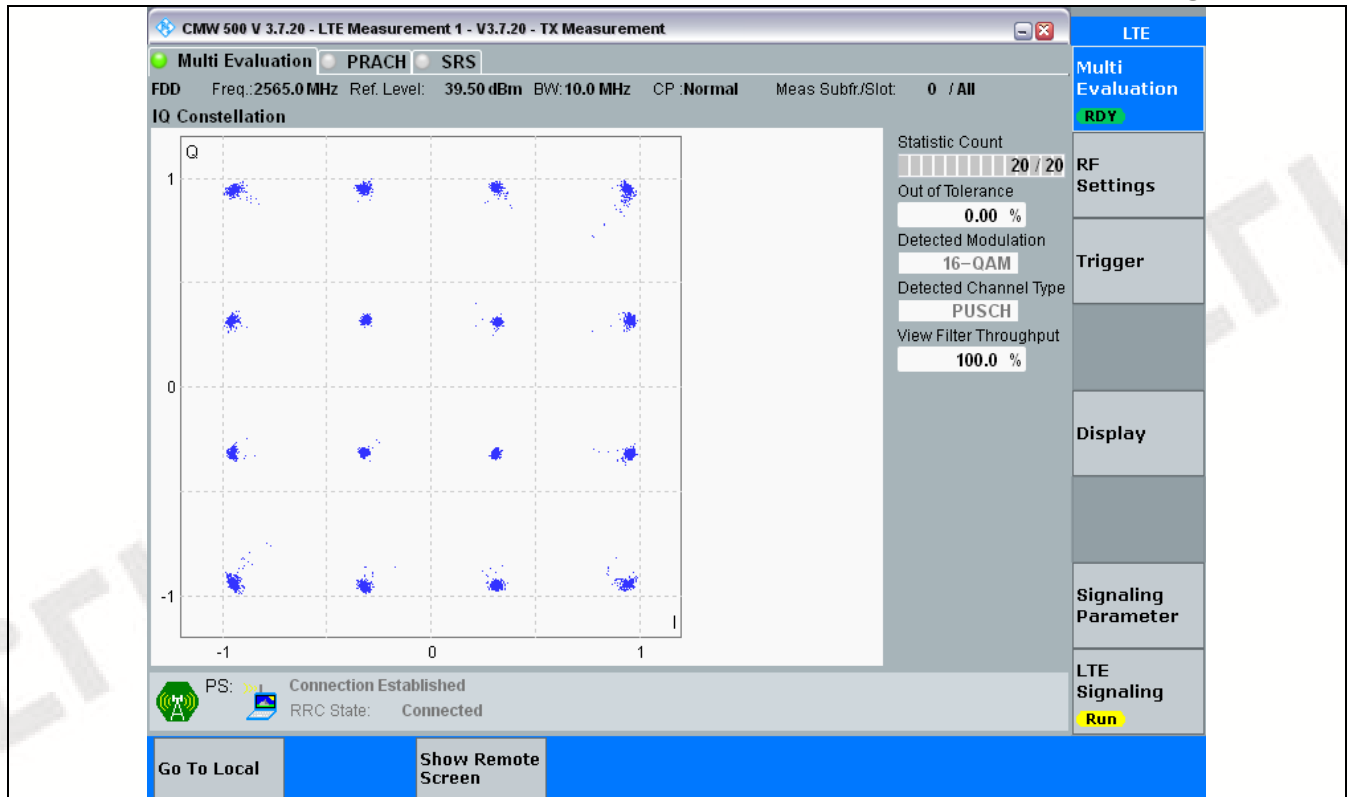
LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run





### 3.1 Test Graph







CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2535.0 MHz Ref. Level: 40.60 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2565.0 MHz Ref. Level: 40.40 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

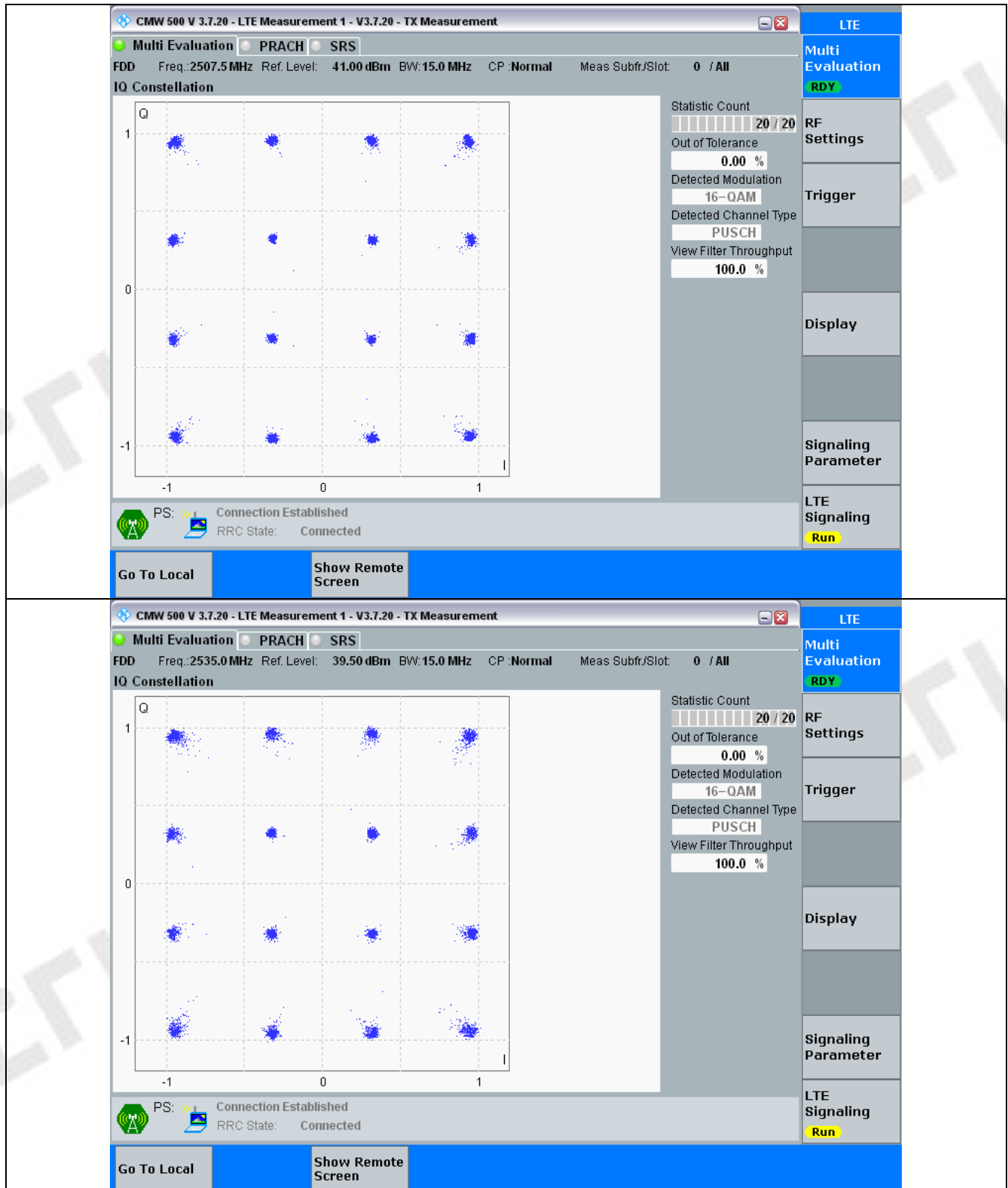
Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run





### 3.1 Test Graph





CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2562.5 MHz Ref. Level: 39.50 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: 16-QAM  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2507.5 MHz Ref. Level: 39.30 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run



CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2535.0 MHz Ref. Level: 40.50 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: 64-QAM  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 2562.5 MHz Ref. Level: 40.50 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

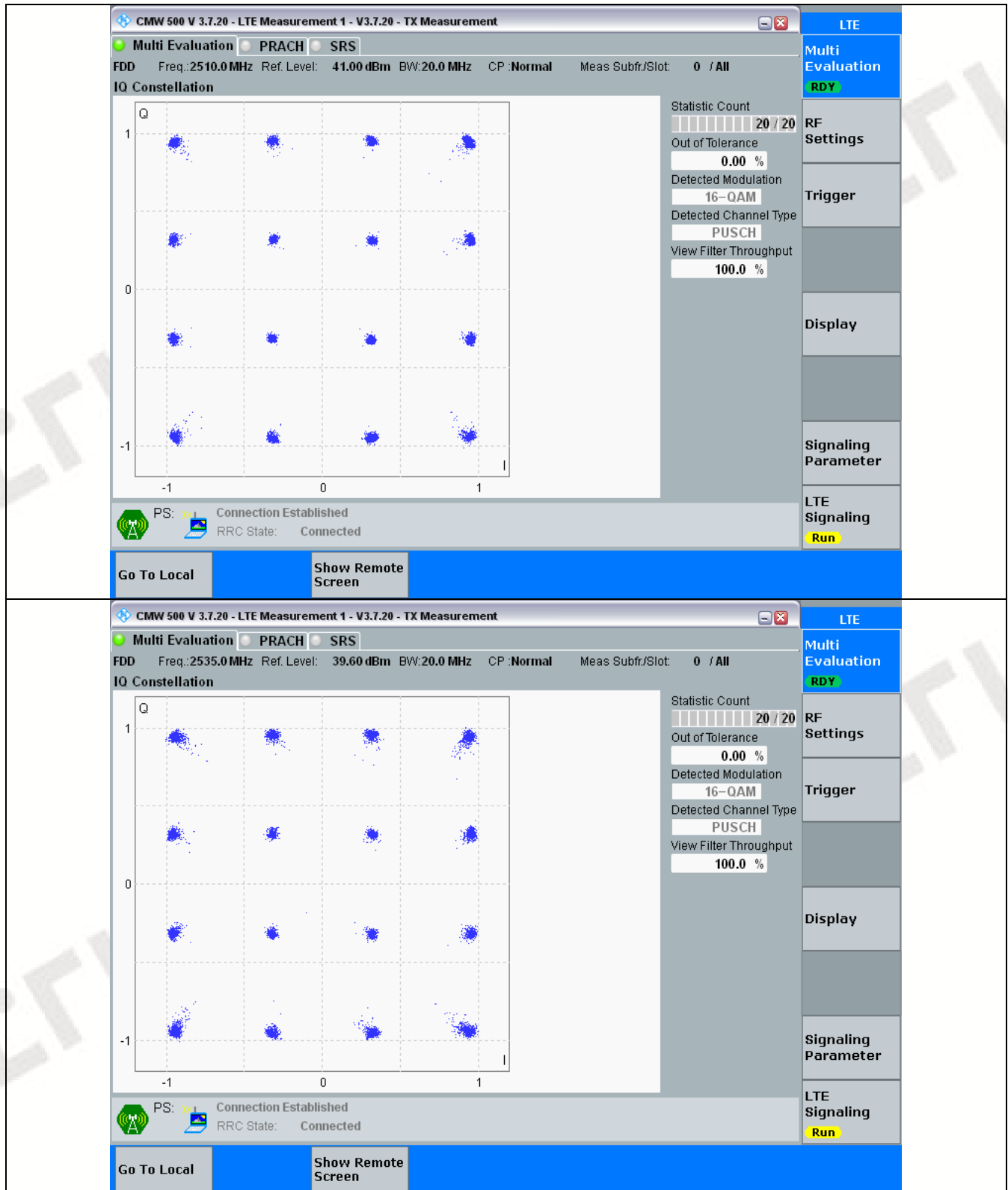
PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run



### 3.1 Test Graph





CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.:2560.0MHz Ref. Level: 39.40 dBm BW:20.0 MHz CP:Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: 16-QAM  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.:2510.0MHz Ref. Level: 39.30 dBm BW:20.0 MHz CP:Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run



CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.:2535.0MHz Ref. Level: 40.30 dBm BW:20.0 MHz CP:Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

CMW 500 V 3.7.20 - LTE Measurement 1 - V3.7.20 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.:2560.0MHz Ref. Level: 40.40 dBm BW:20.0 MHz CP:Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20  
Out of Tolerance: 0.00 %  
Detected Modulation: QPSK  
Detected Channel Type: PUSCH  
View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

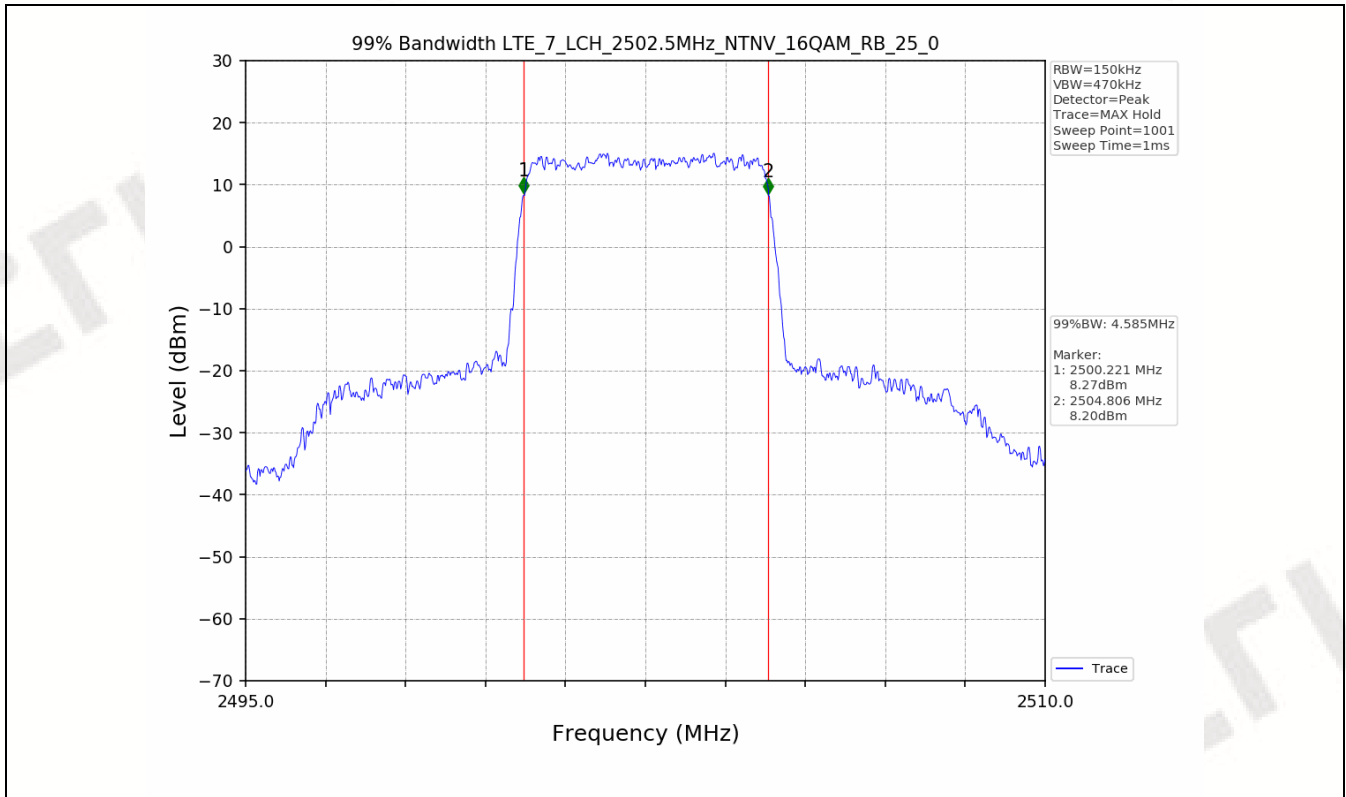


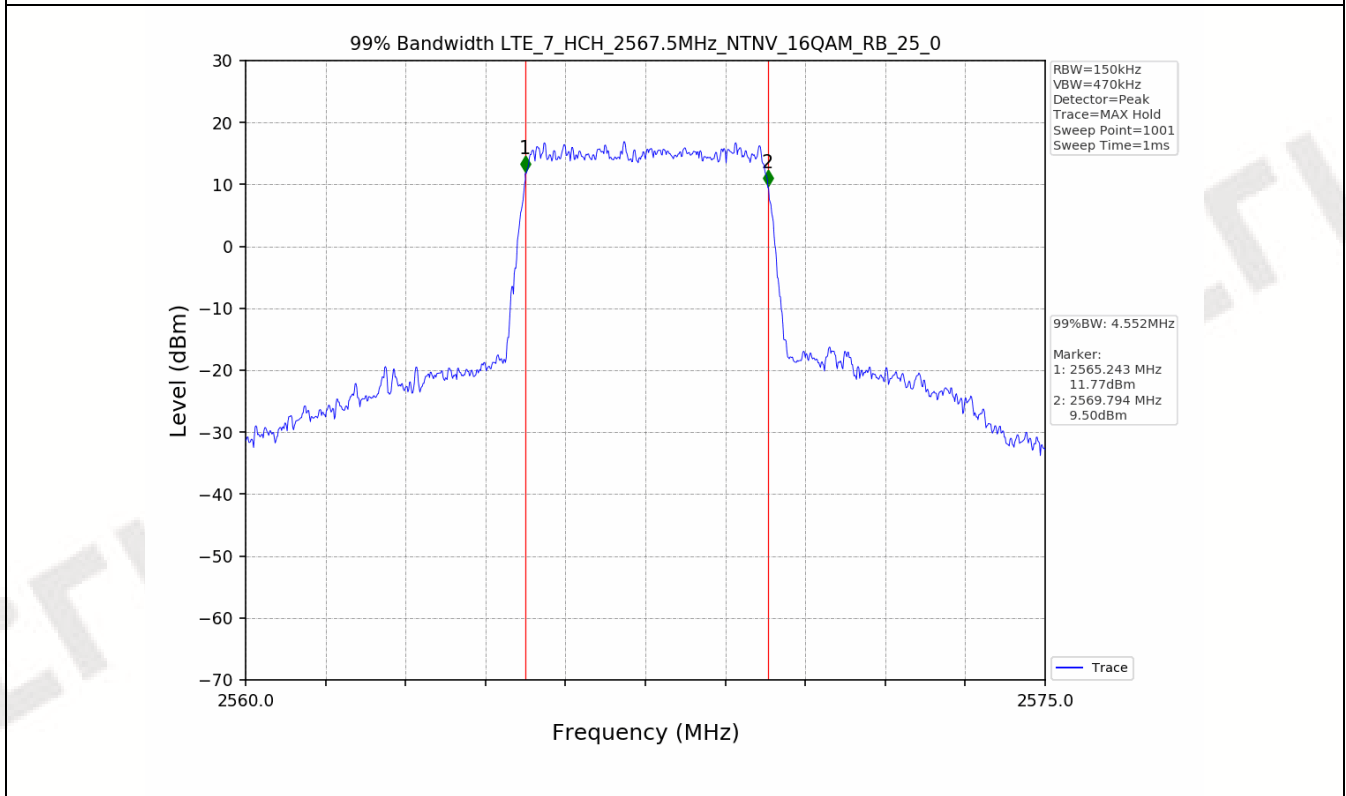
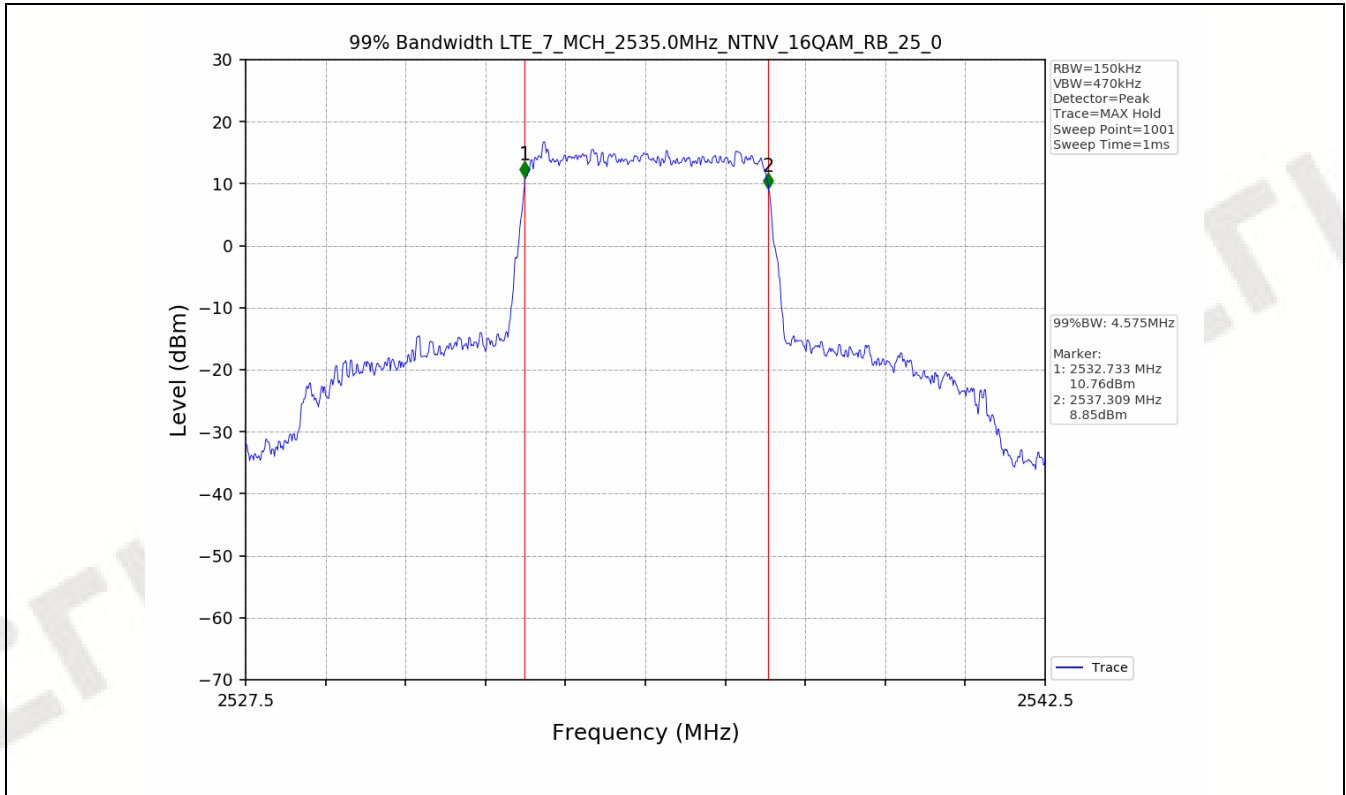
## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

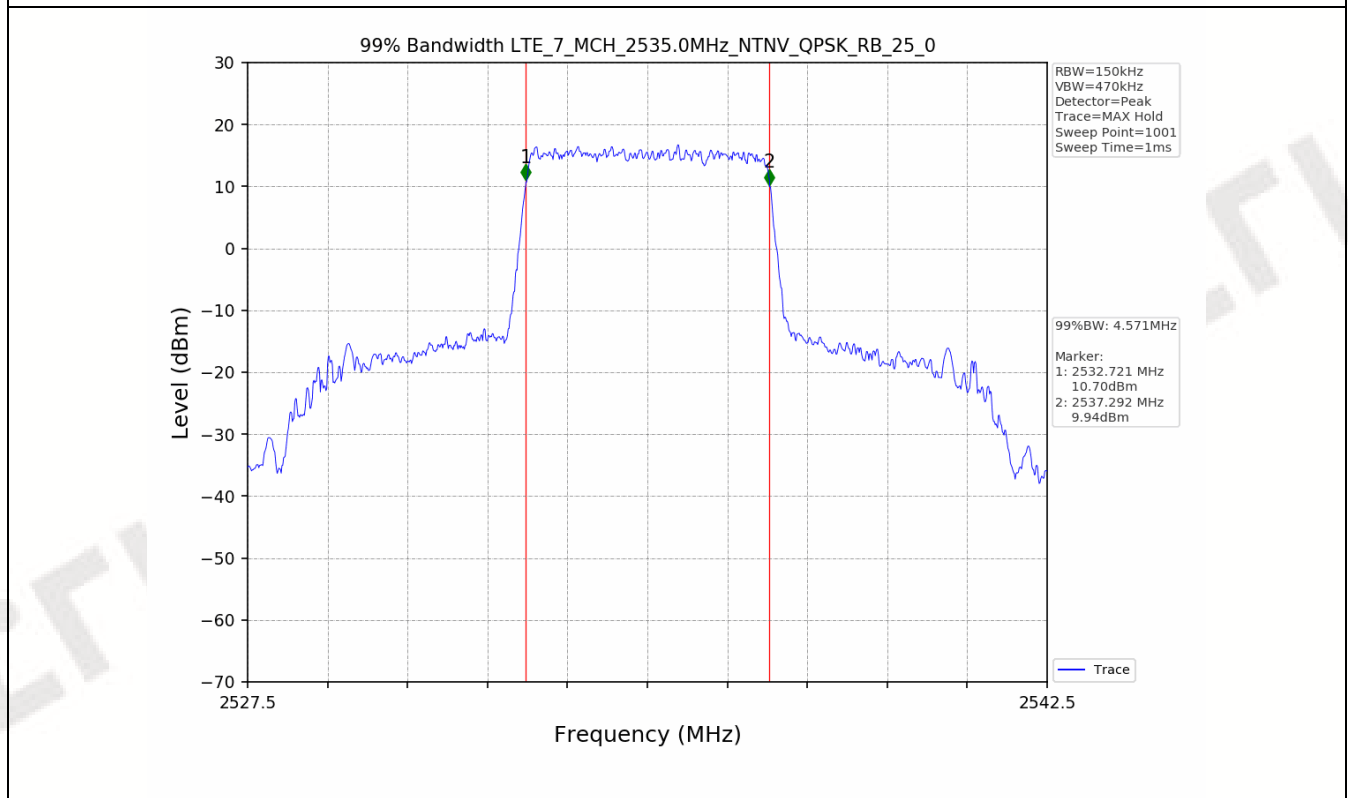
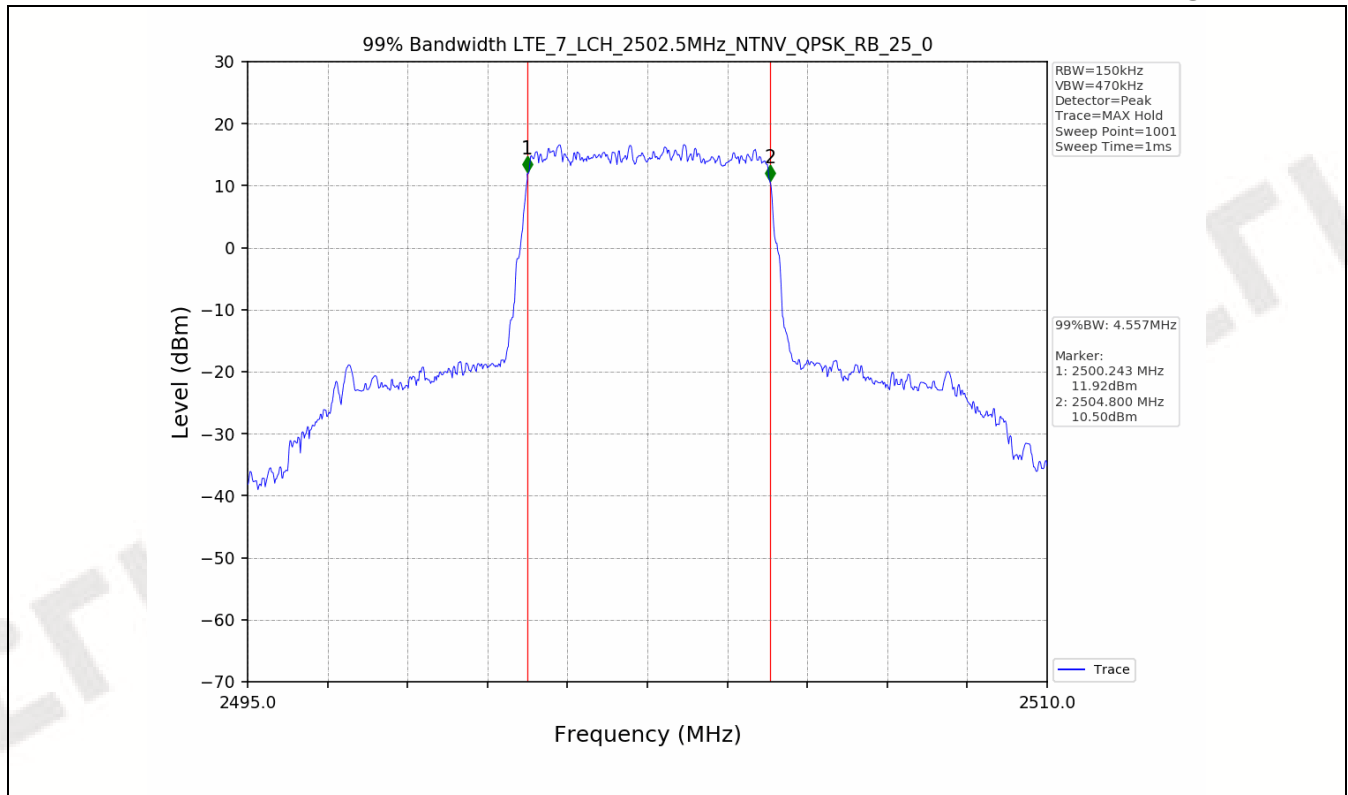
Test Band: 7_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.557	4.571	4.569	N/A	PASS
16QAM	25	0	4.585	4.575	4.552	N/A	PASS

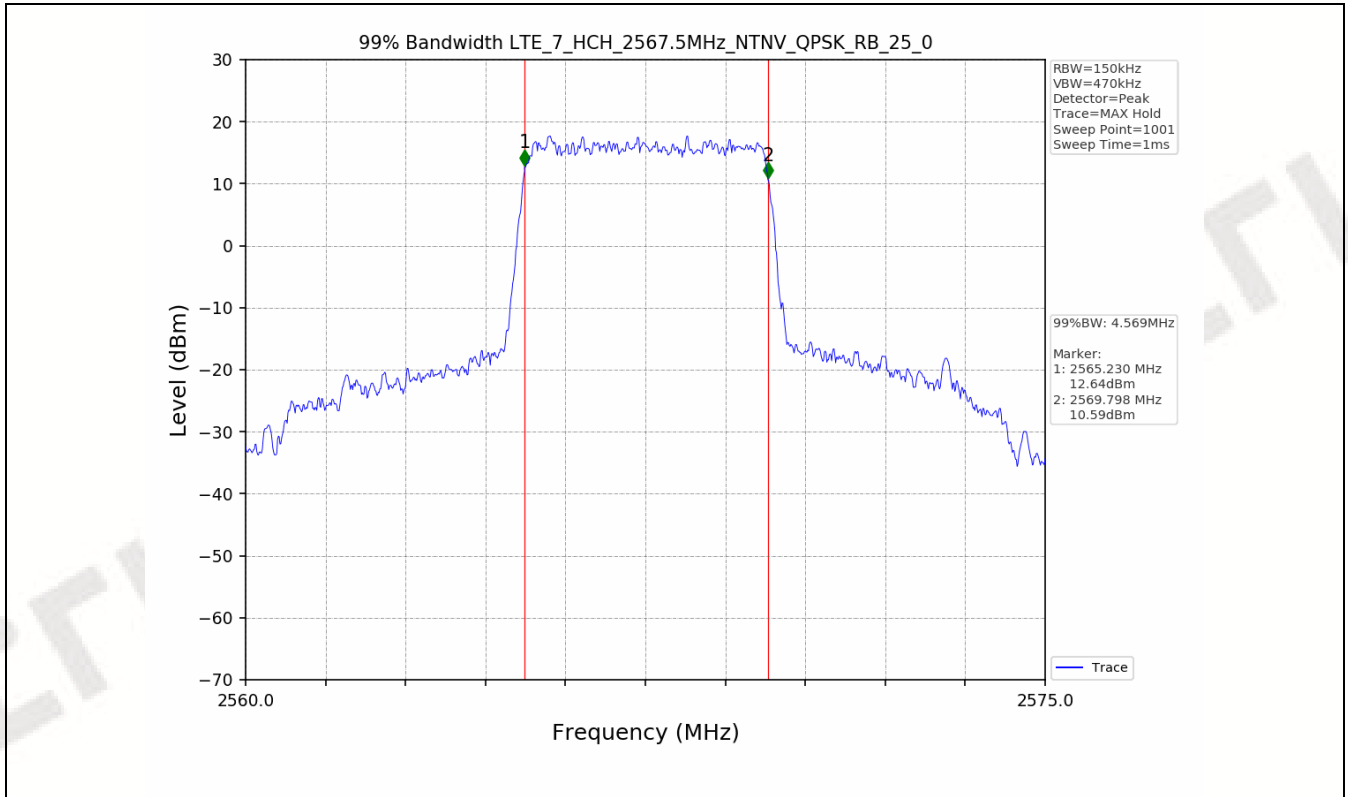
### 4.2 Test Graph







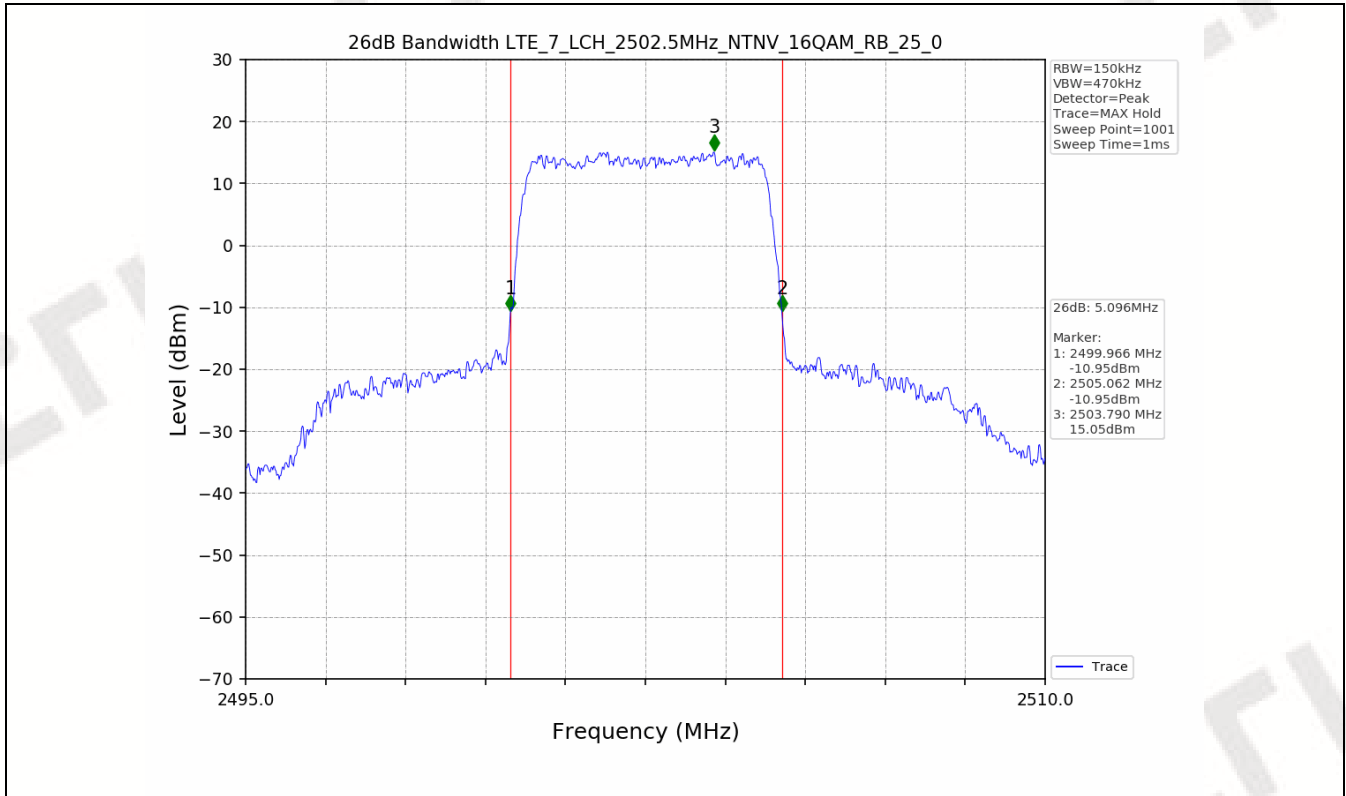


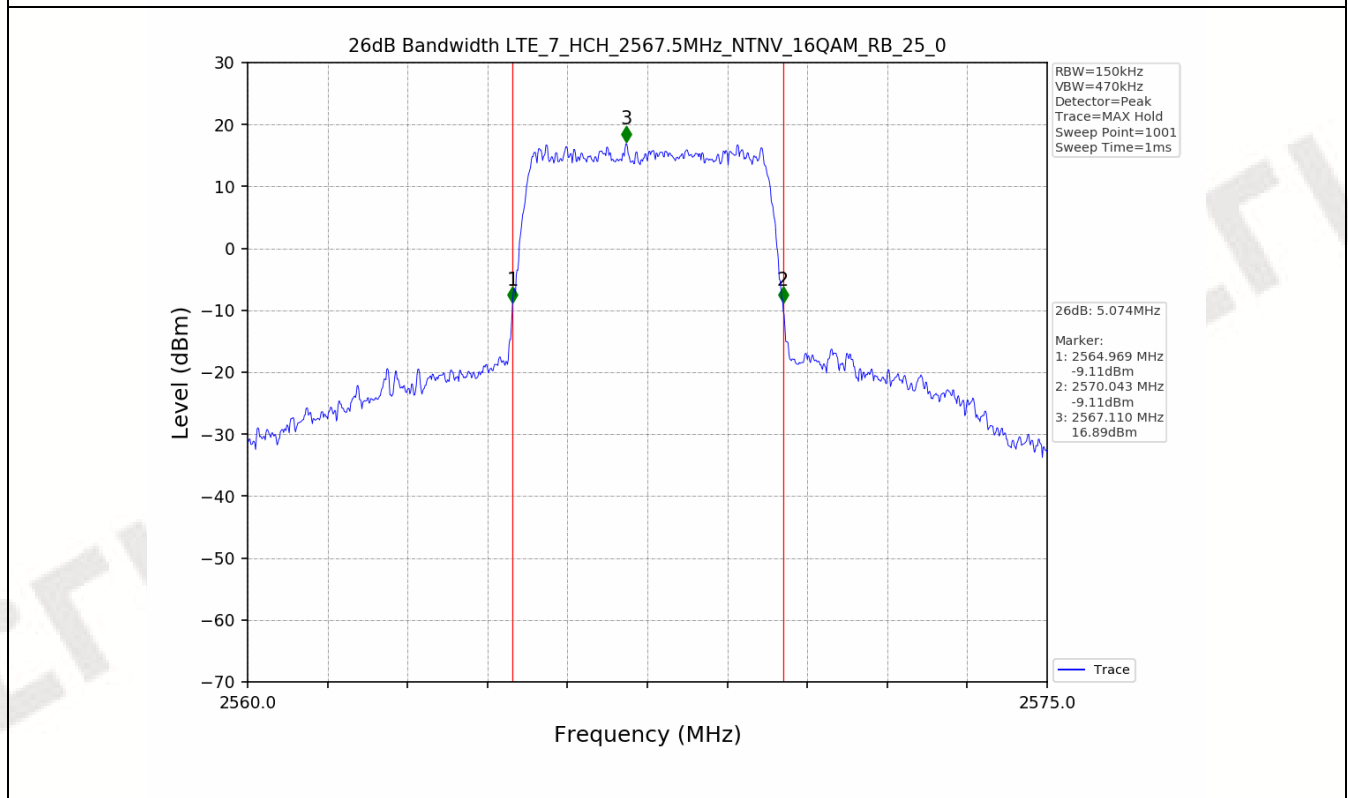
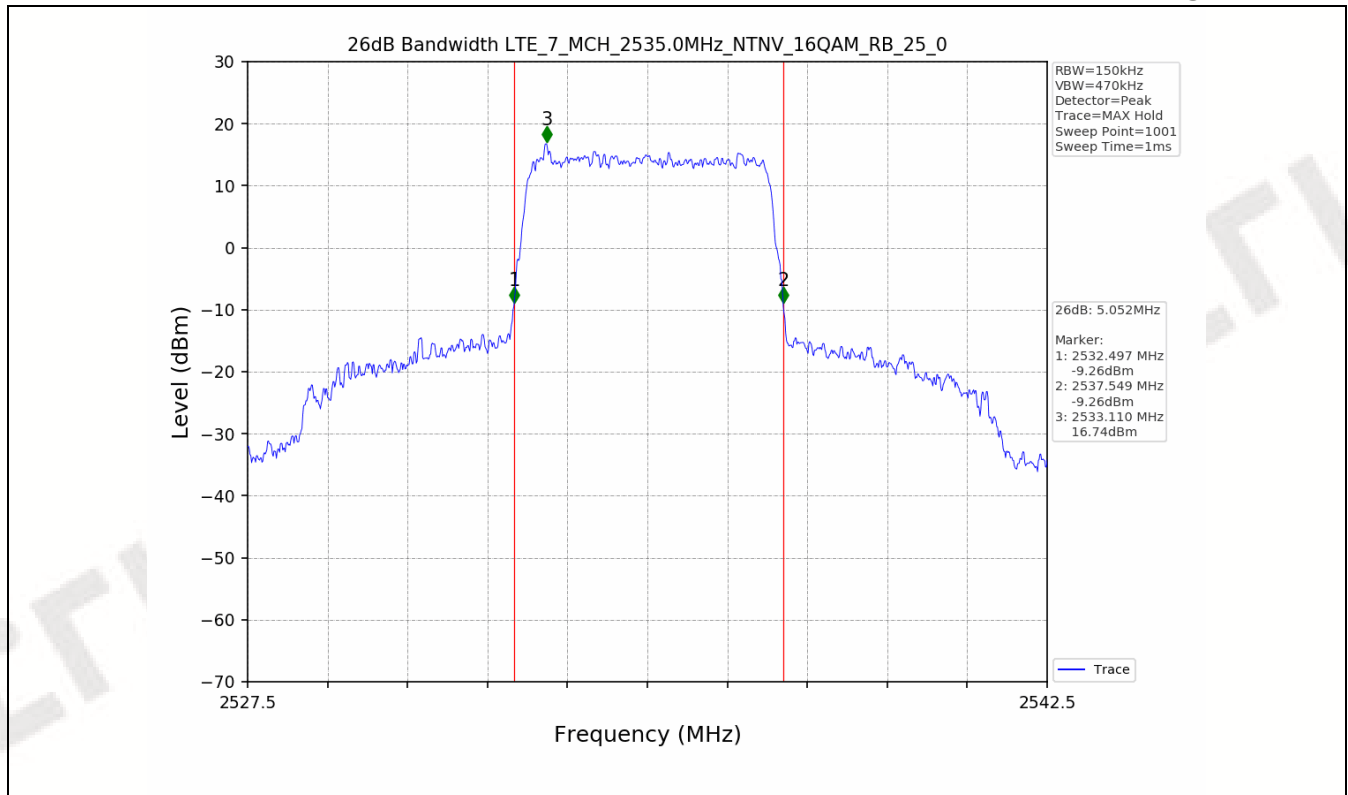


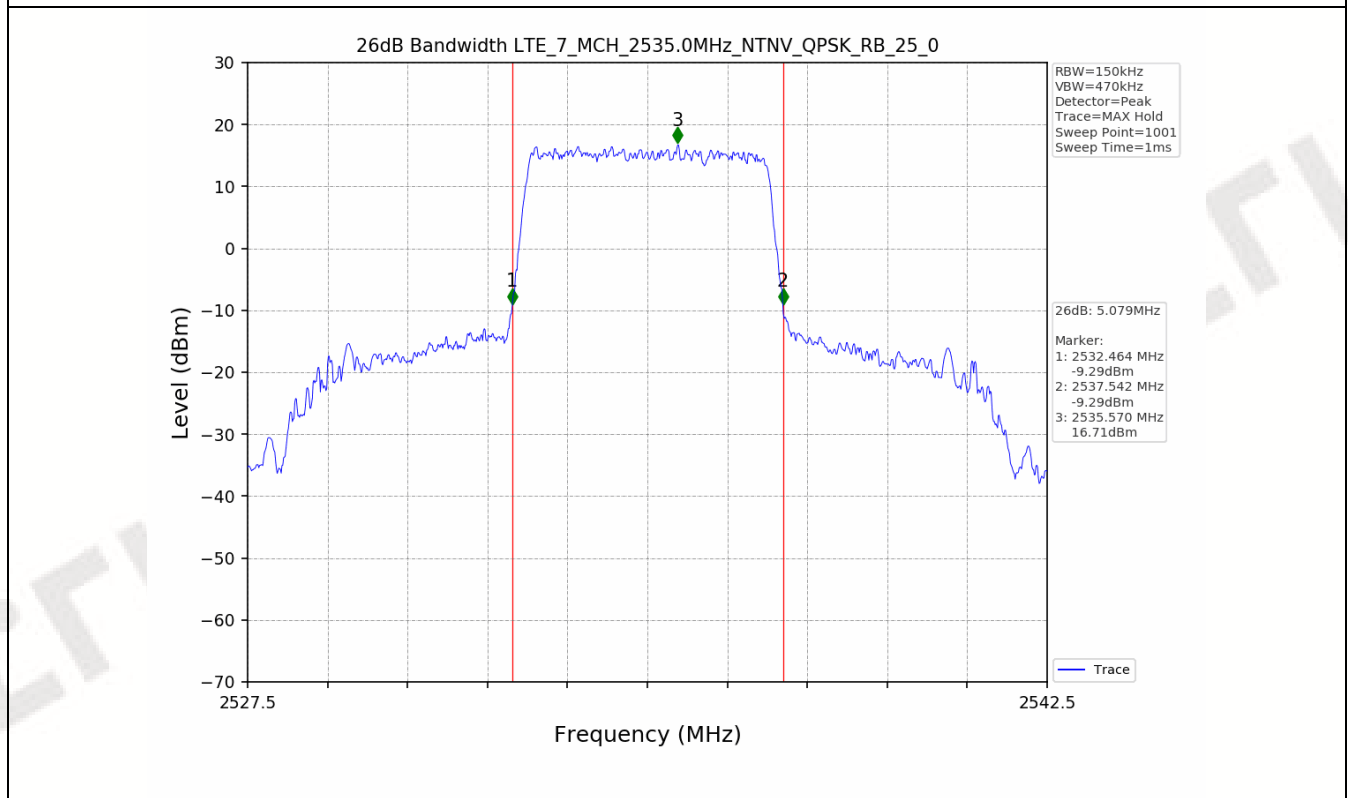
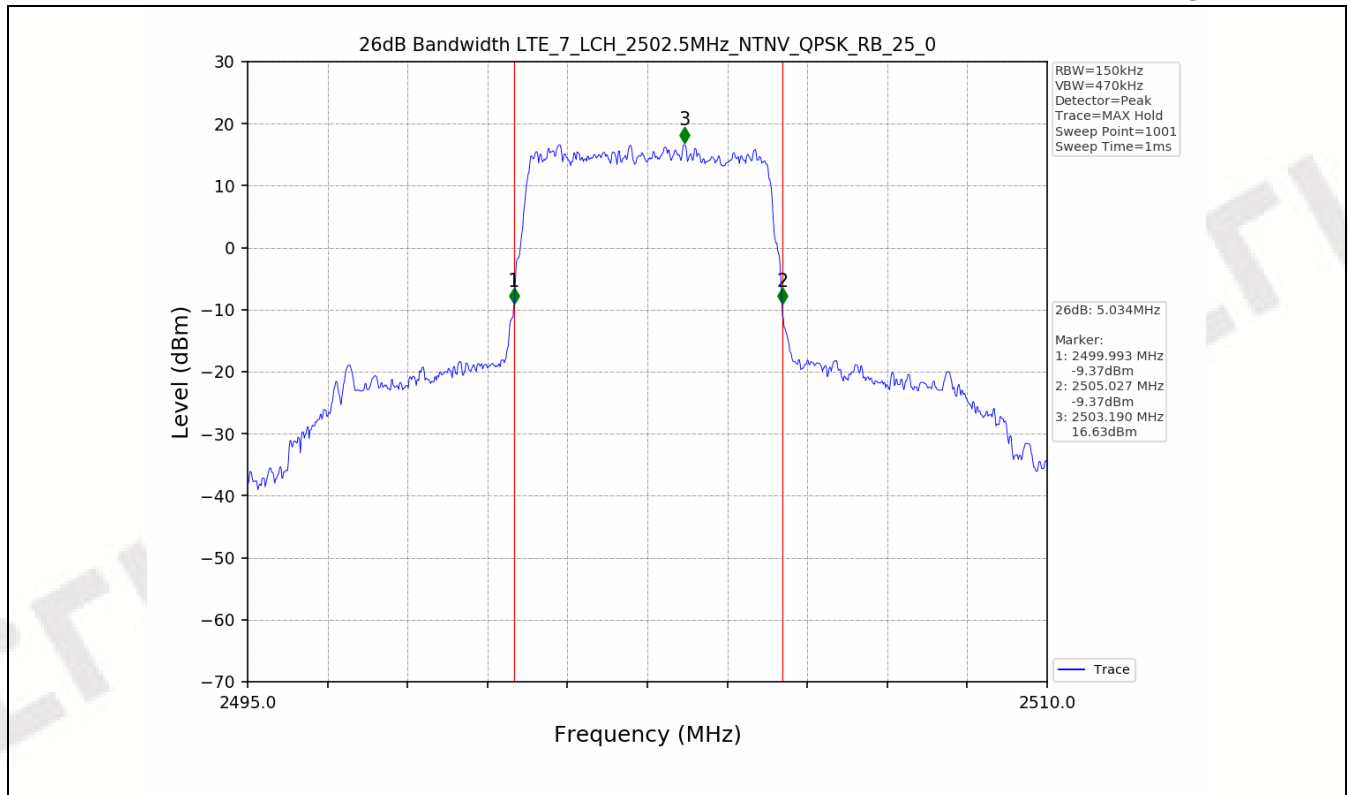


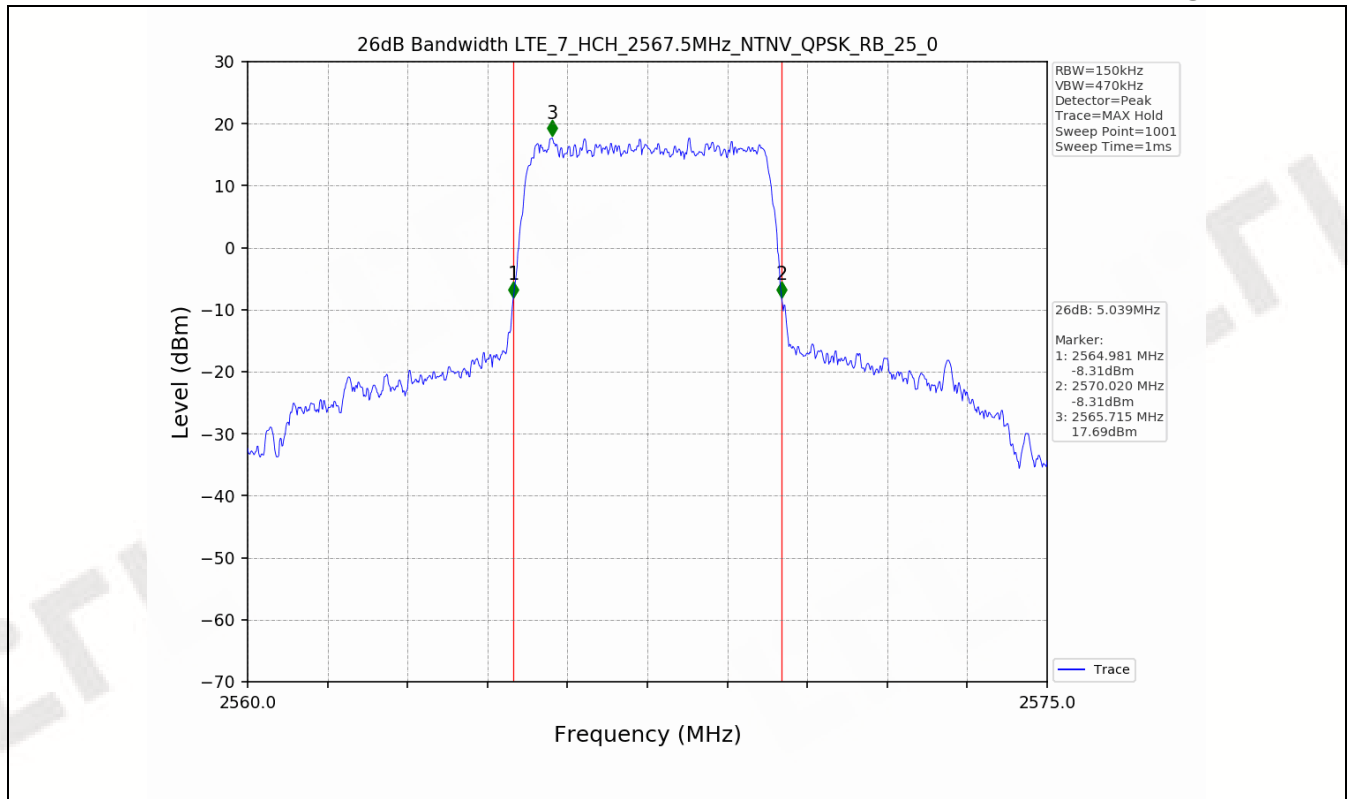
Test Band: 7_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.034	5.079	5.039	N/A	PASS
16QAM	25	0	5.096	5.052	5.074	N/A	PASS

### 4.2 Test Graph





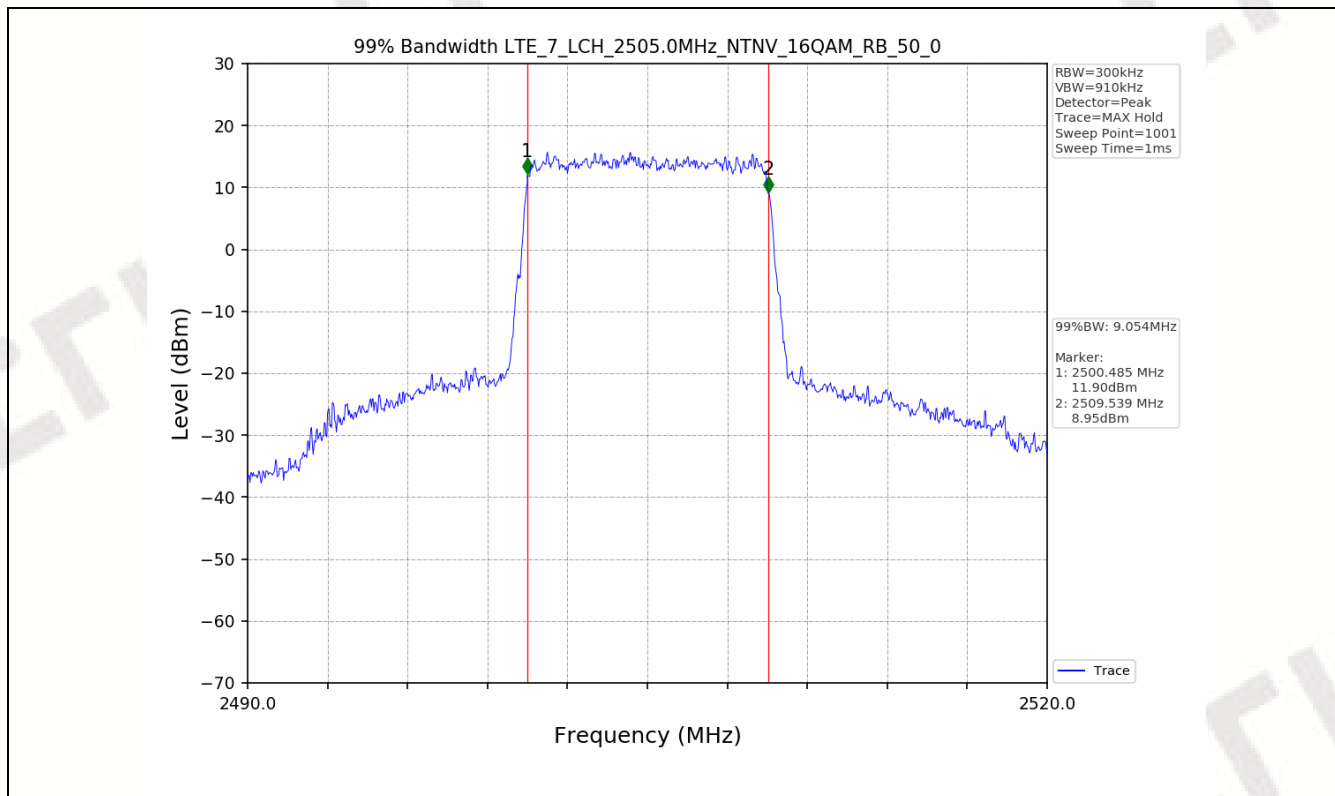


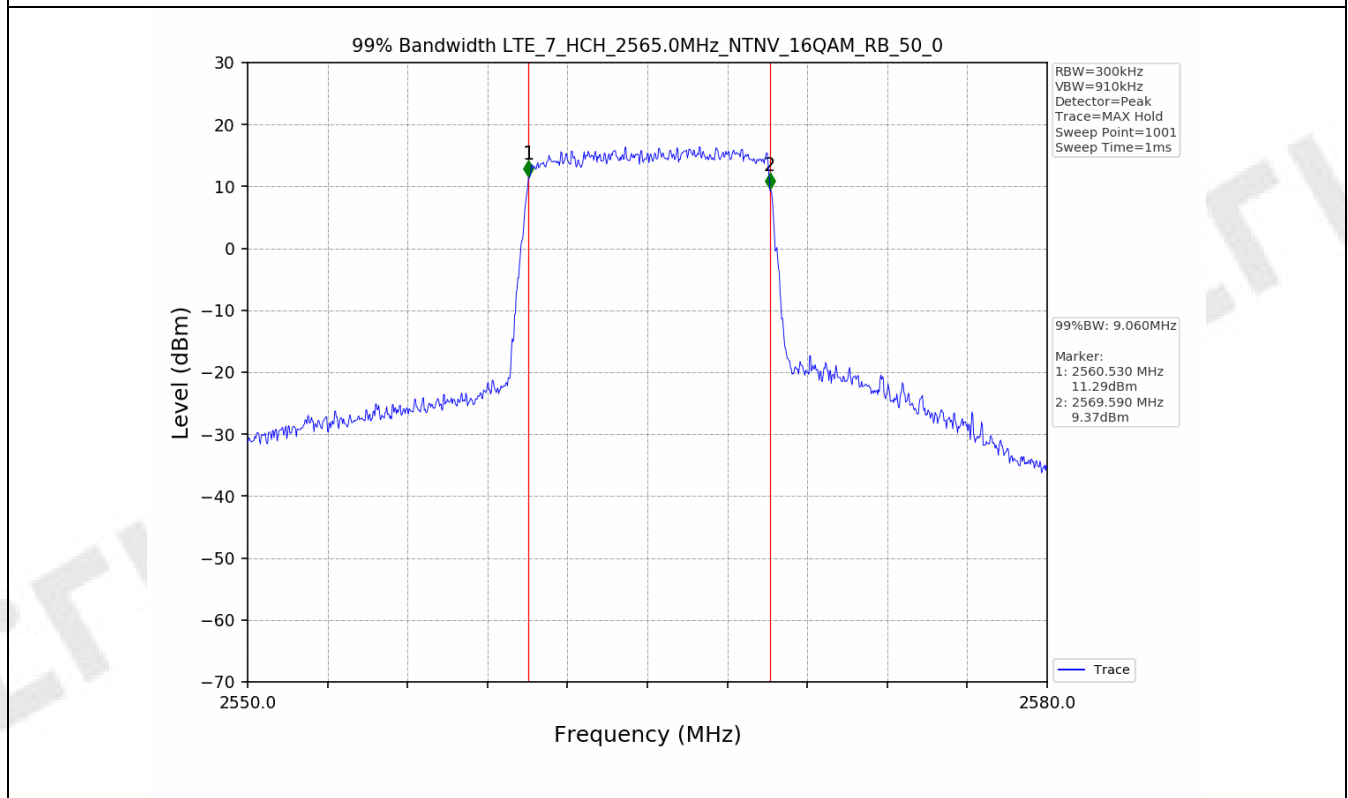
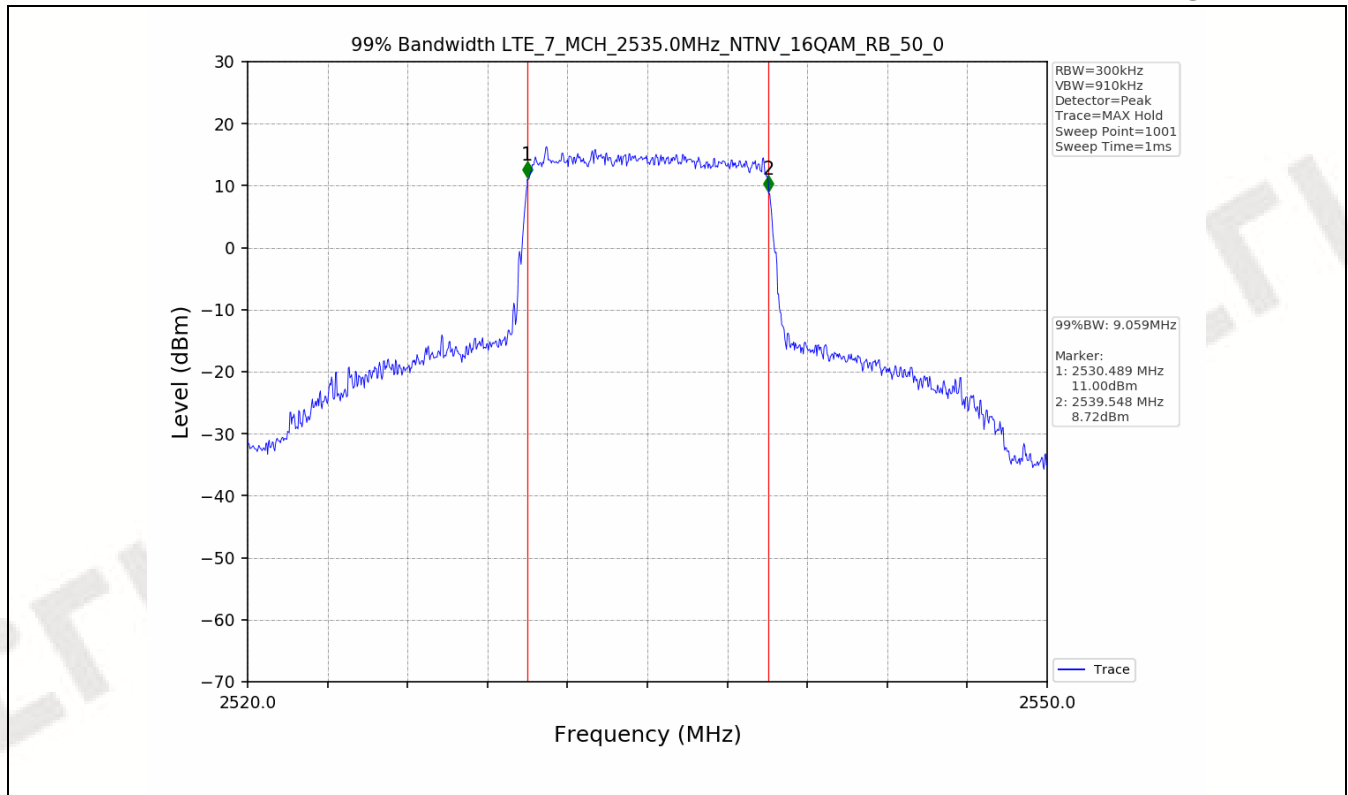




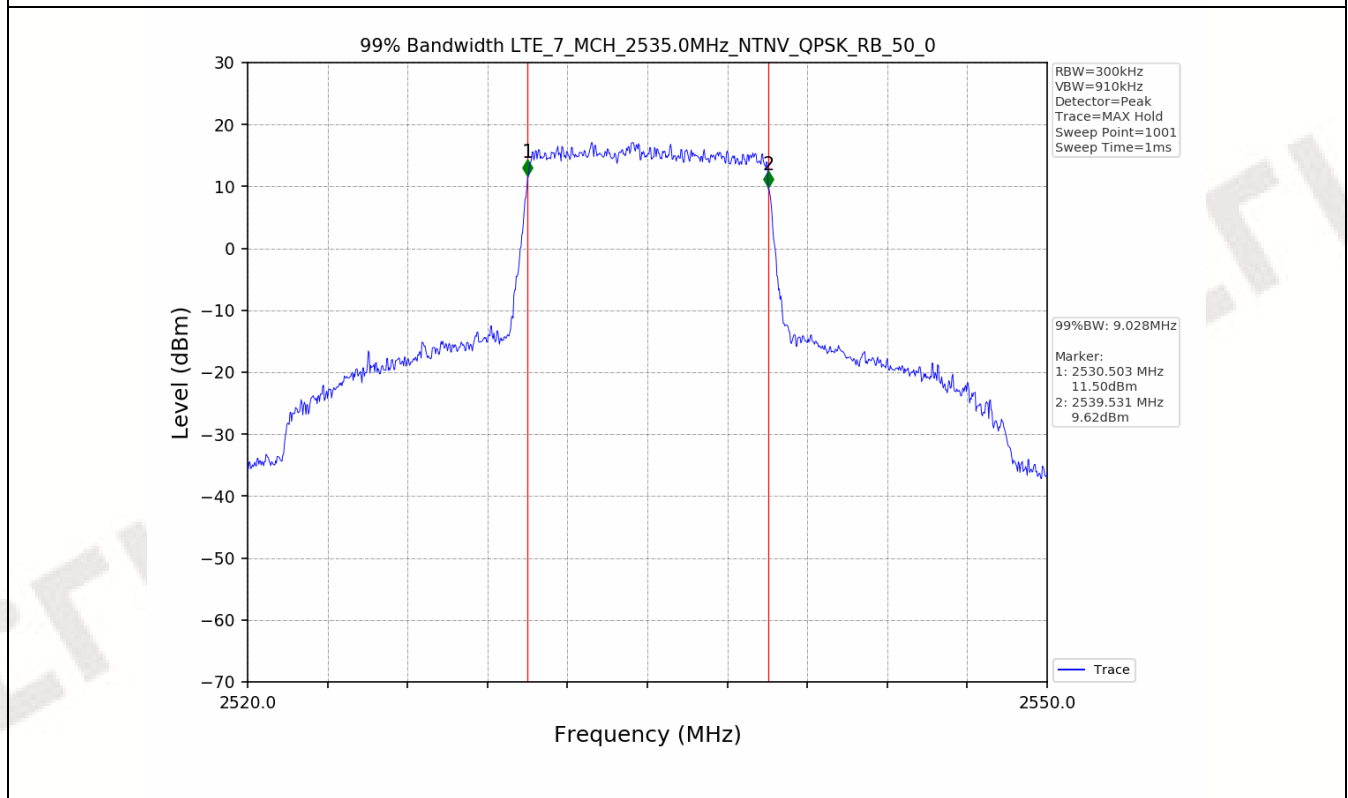
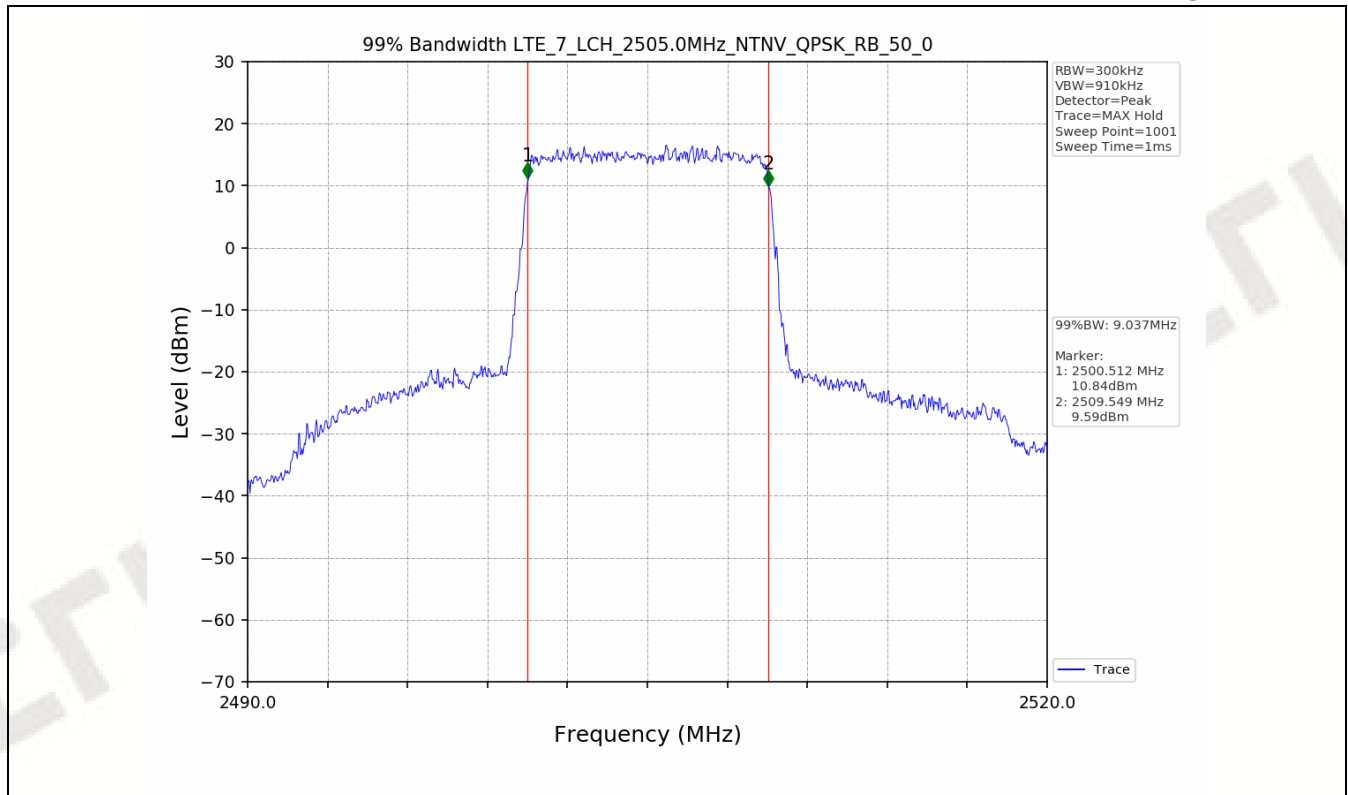
Test Band: 7 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.037	9.028	9.050	N/A	PASS
16QAM	50	0	9.054	9.059	9.060	N/A	PASS

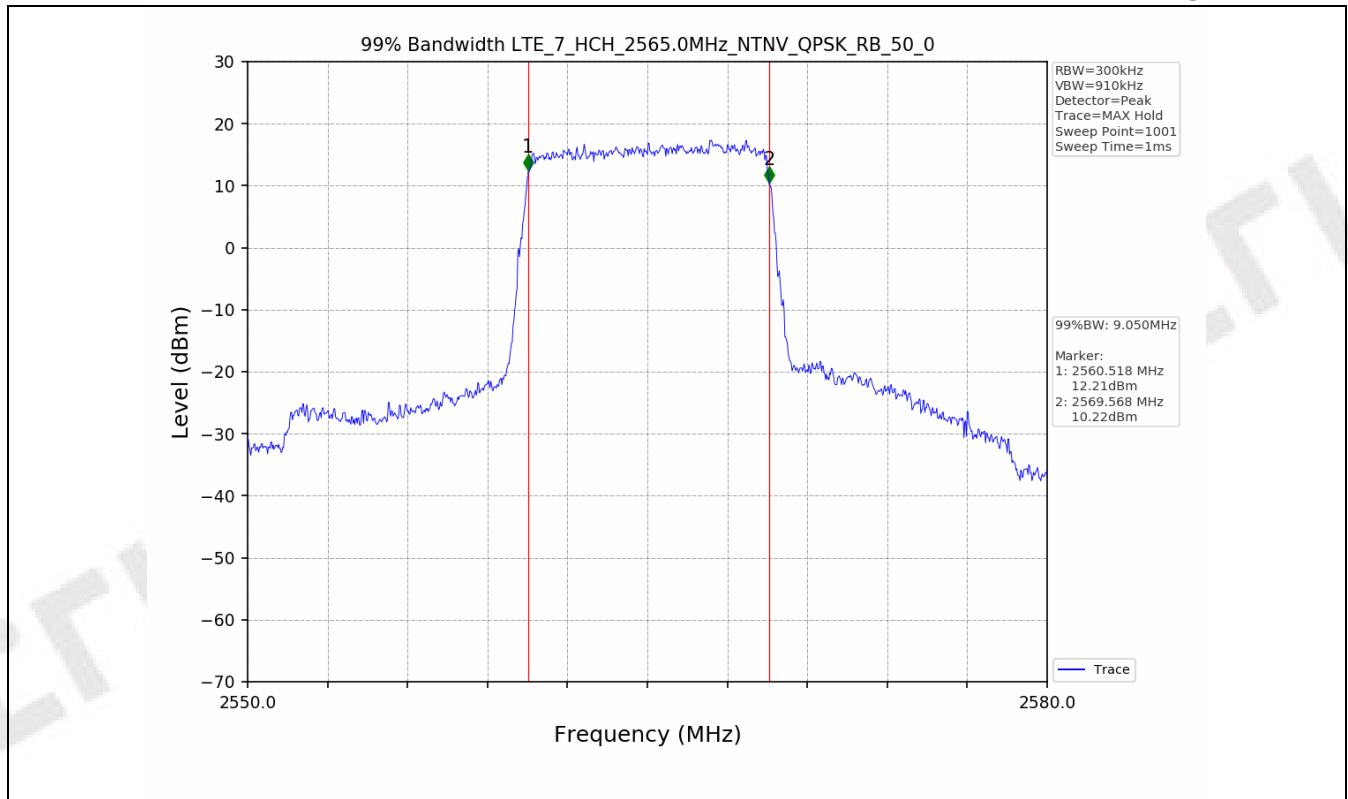
### 4.2 Test Graph







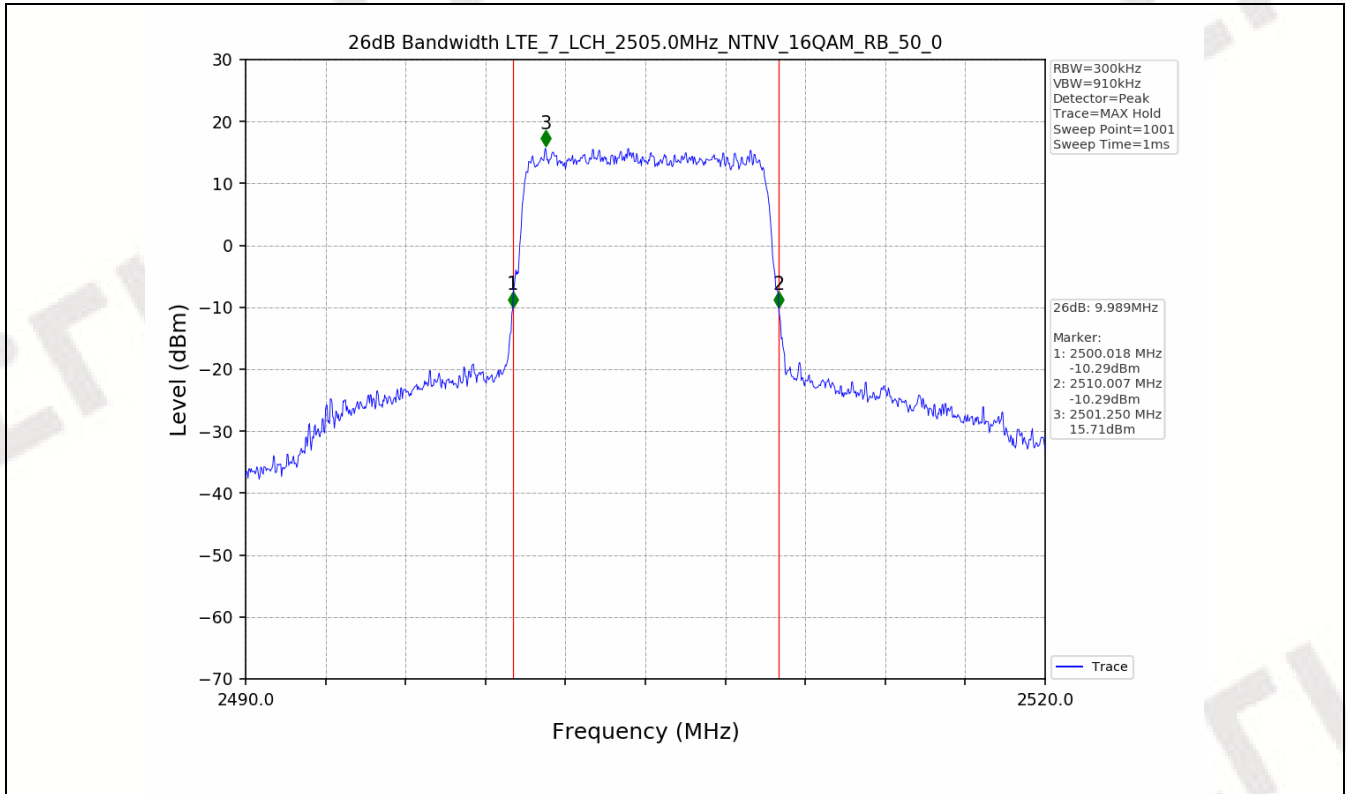


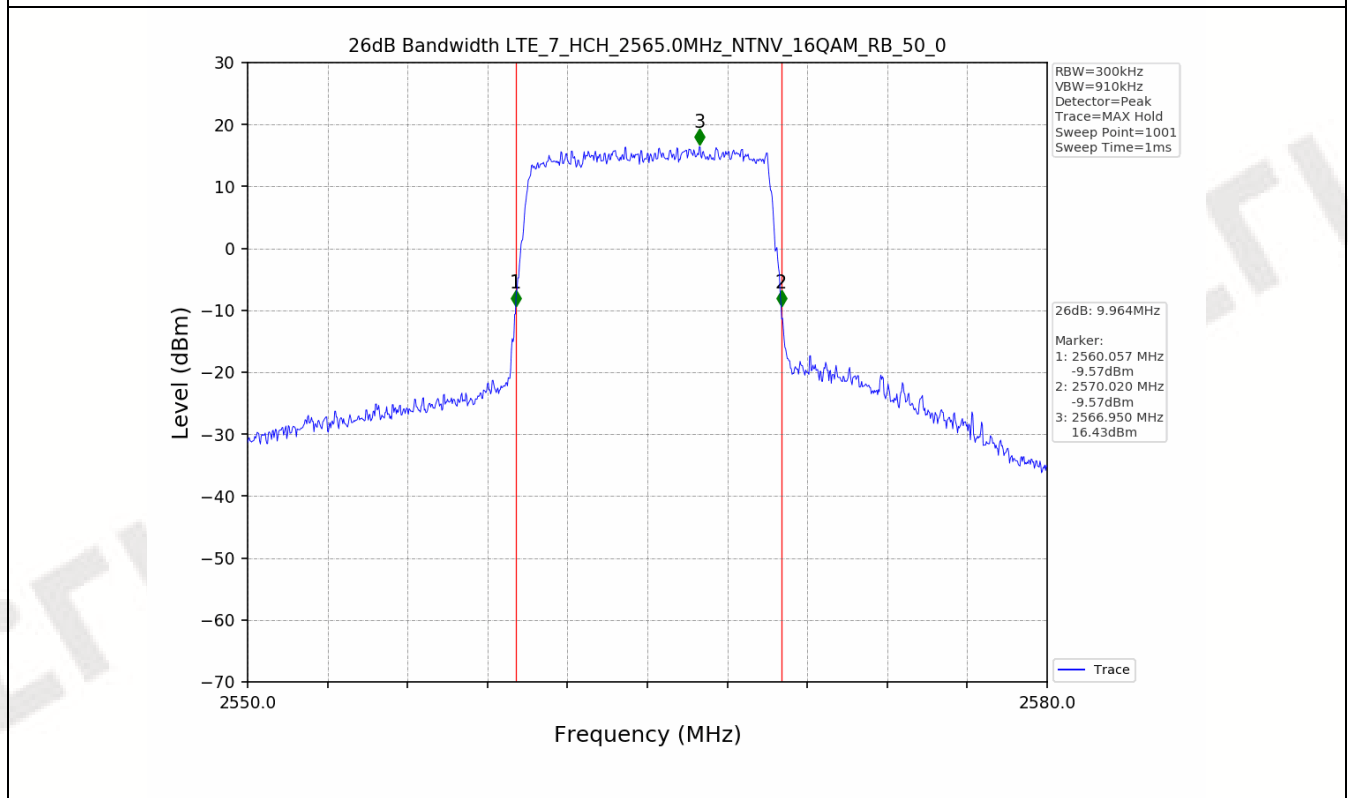
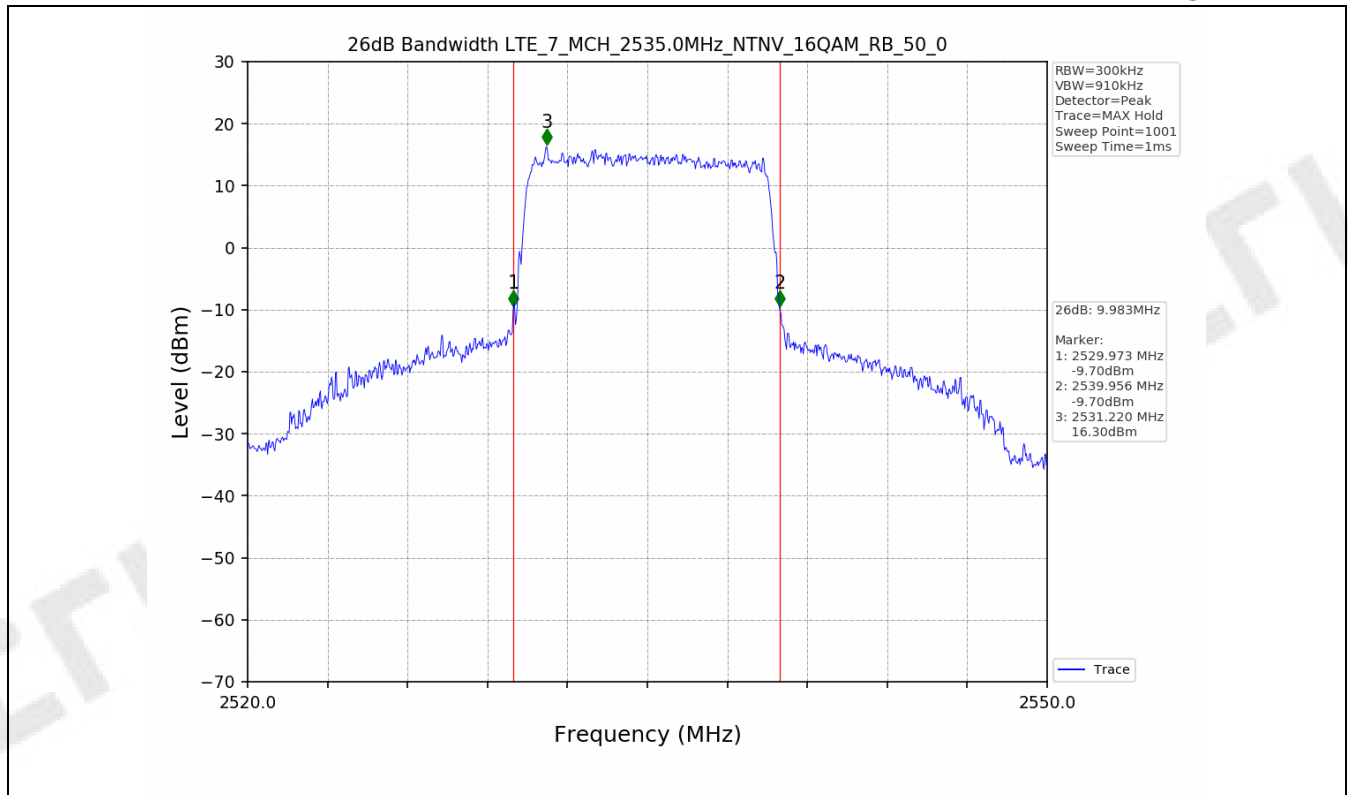


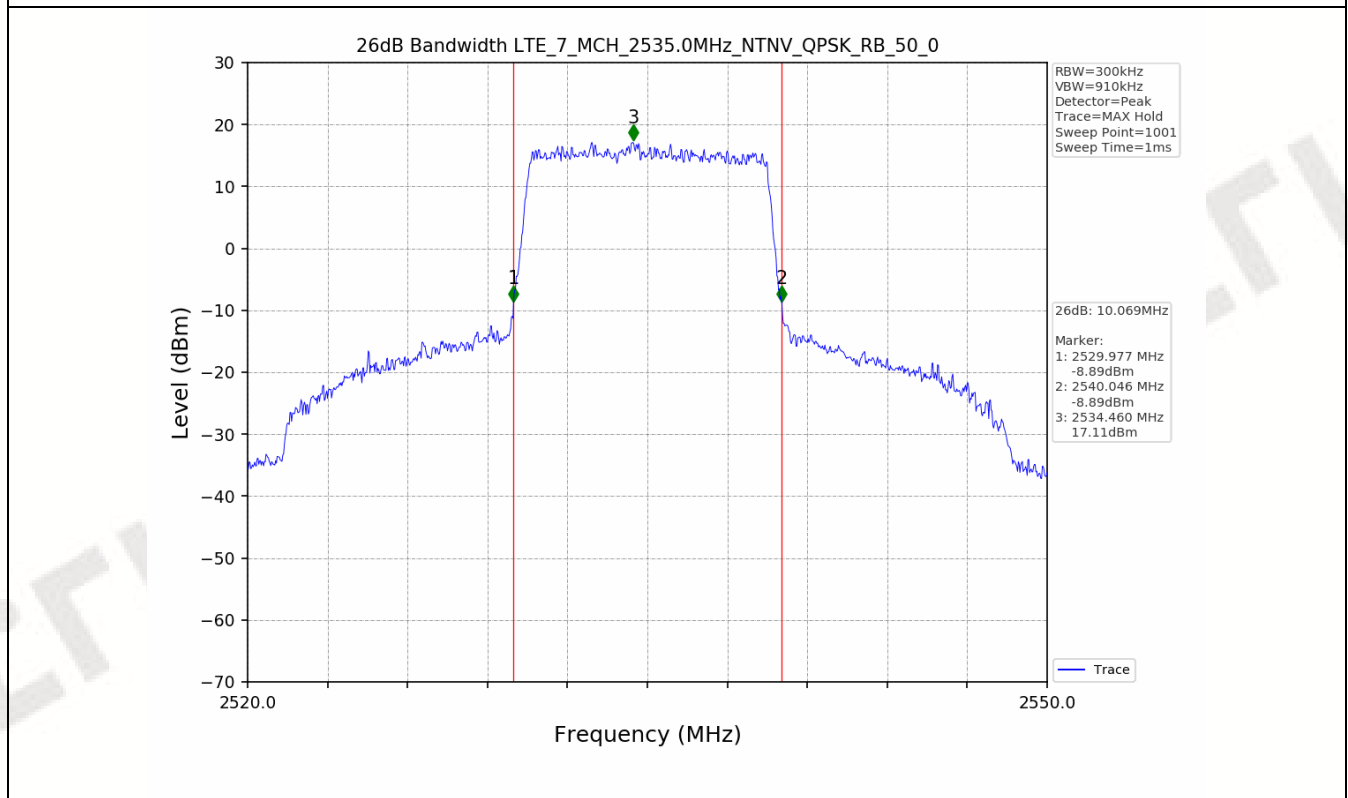
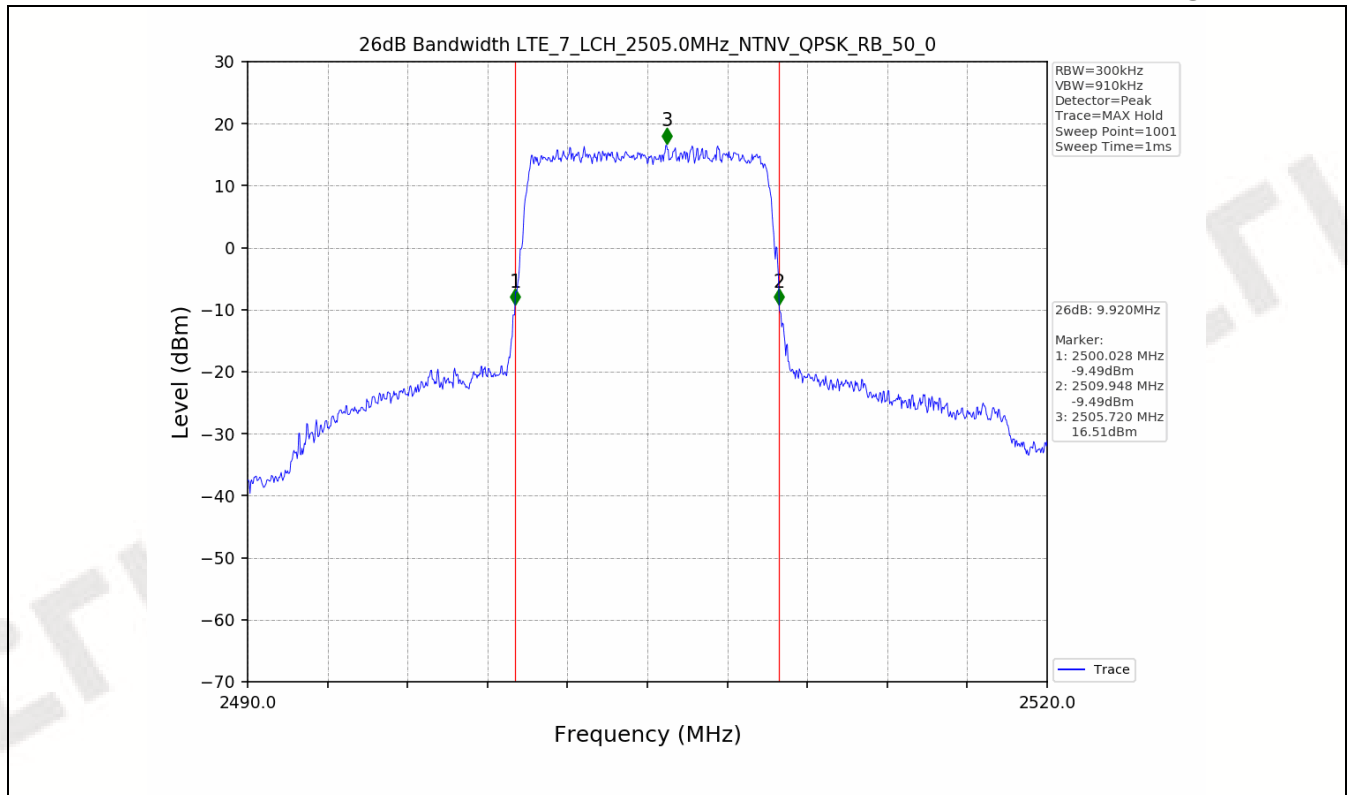


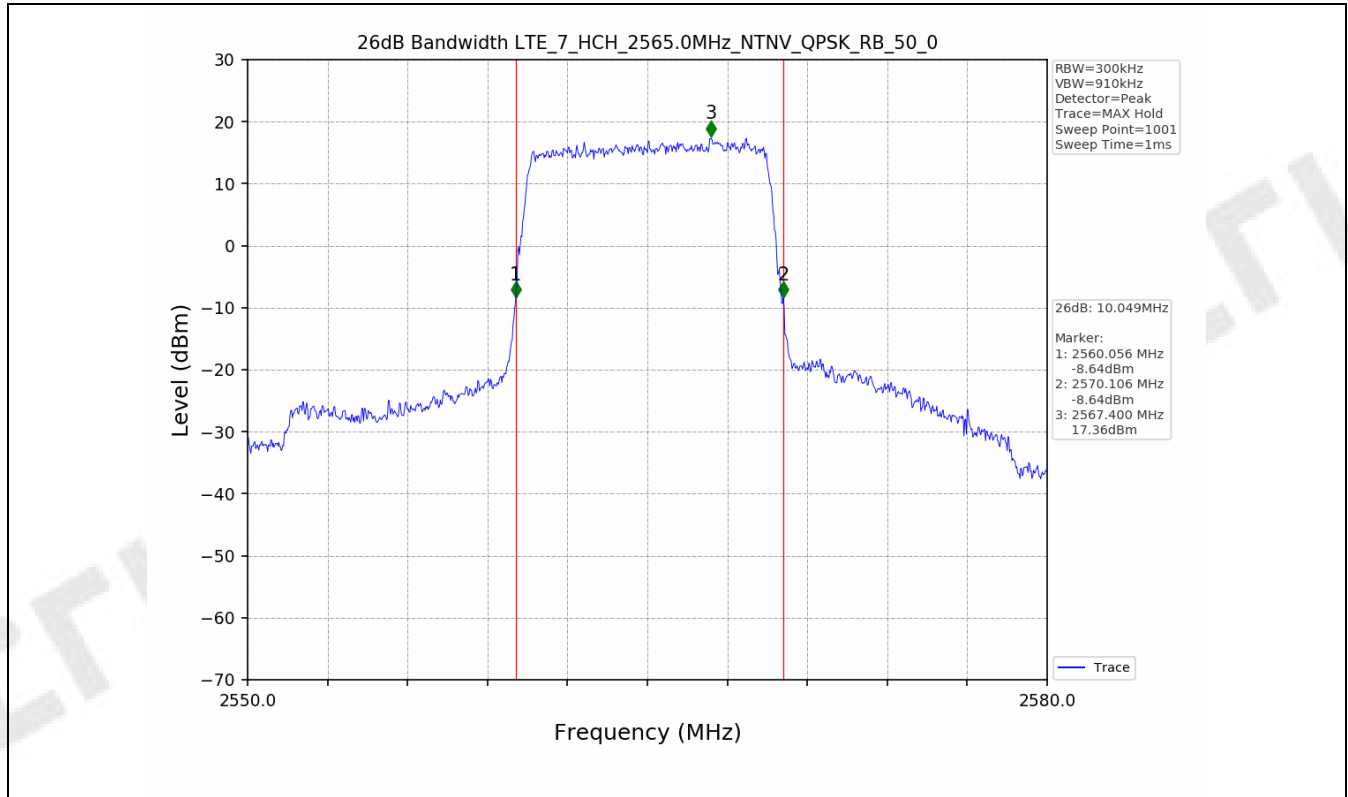
Test Band: 7 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.920	10.069	10.049	N/A	PASS
16QAM	50	0	9.989	9.983	9.964	N/A	PASS

### 4.2 Test Graph





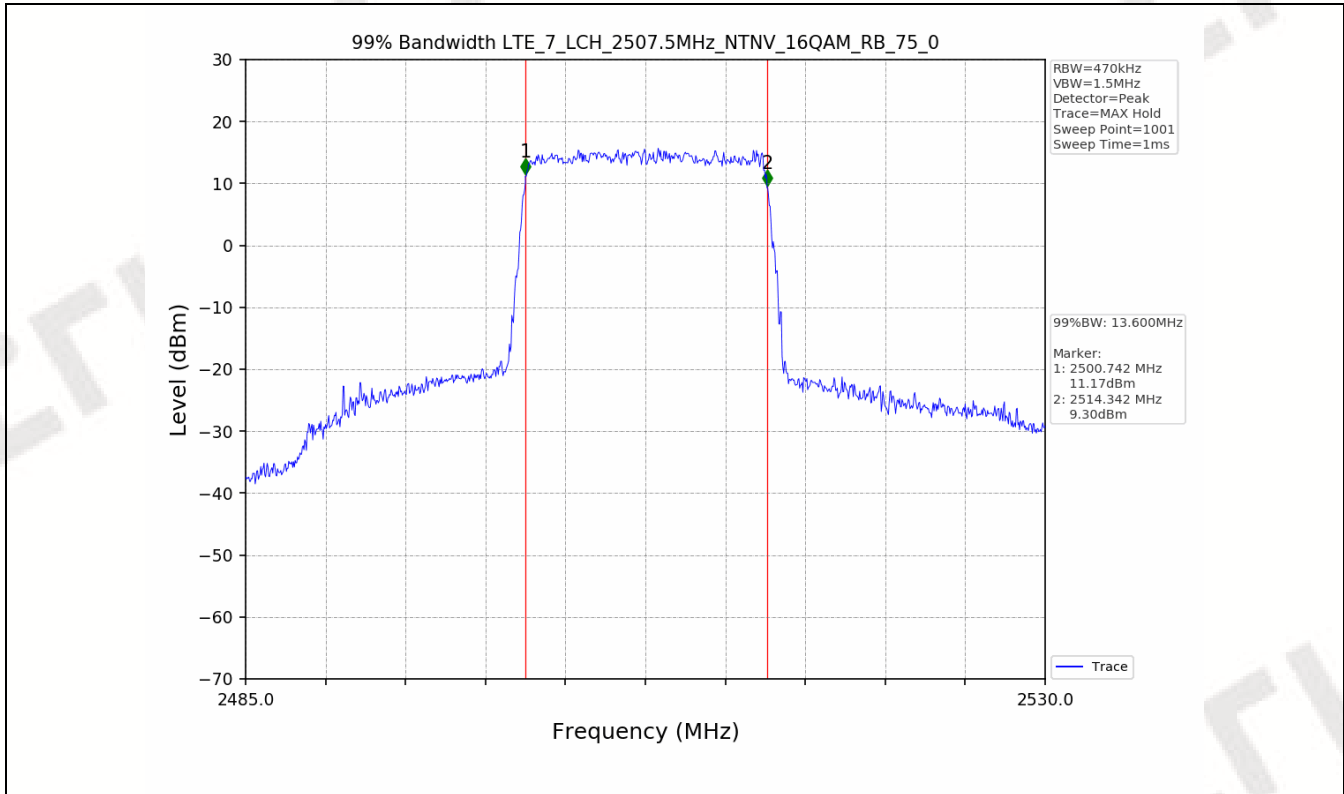


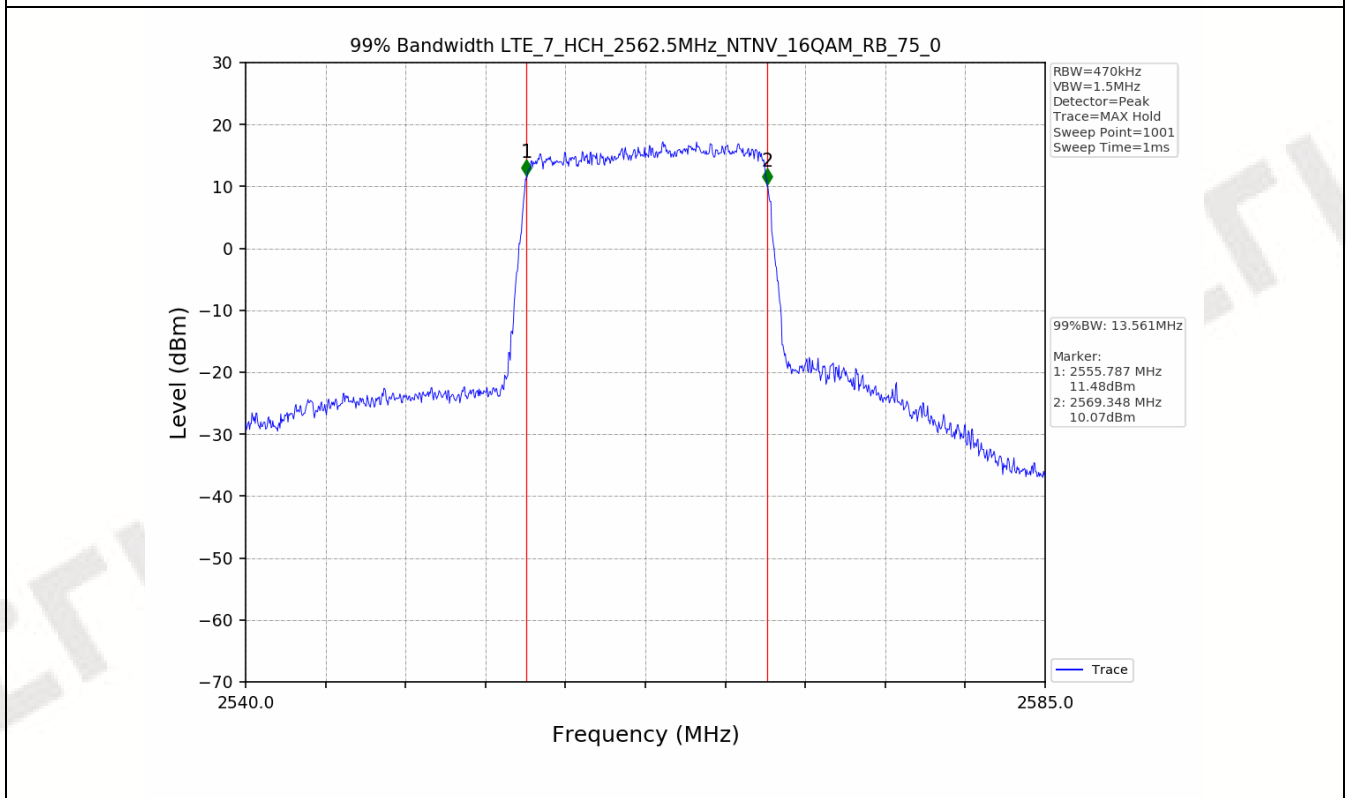
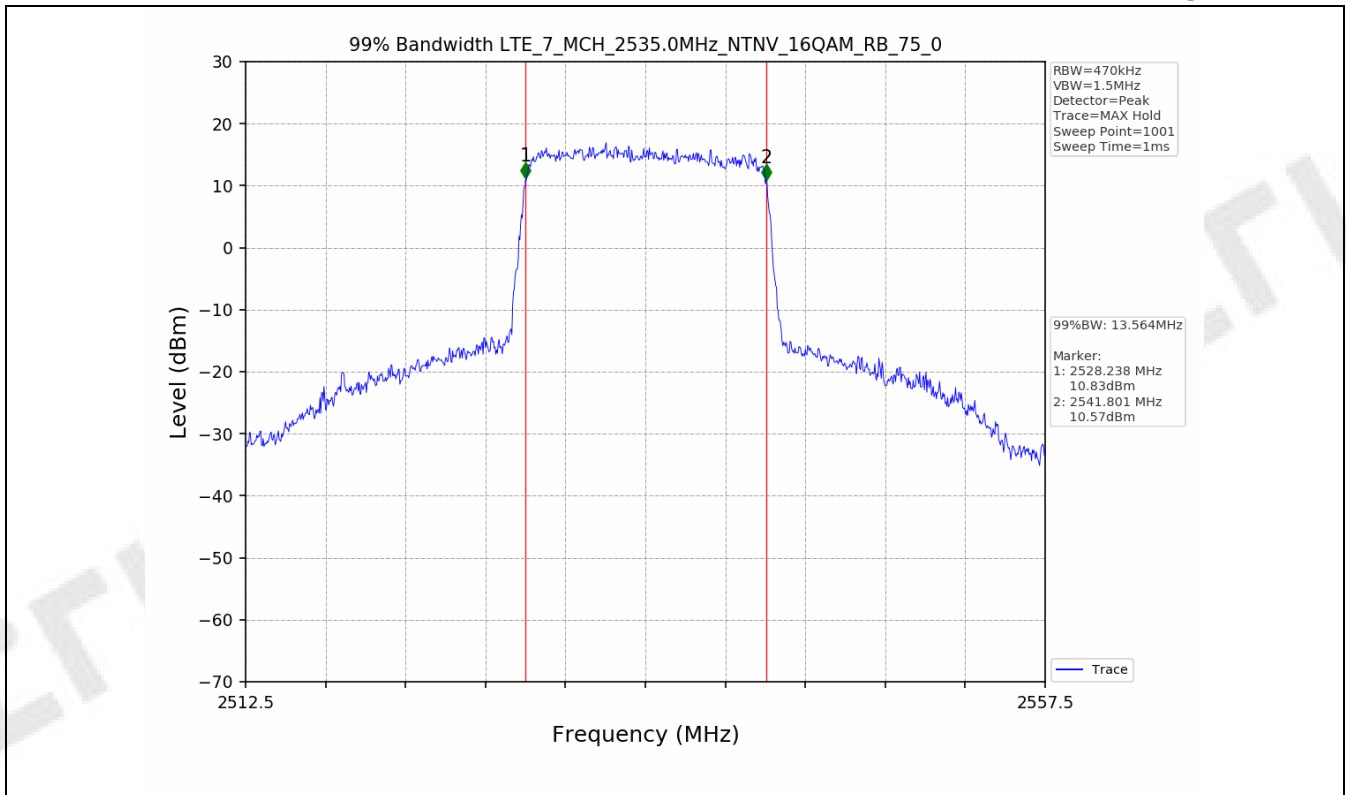




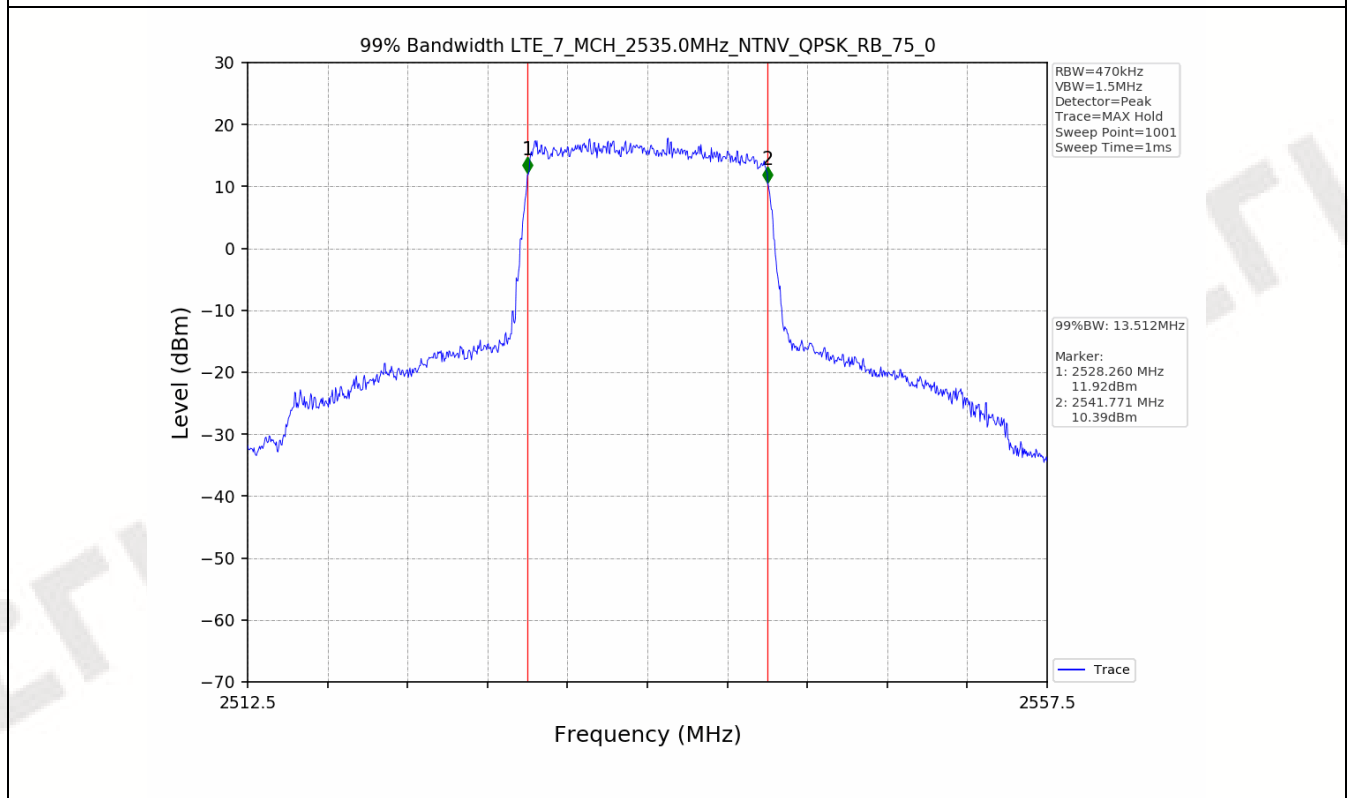
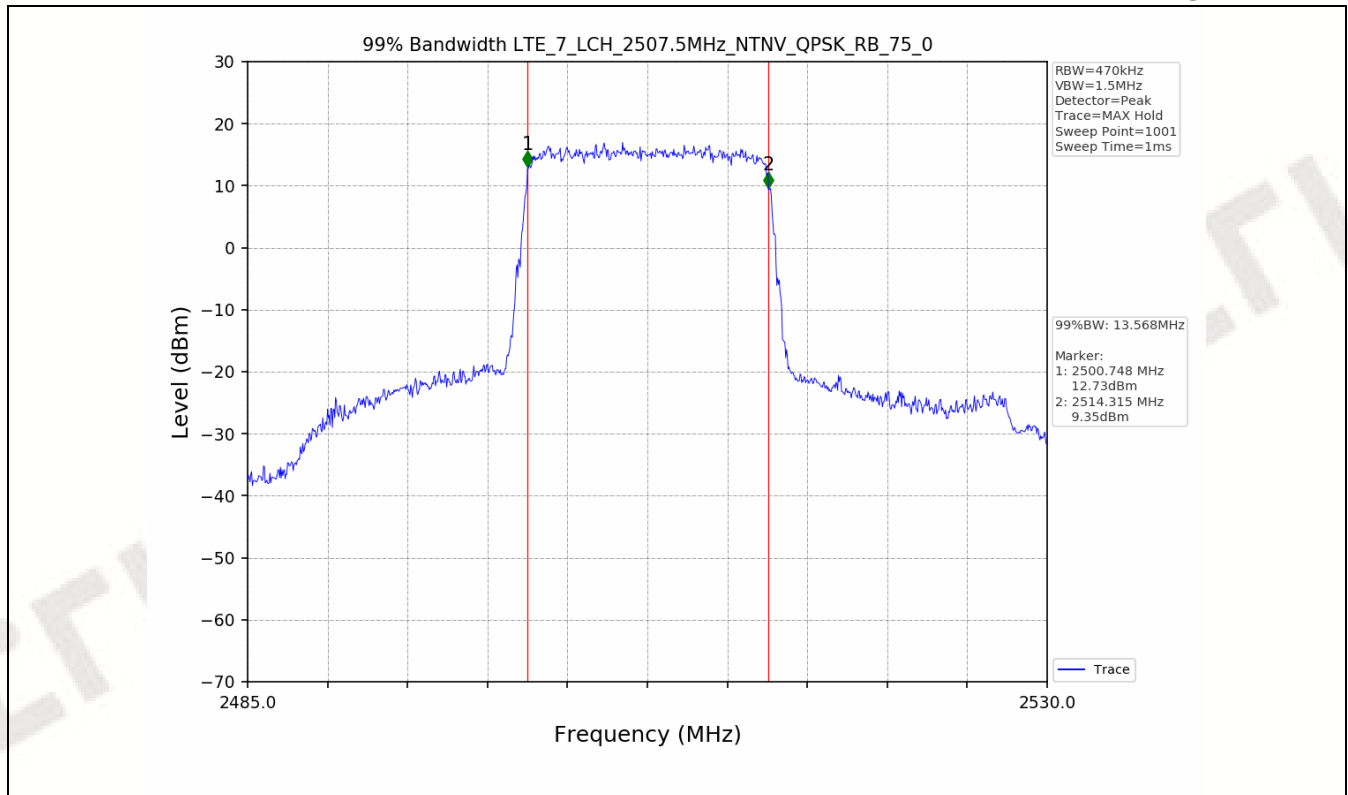
Test Band: 7 _ 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.568	13.512	13.550	N/A	PASS
16QAM	75	0	13.600	13.564	13.561	N/A	PASS

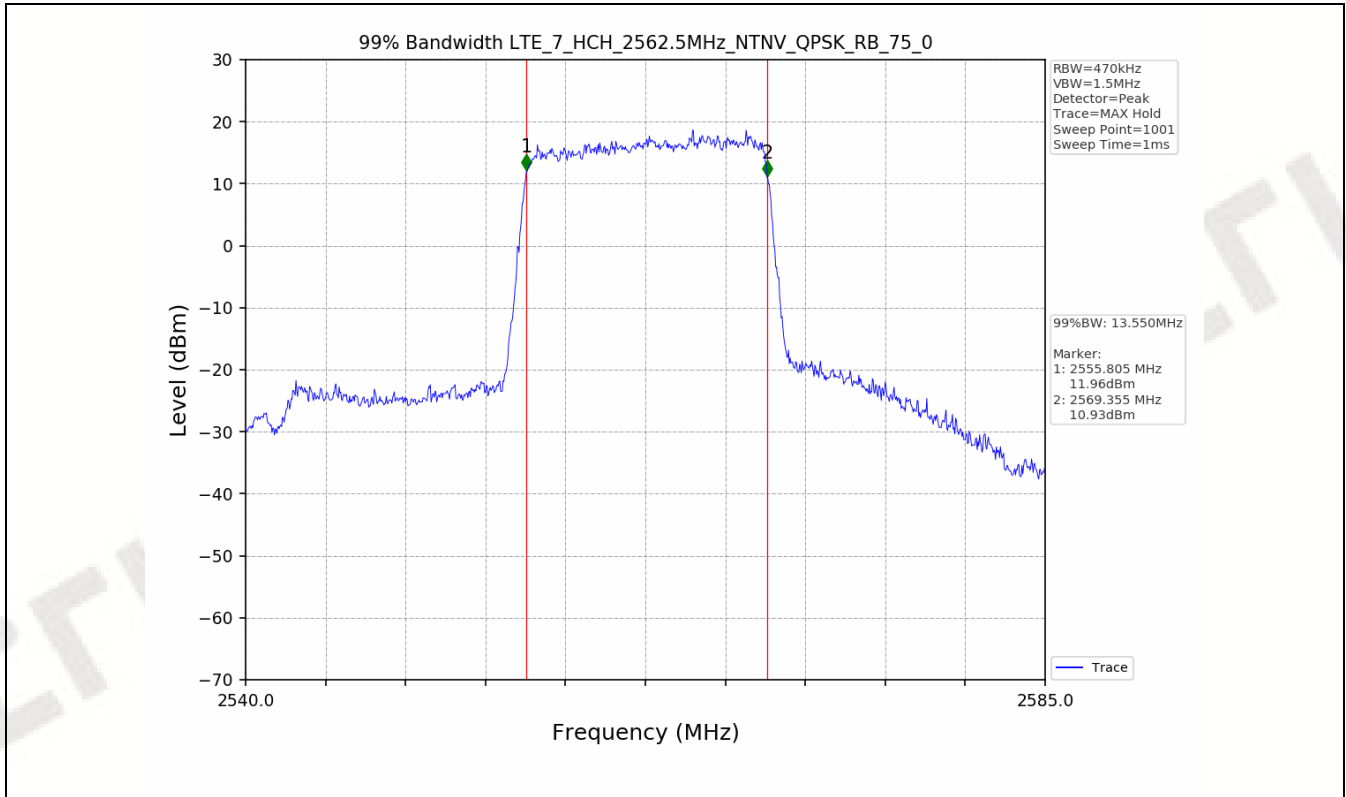
### 4.2 Test Graph







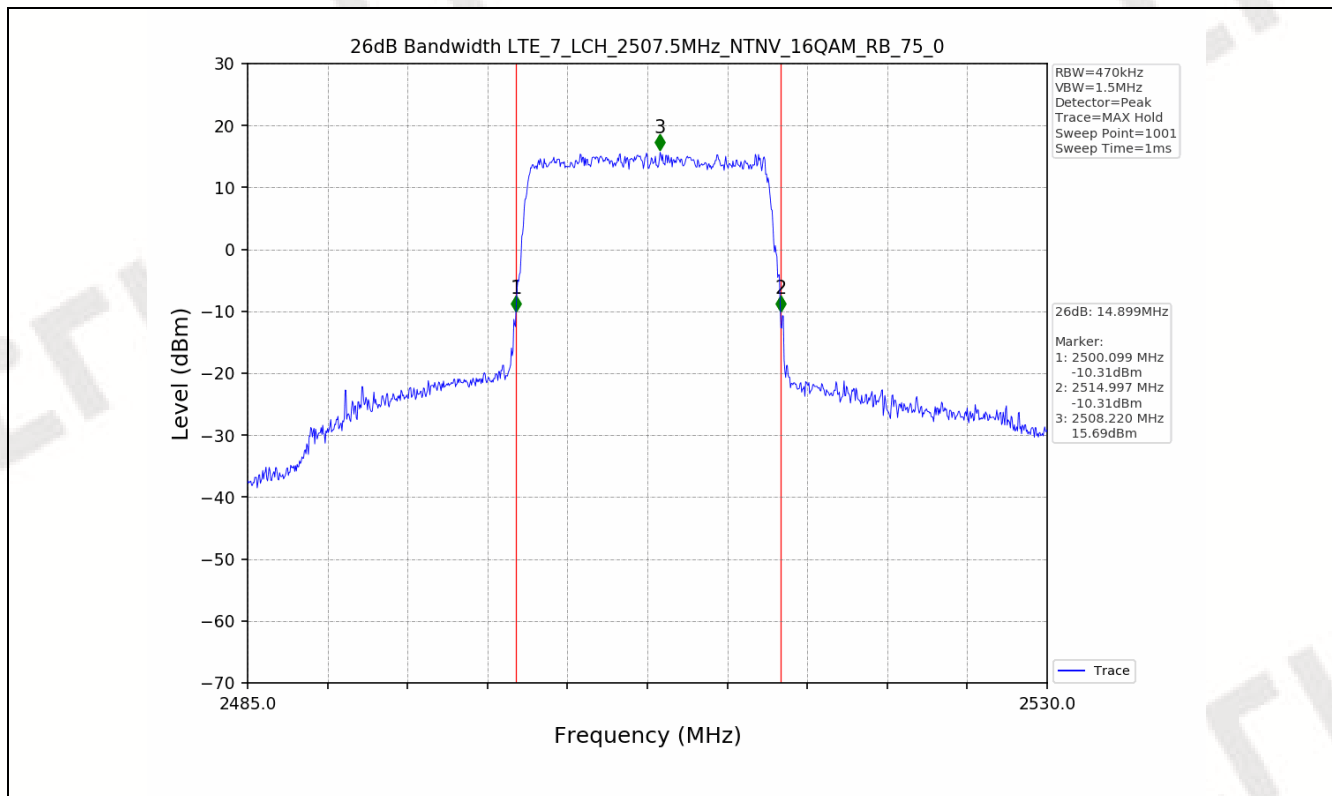


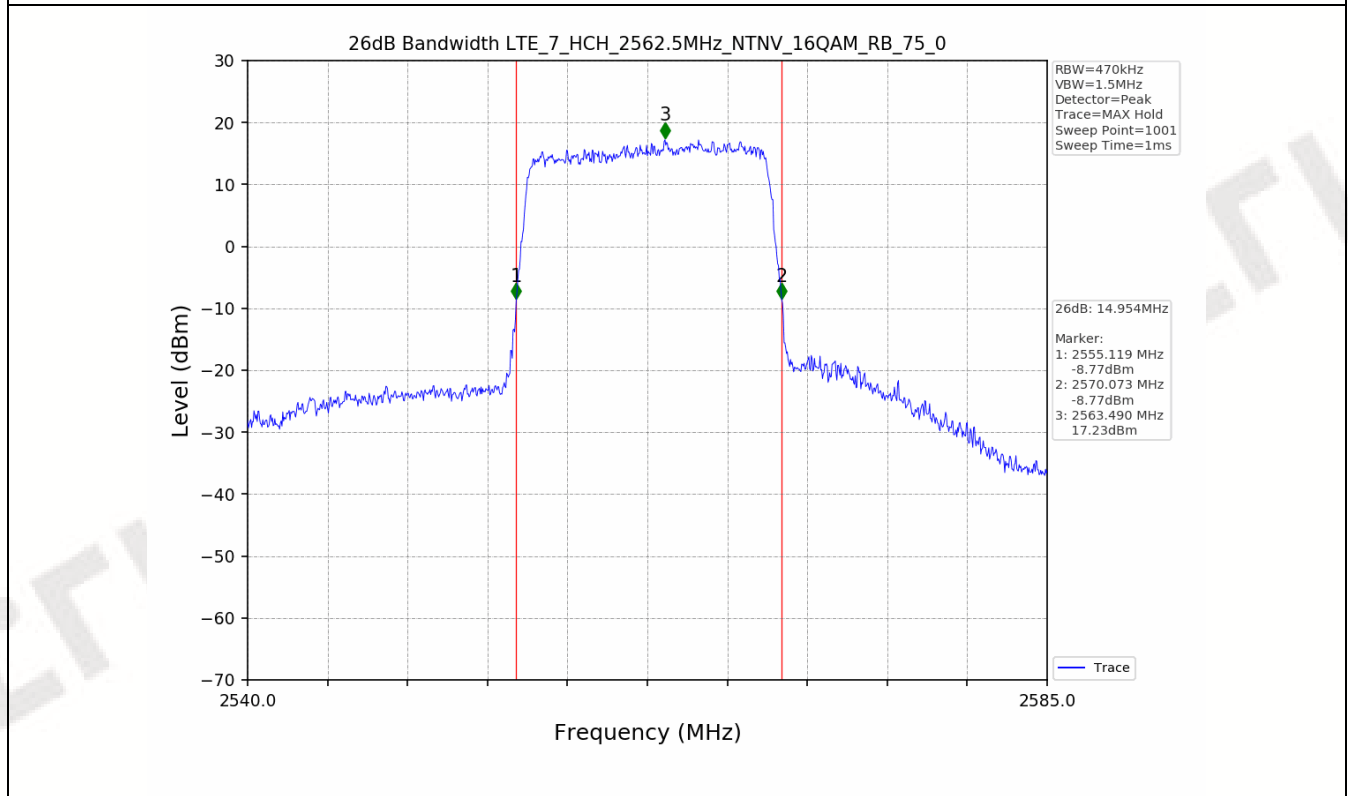
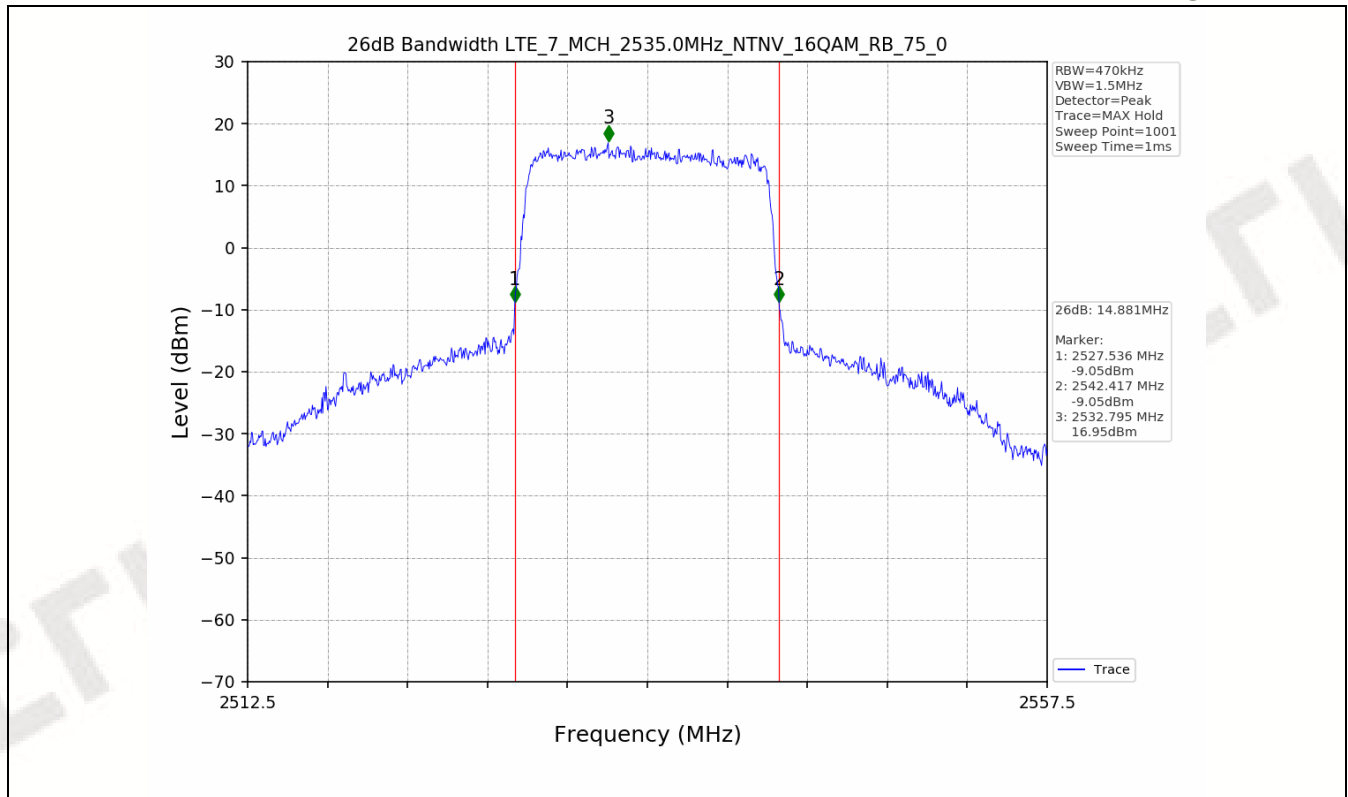


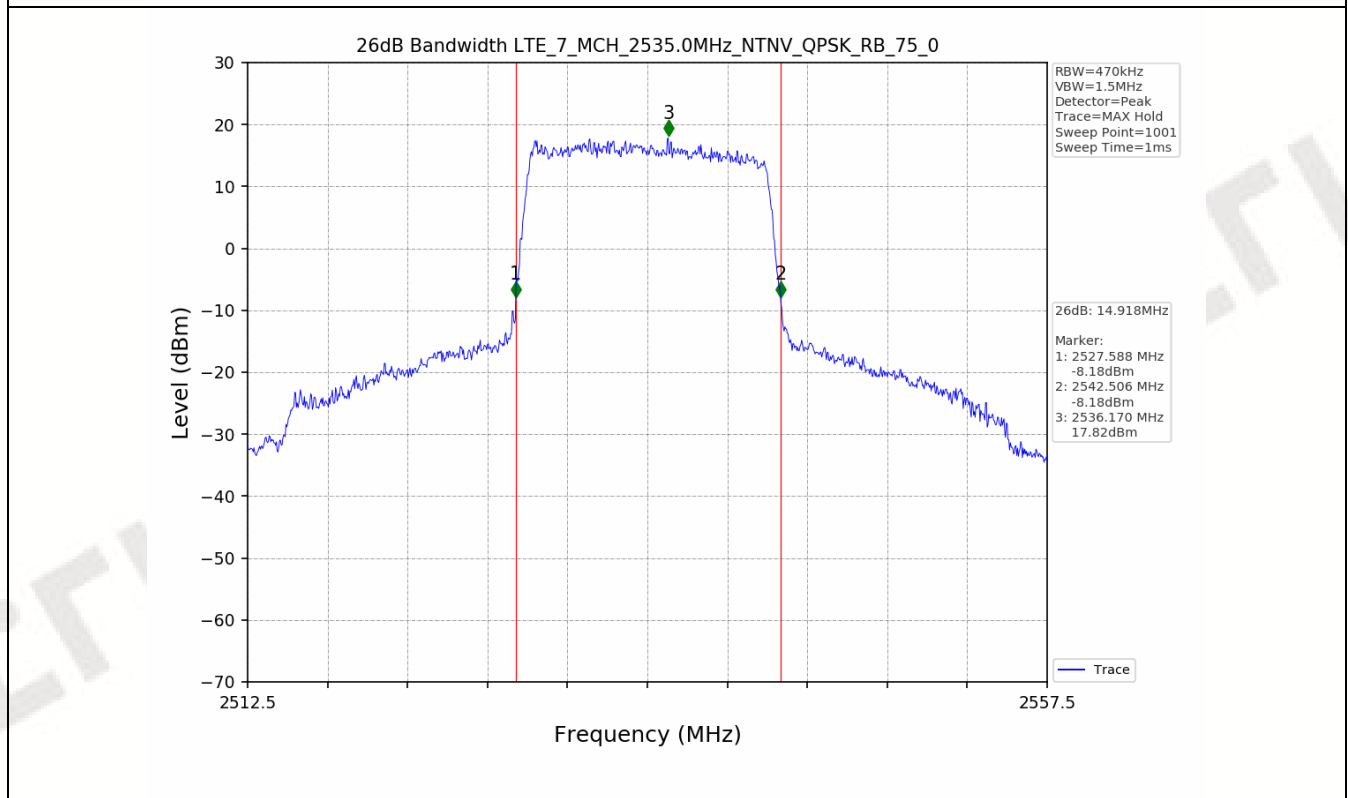
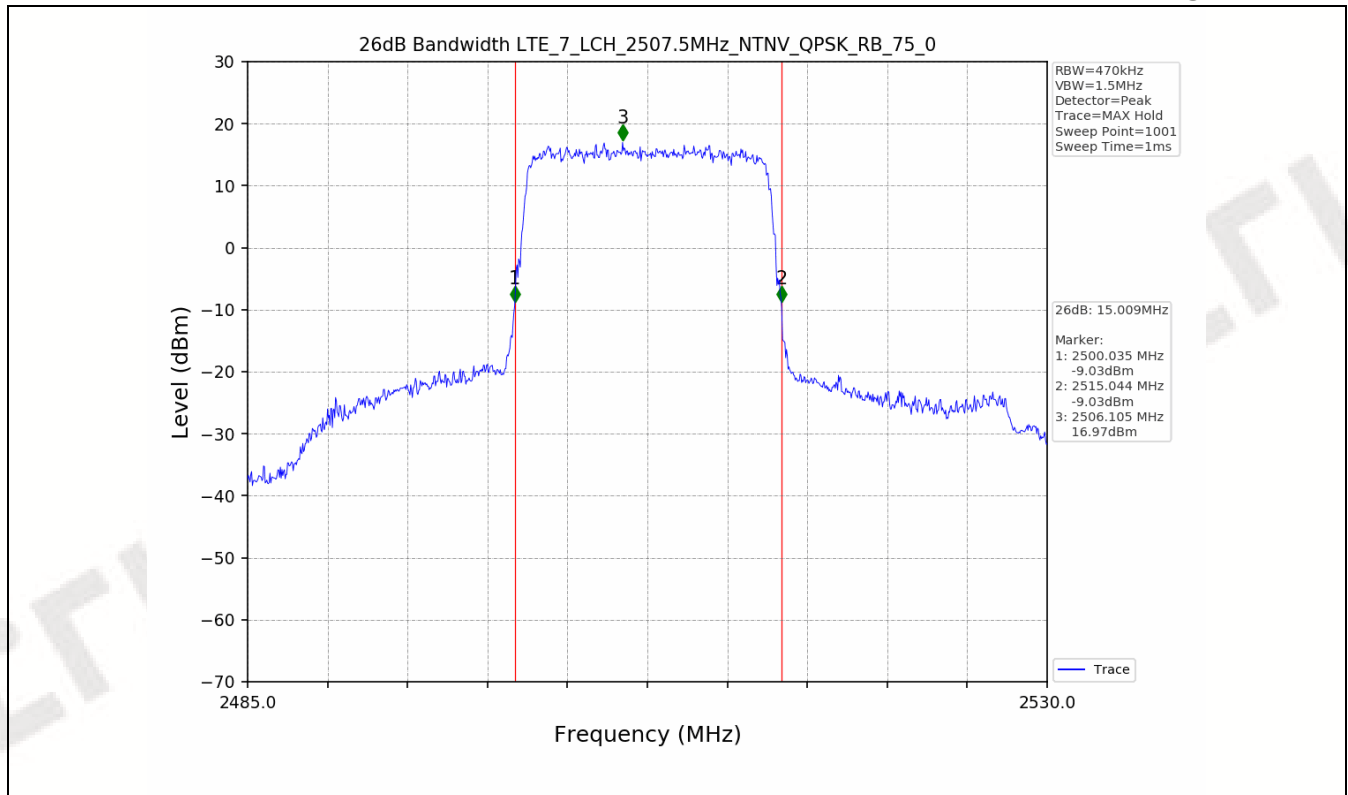


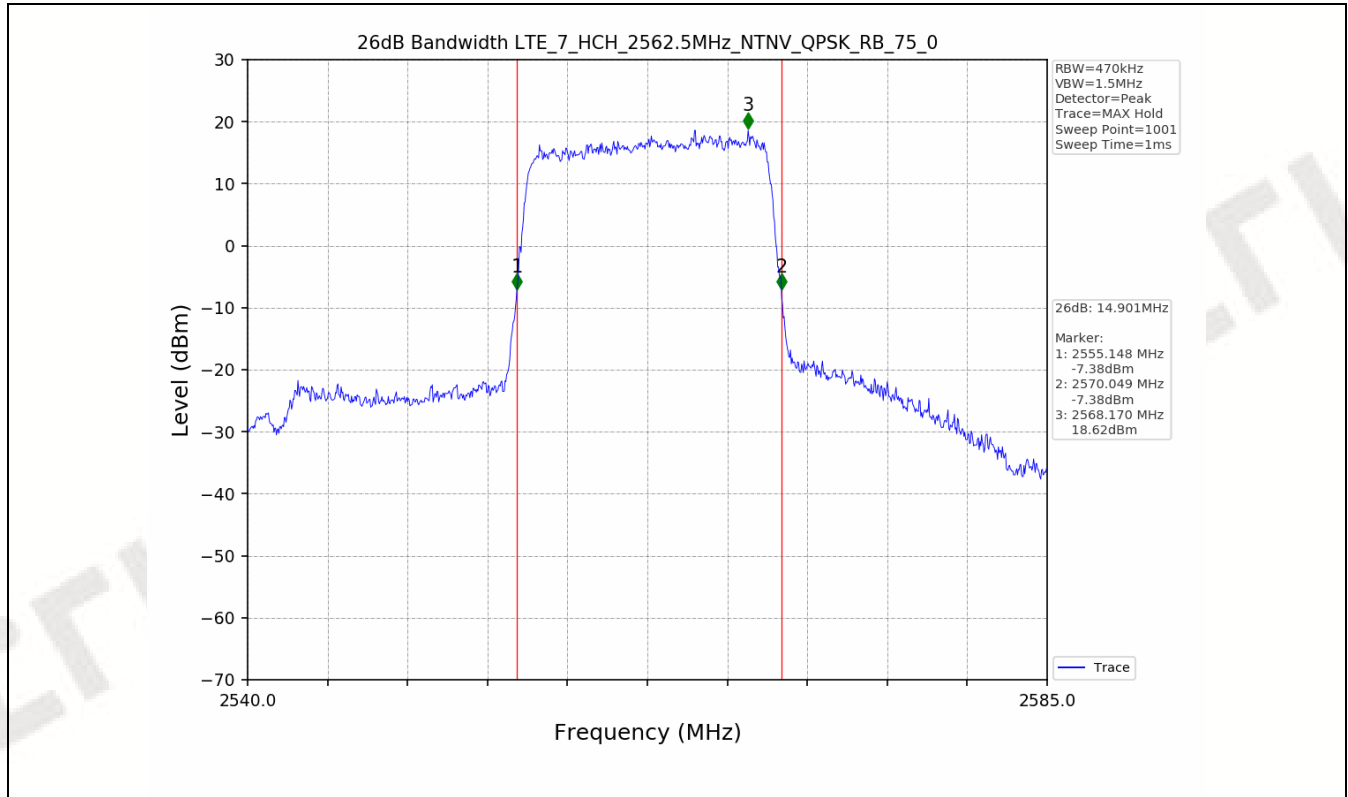
Test Band: 7 _ 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	15.009	14.918	14.901	N/A	PASS
16QAM	75	0	14.899	14.881	14.954	N/A	PASS

## 4.2 Test Graph





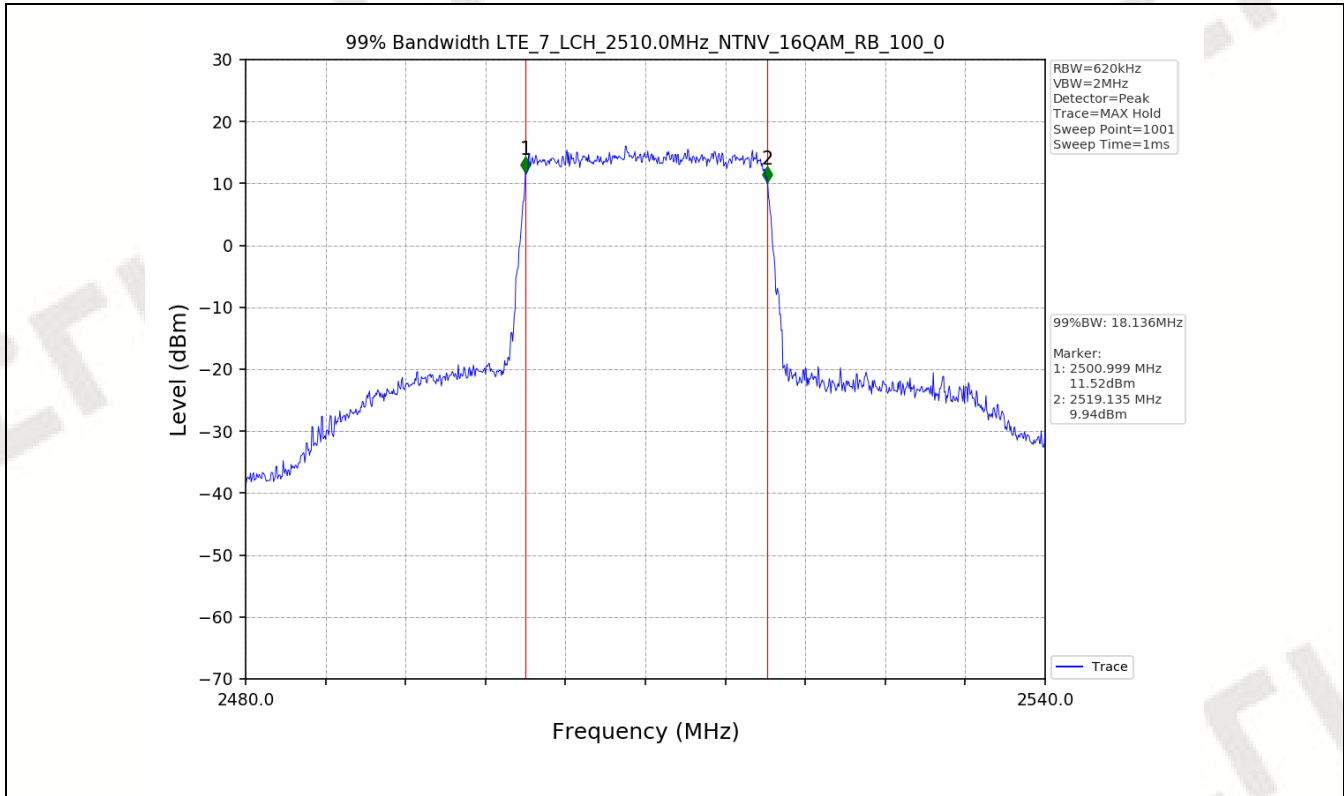


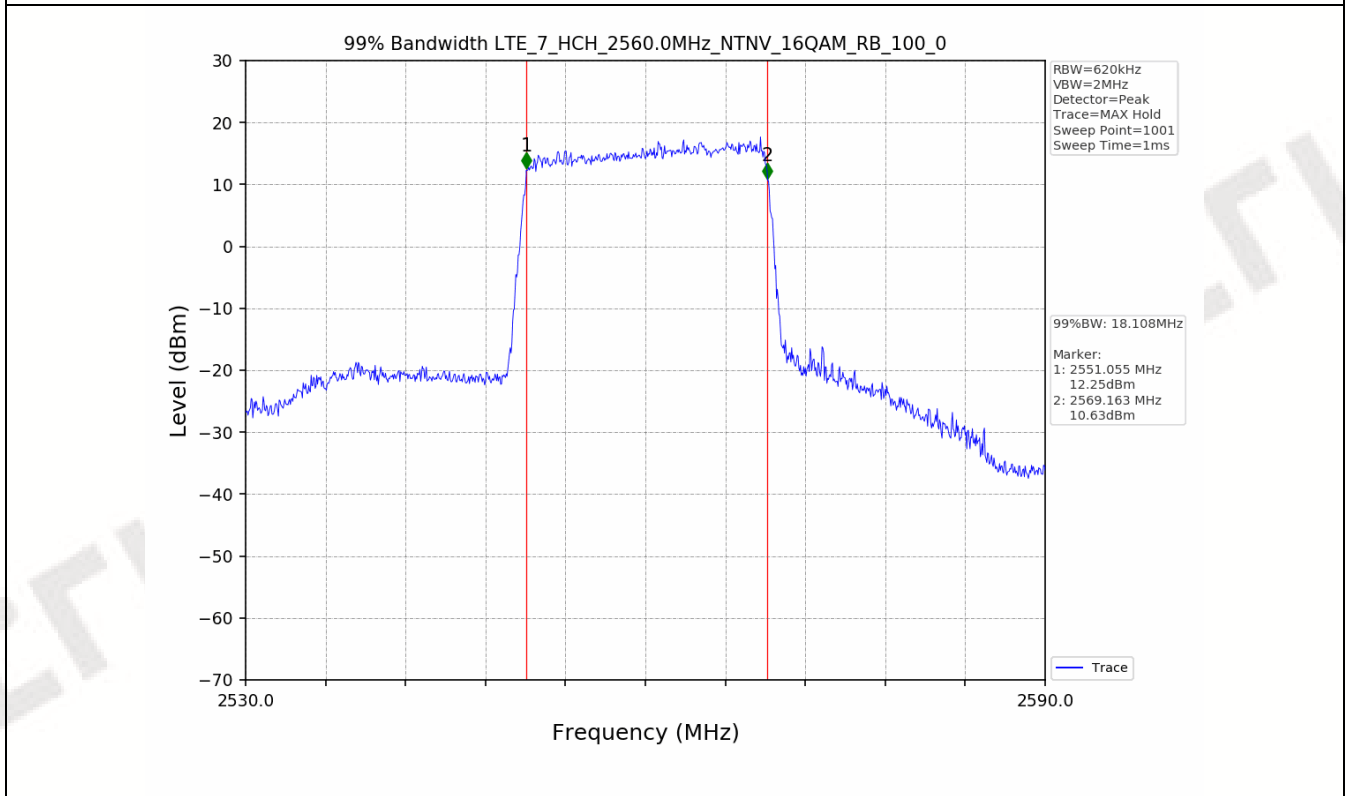
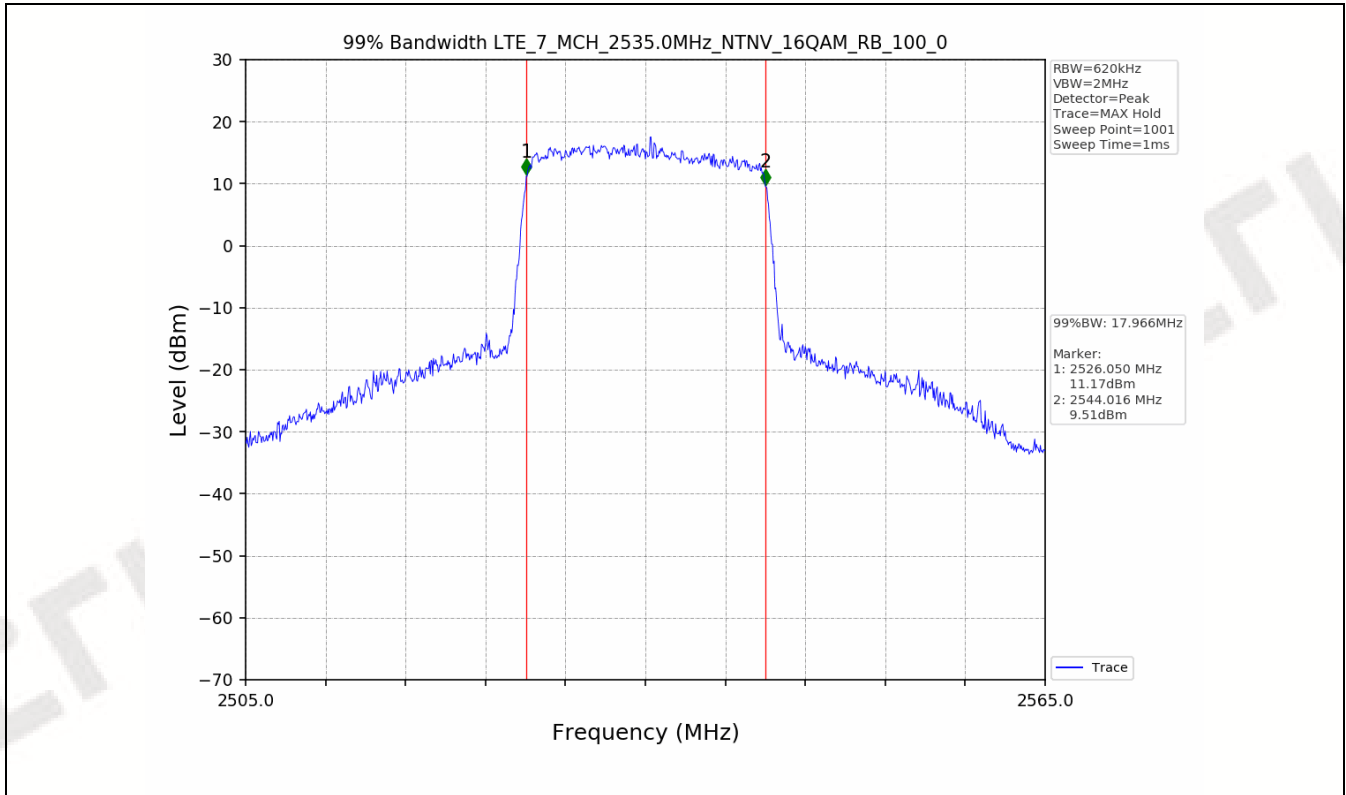




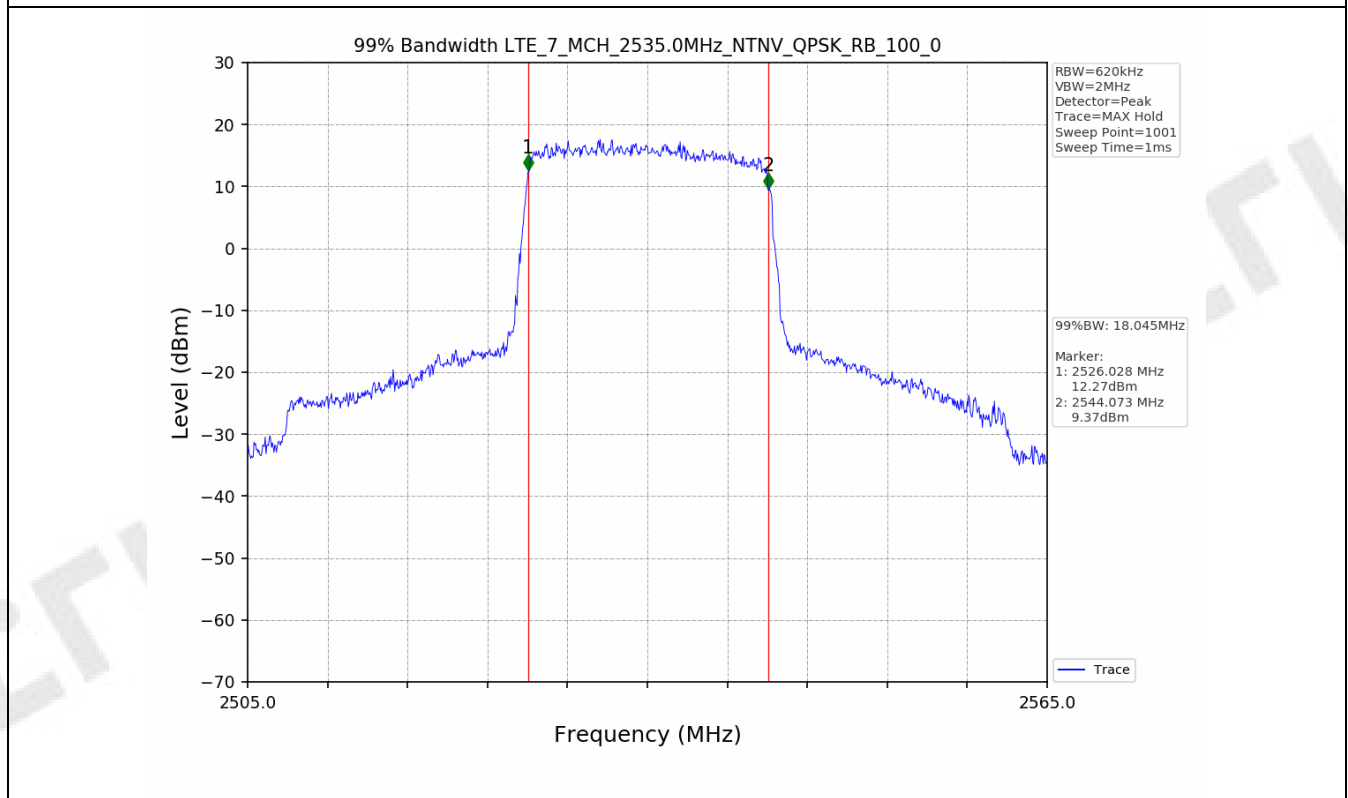
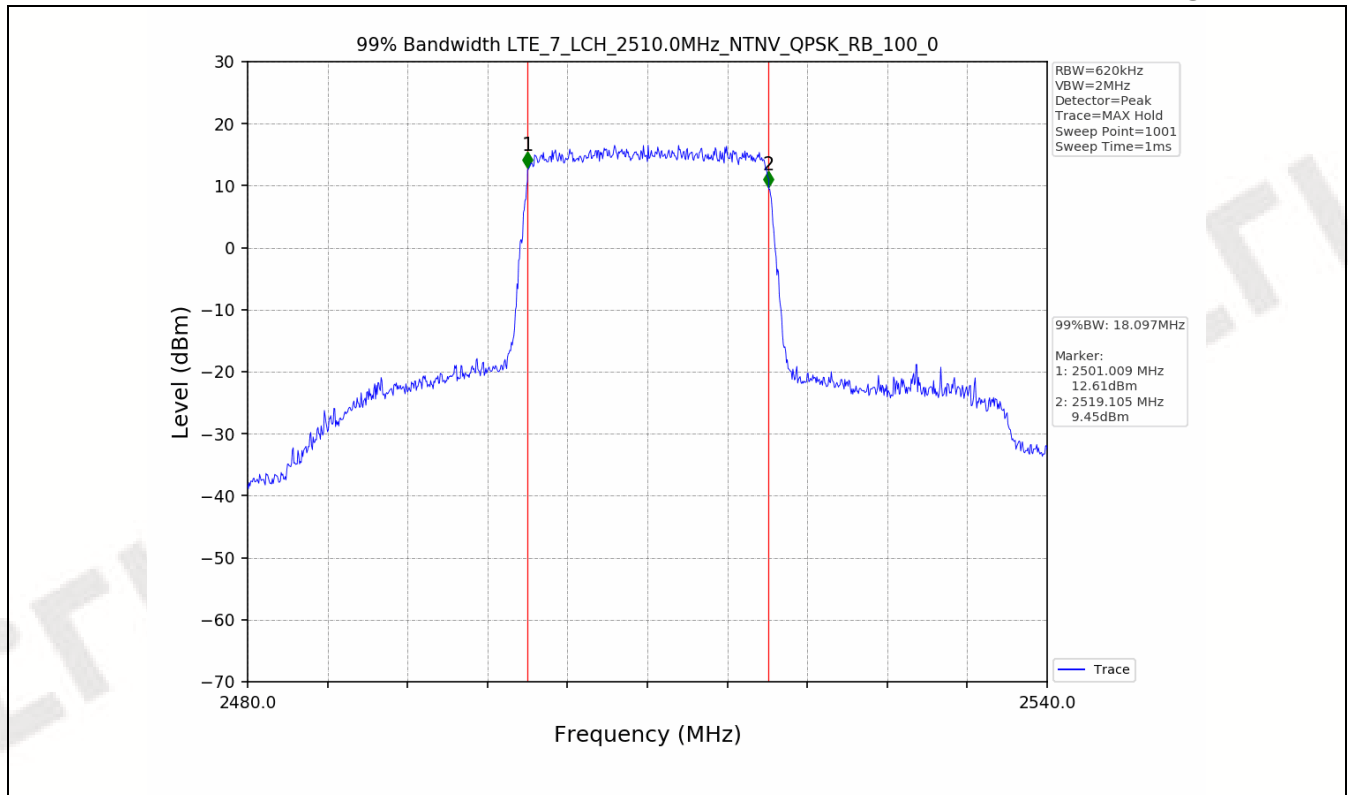
Test Band: 7 _ 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.097	18.045	18.095	N/A	PASS
16QAM	100	0	18.136	17.966	18.108	N/A	PASS

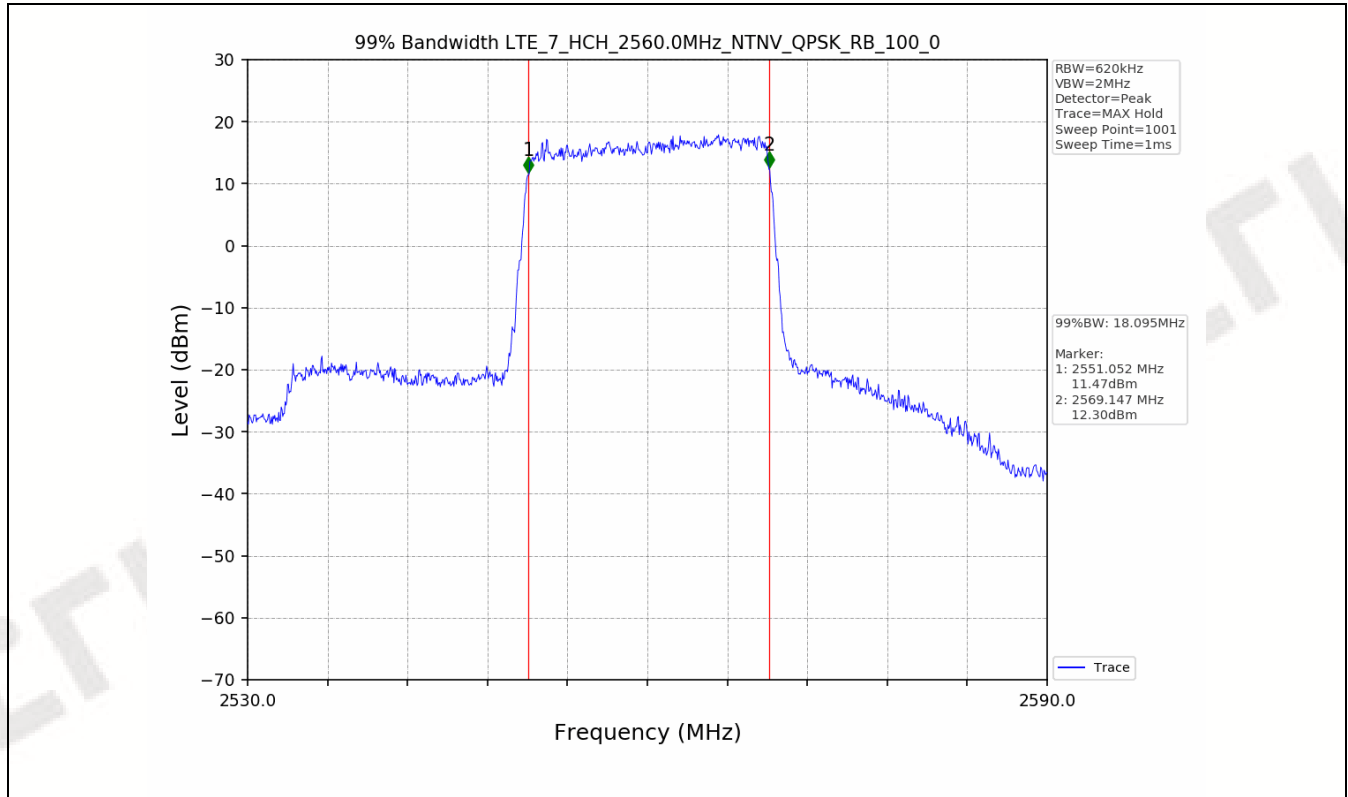
### 4.2 Test Graph







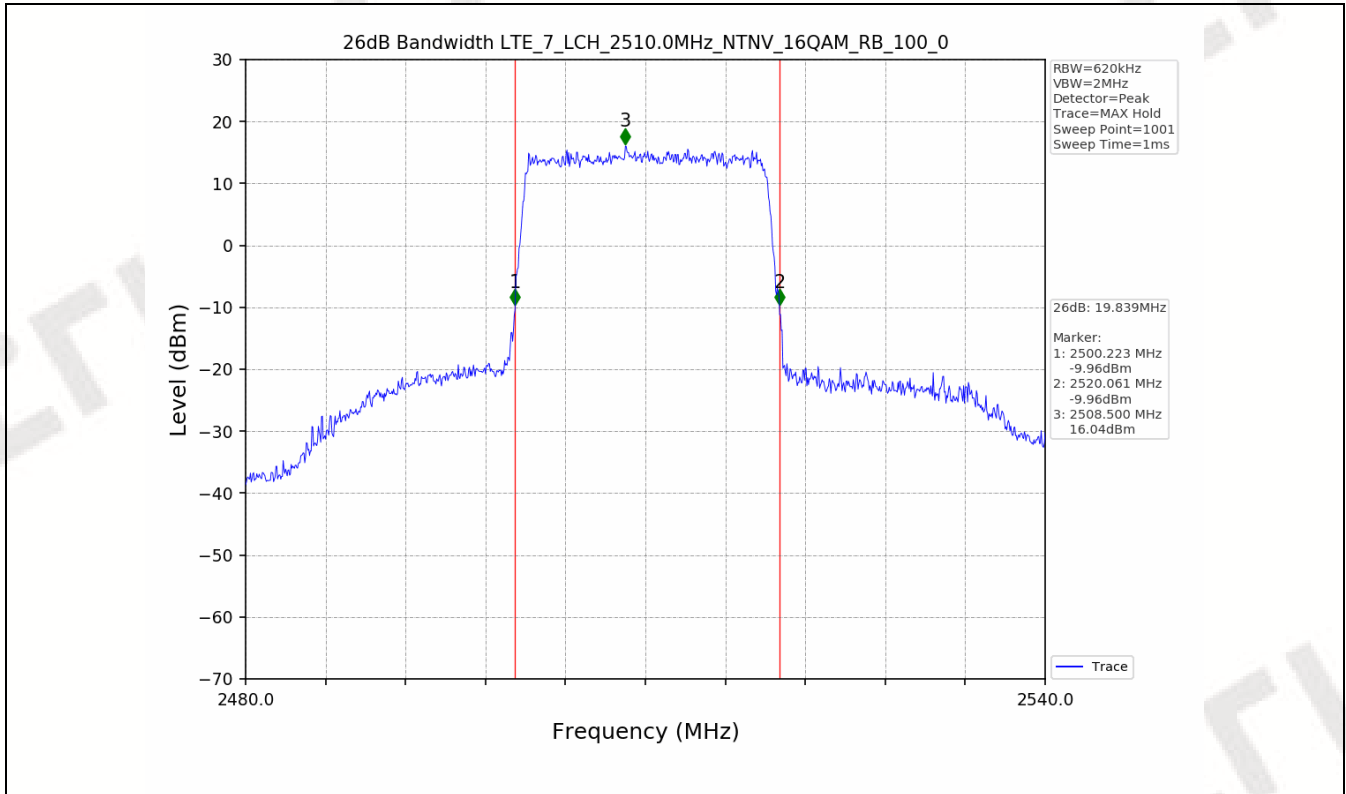


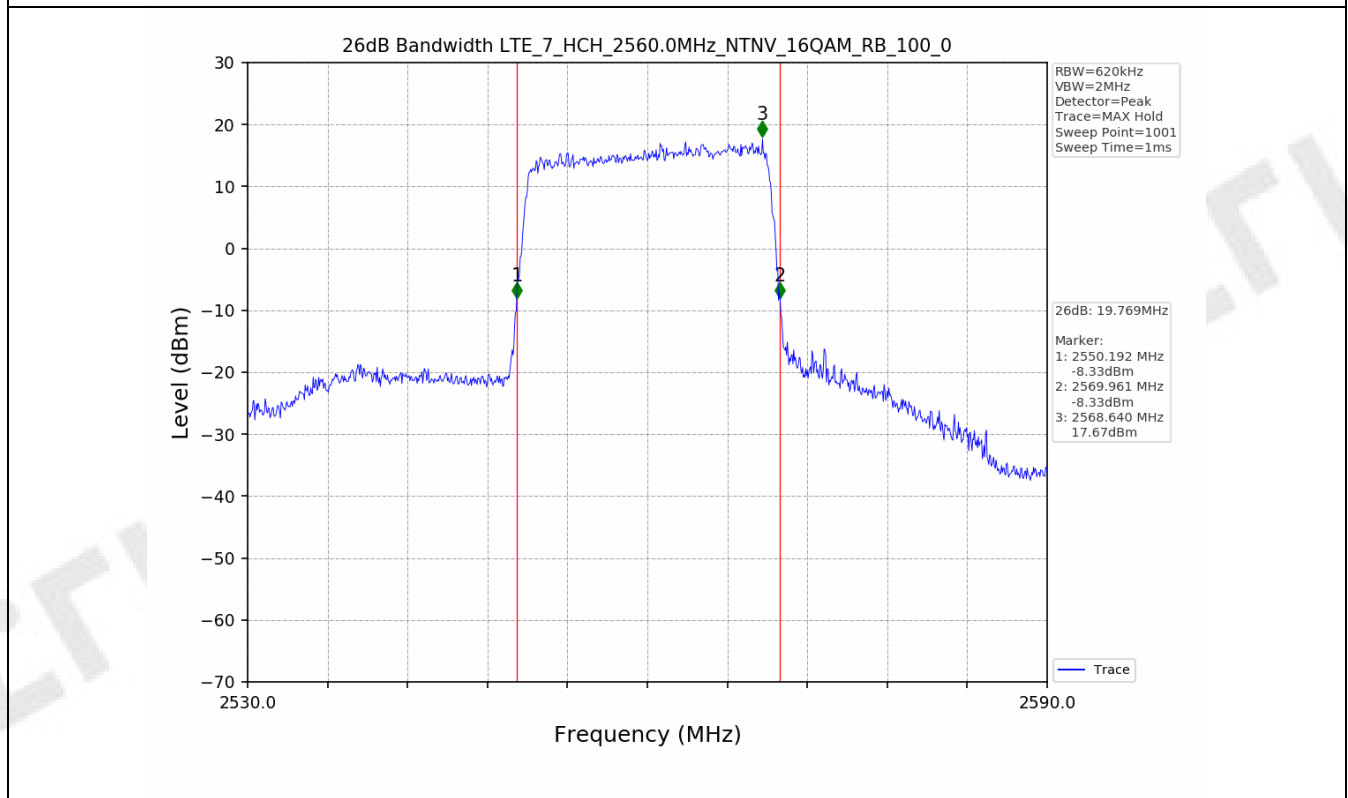
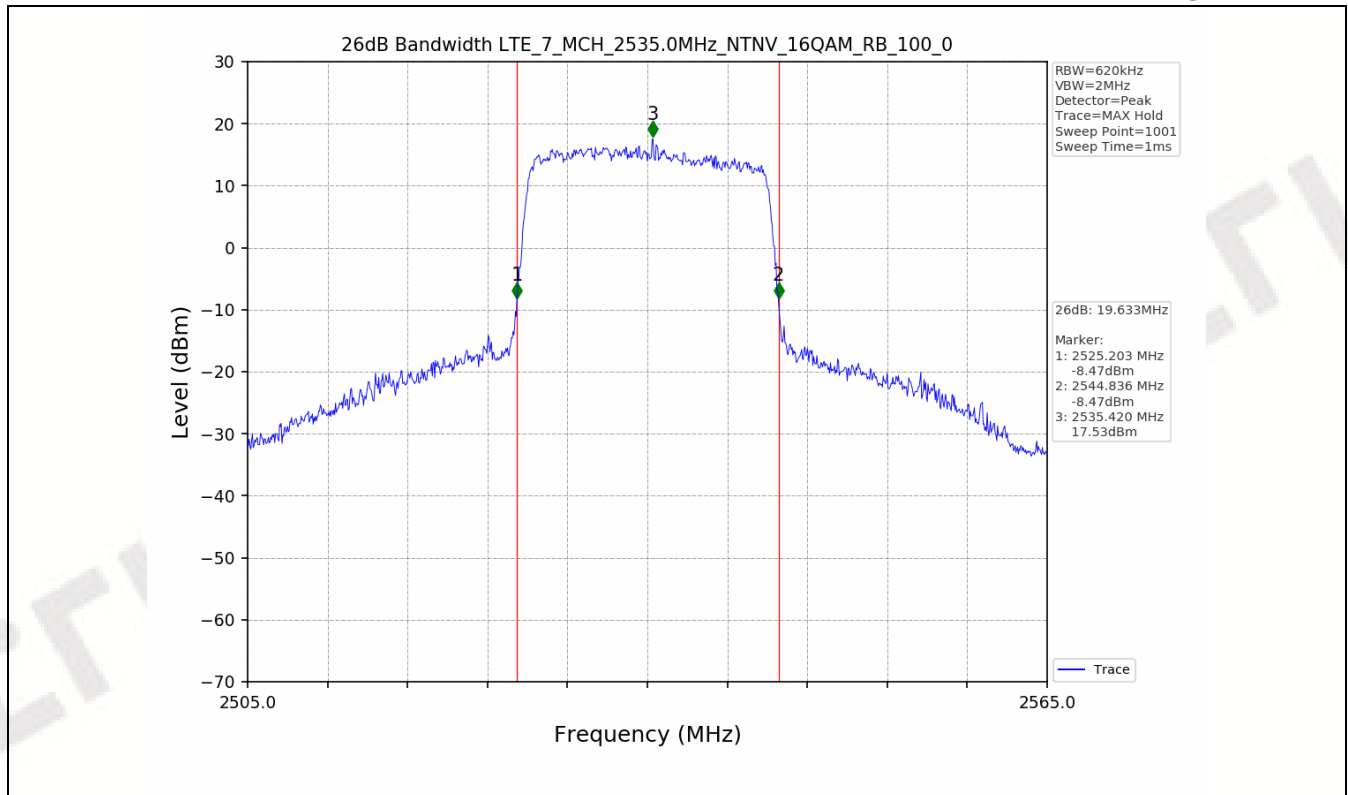


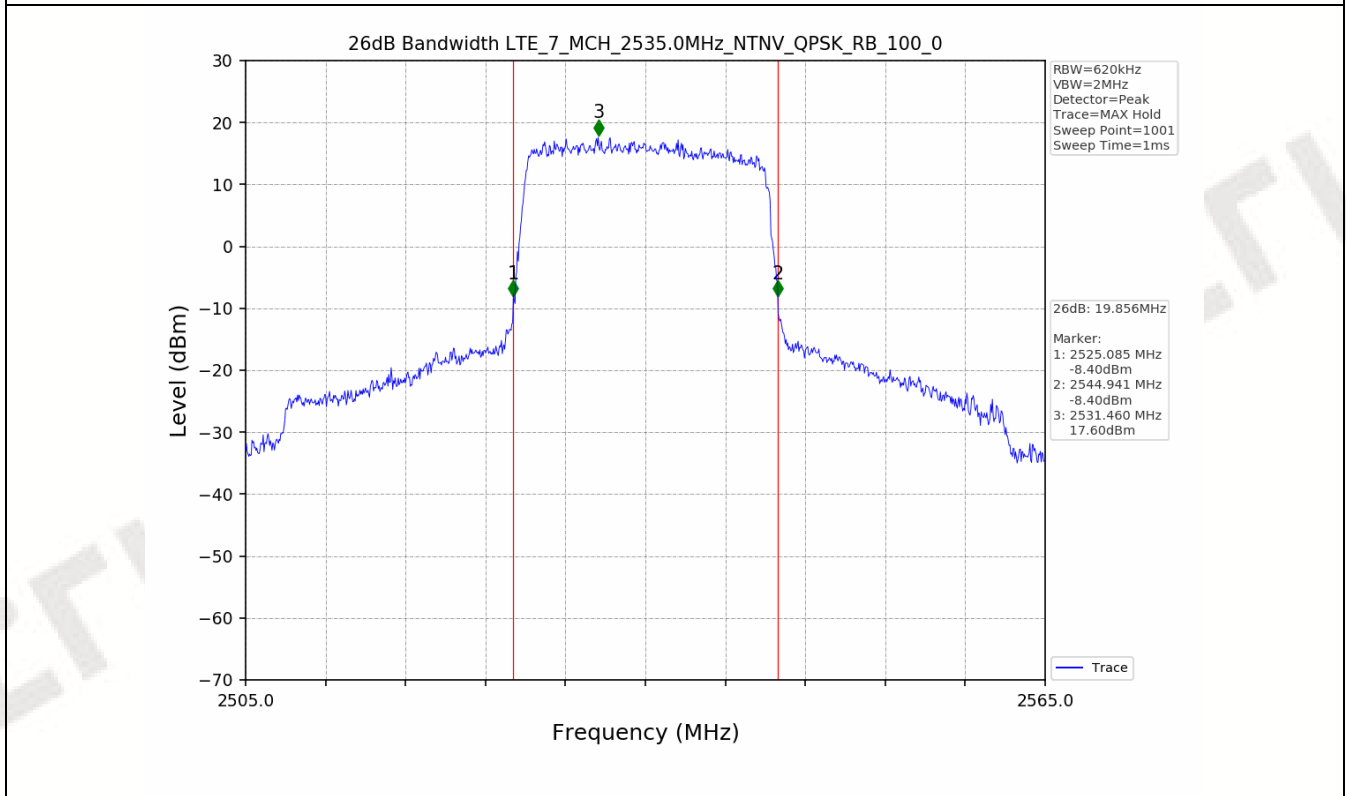
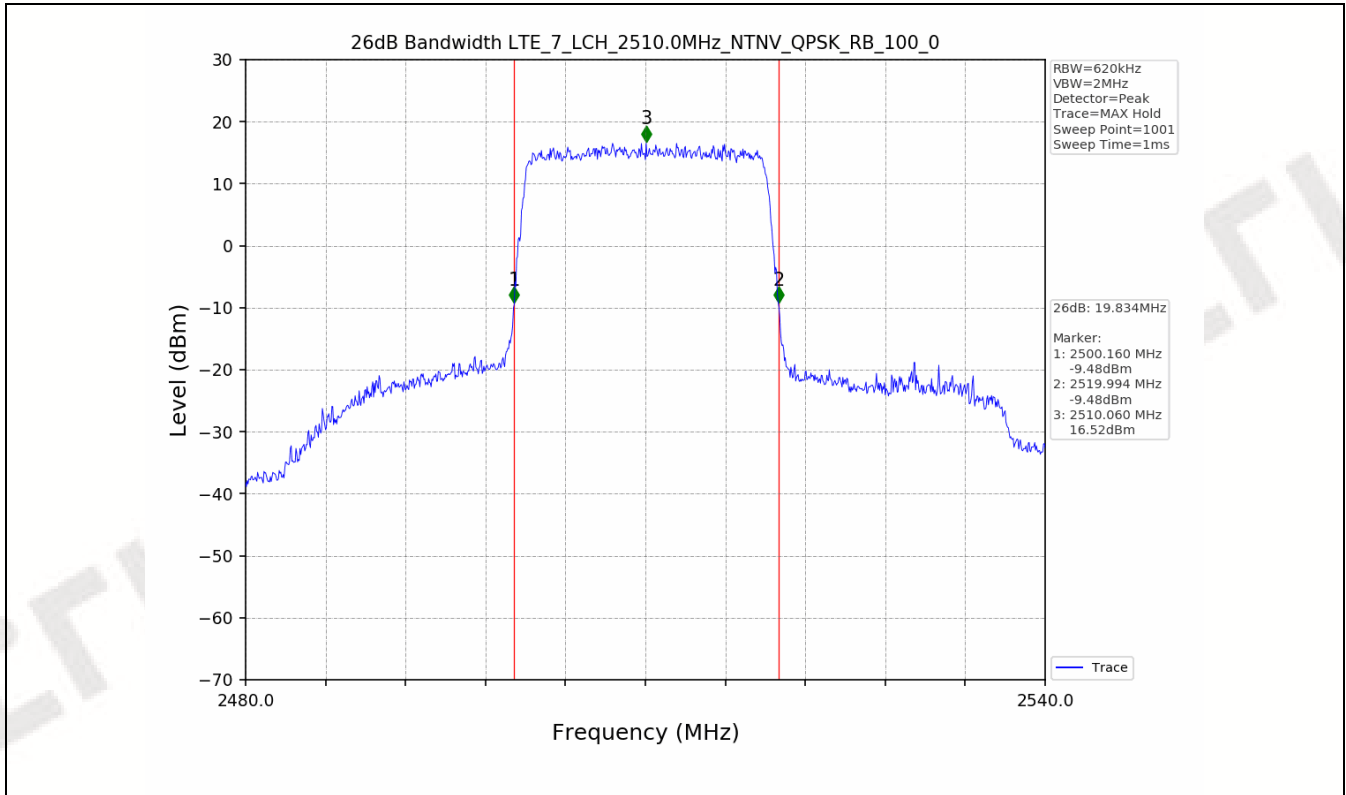


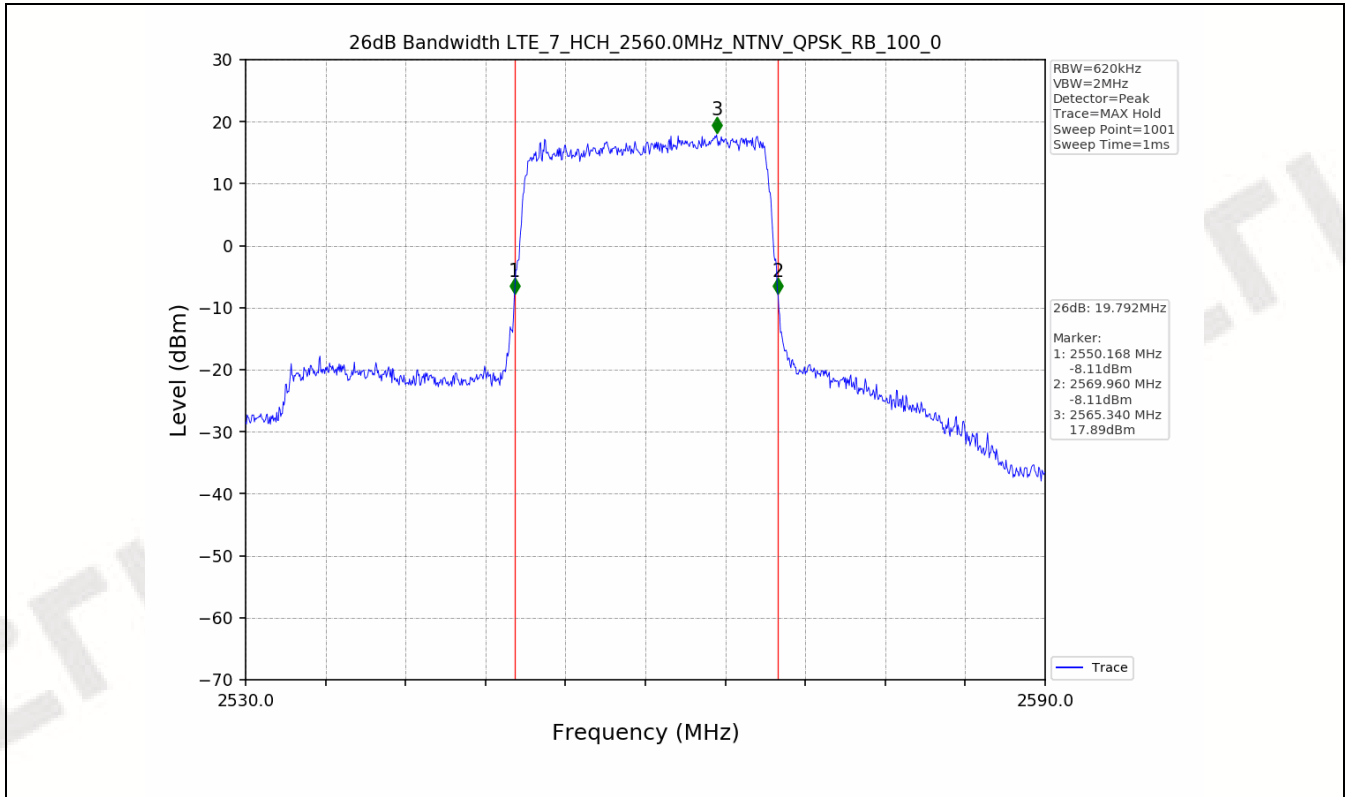
Test Band: 7 _ 20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.834	19.856	19.792	N/A	PASS
16QAM	100	0	19.839	19.633	19.769	N/A	PASS

### 4.2 Test Graph









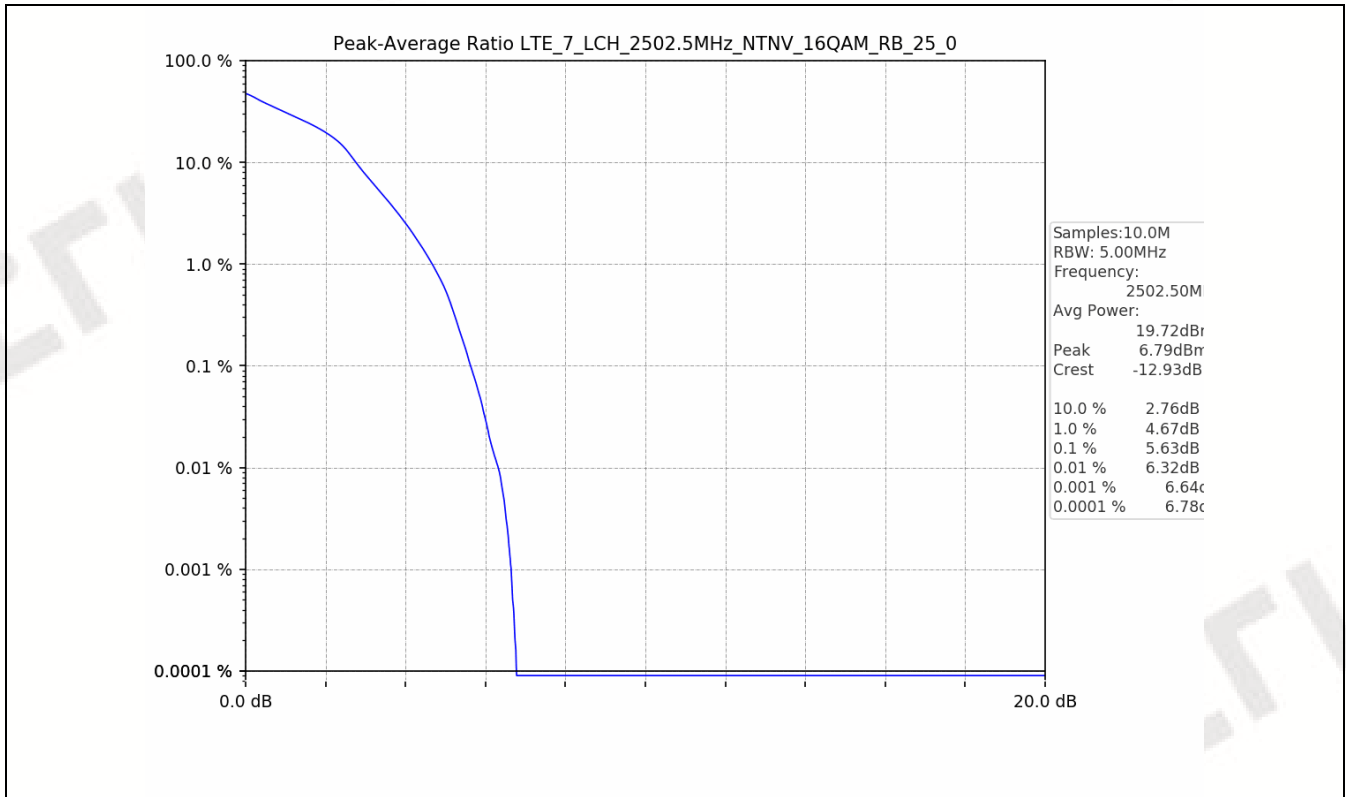


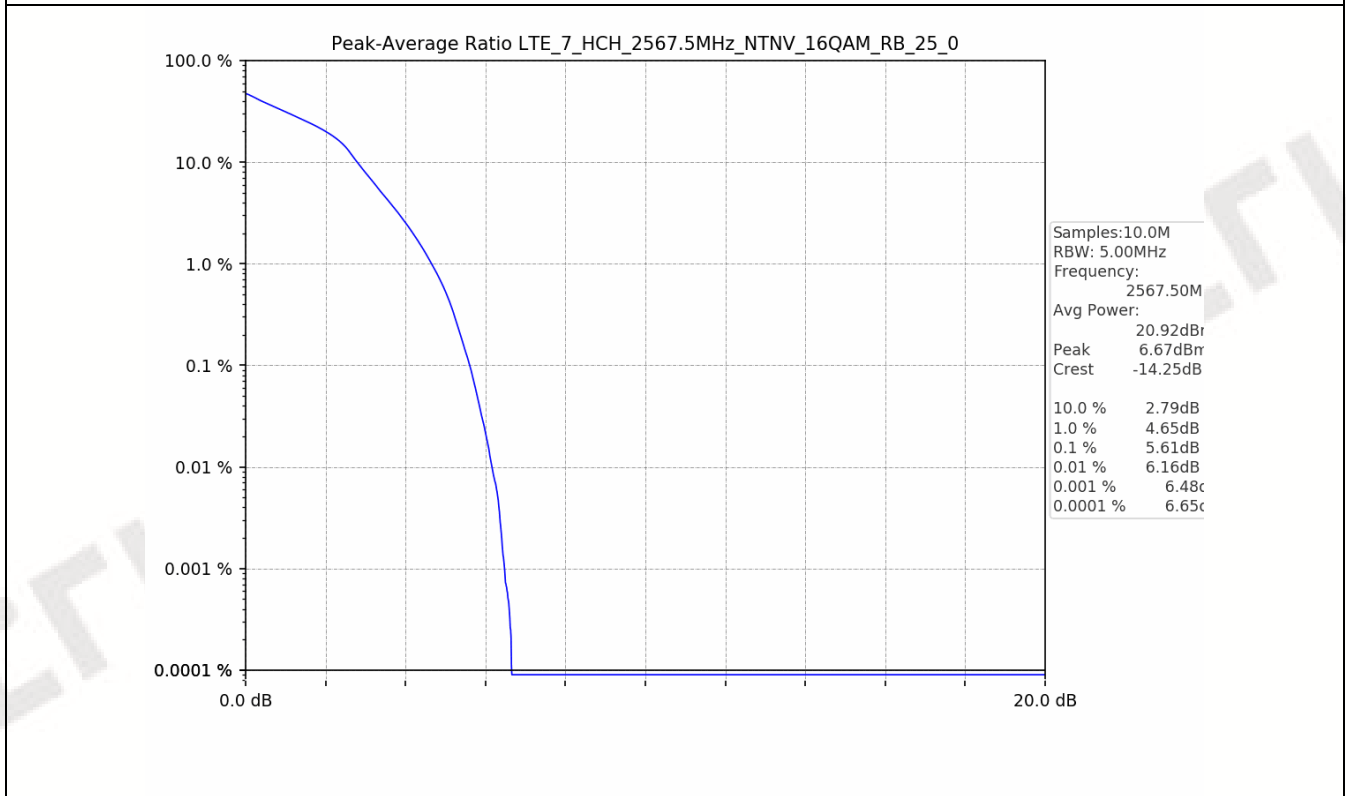
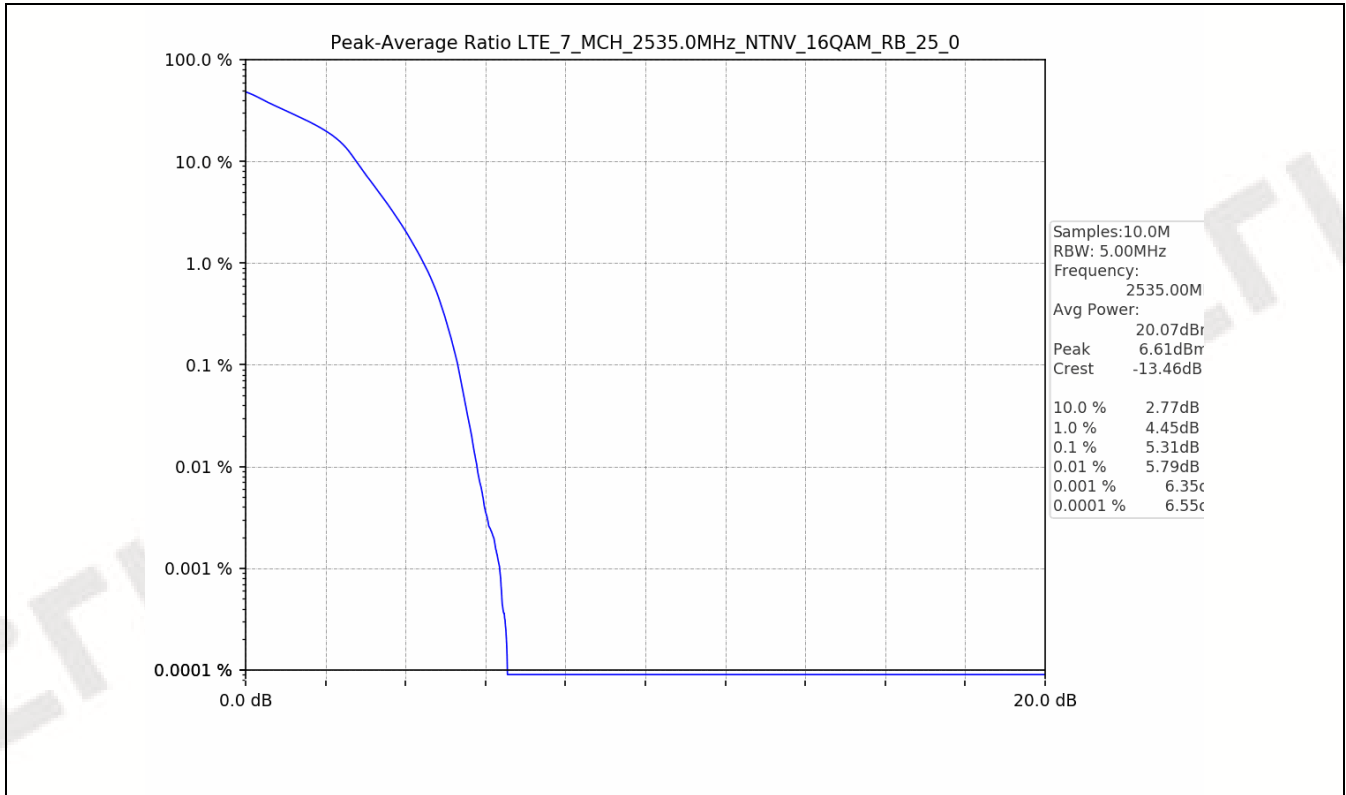
## 5. Peak-Average Ratio

### 5.1 Test Result

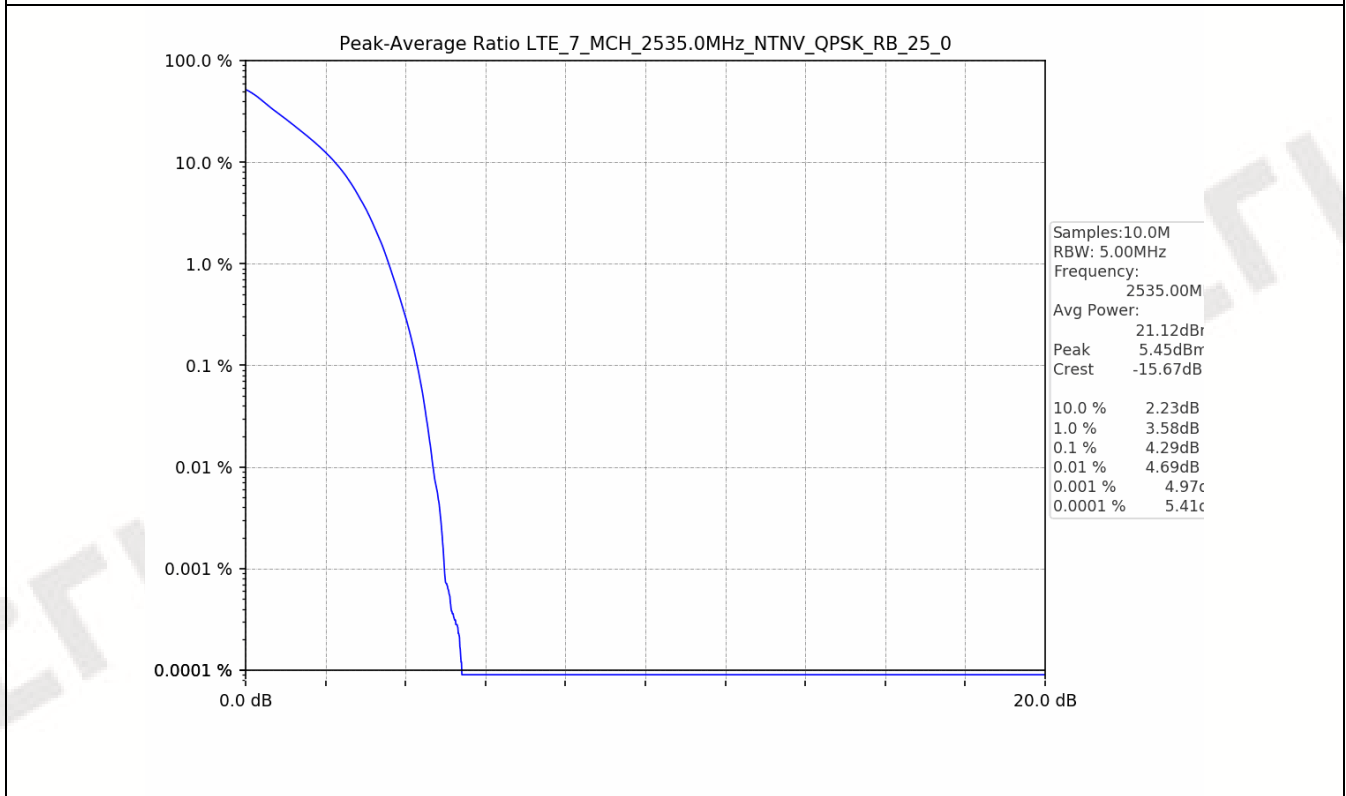
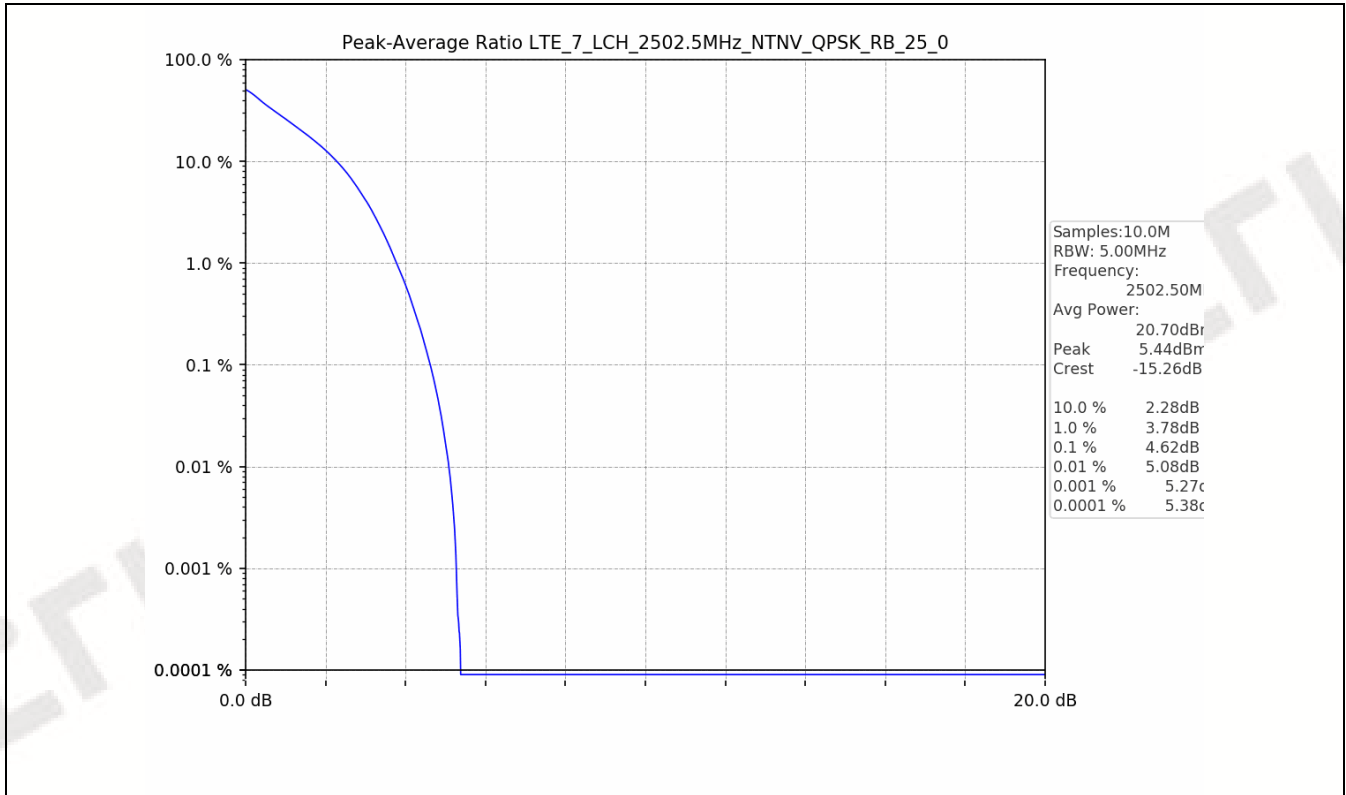
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.62	4.29	4.55	13	PASS
16QAM	25	0	5.63	5.31	5.61	13	PASS

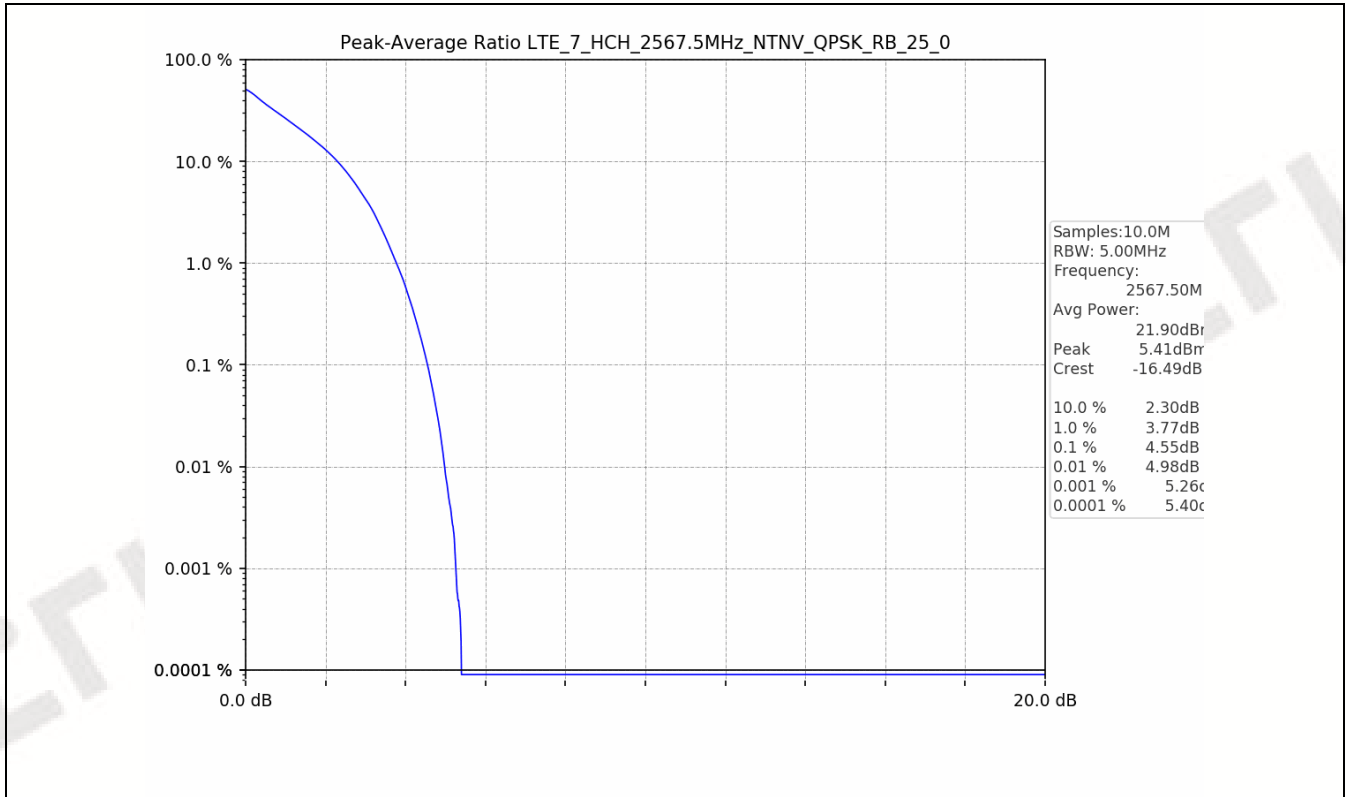
### 5.2 Test Graph







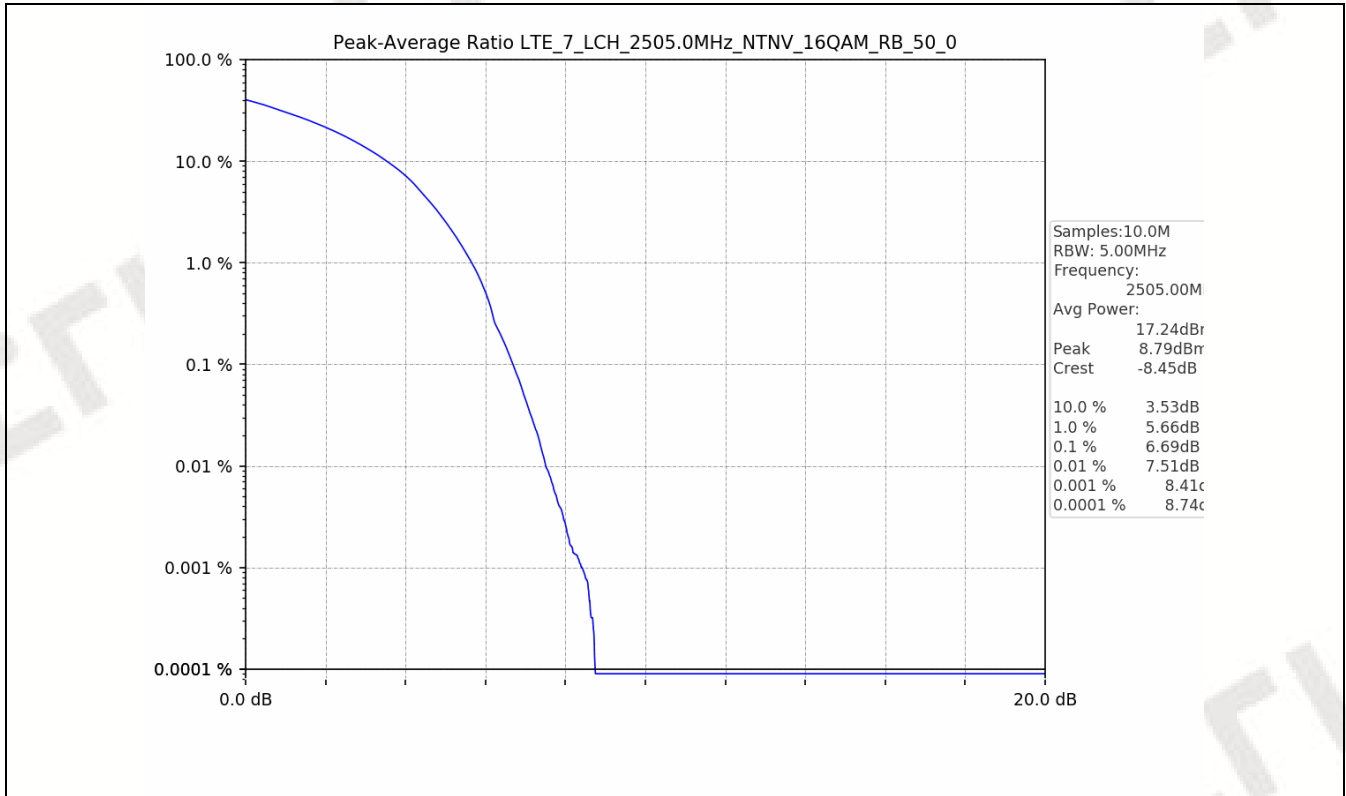


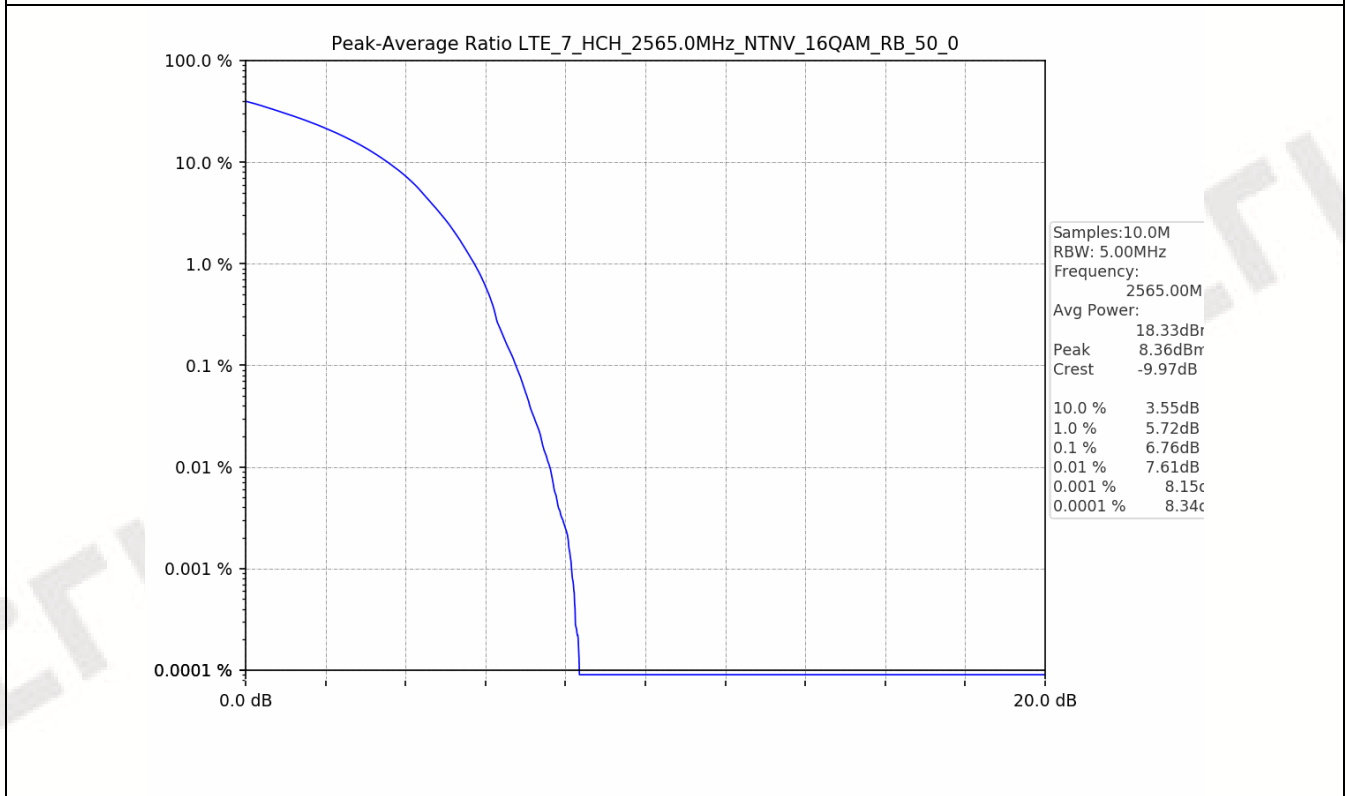
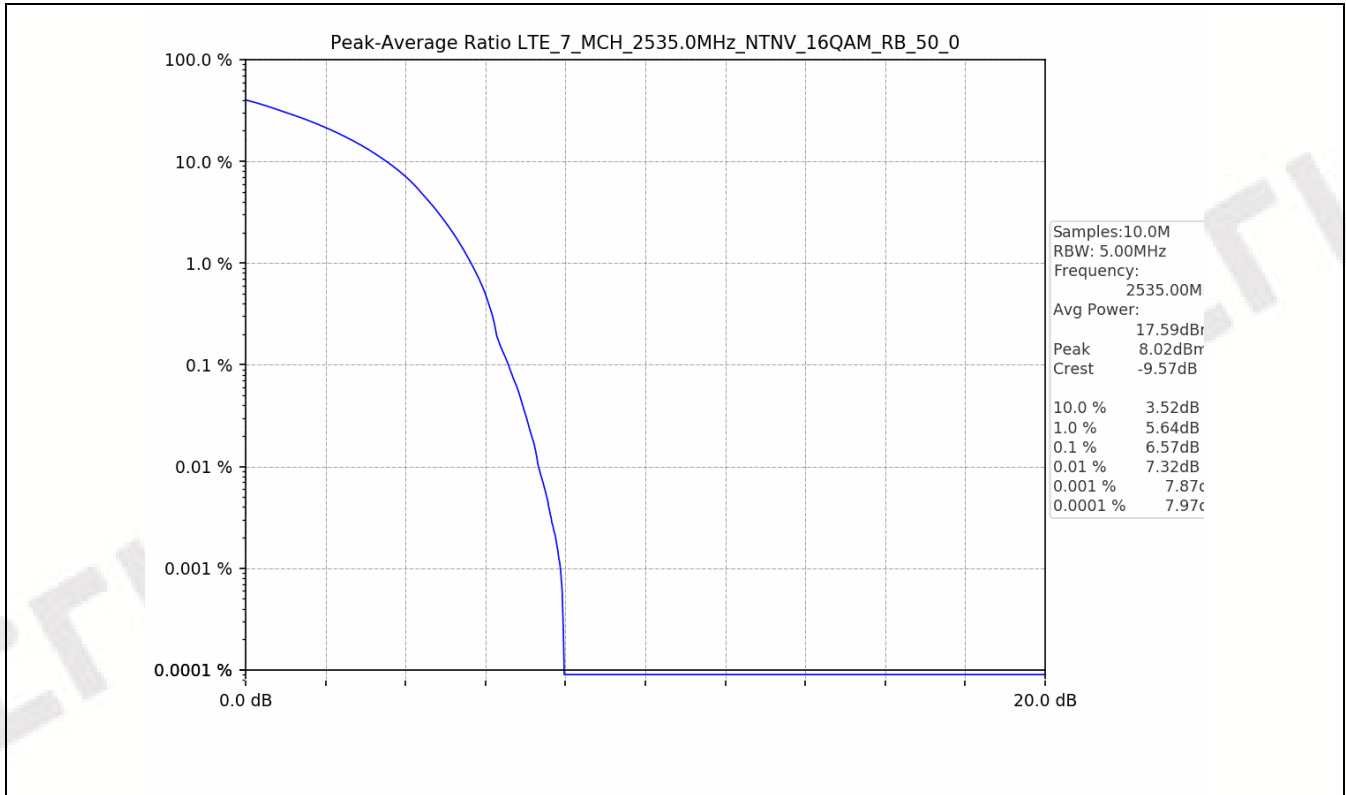


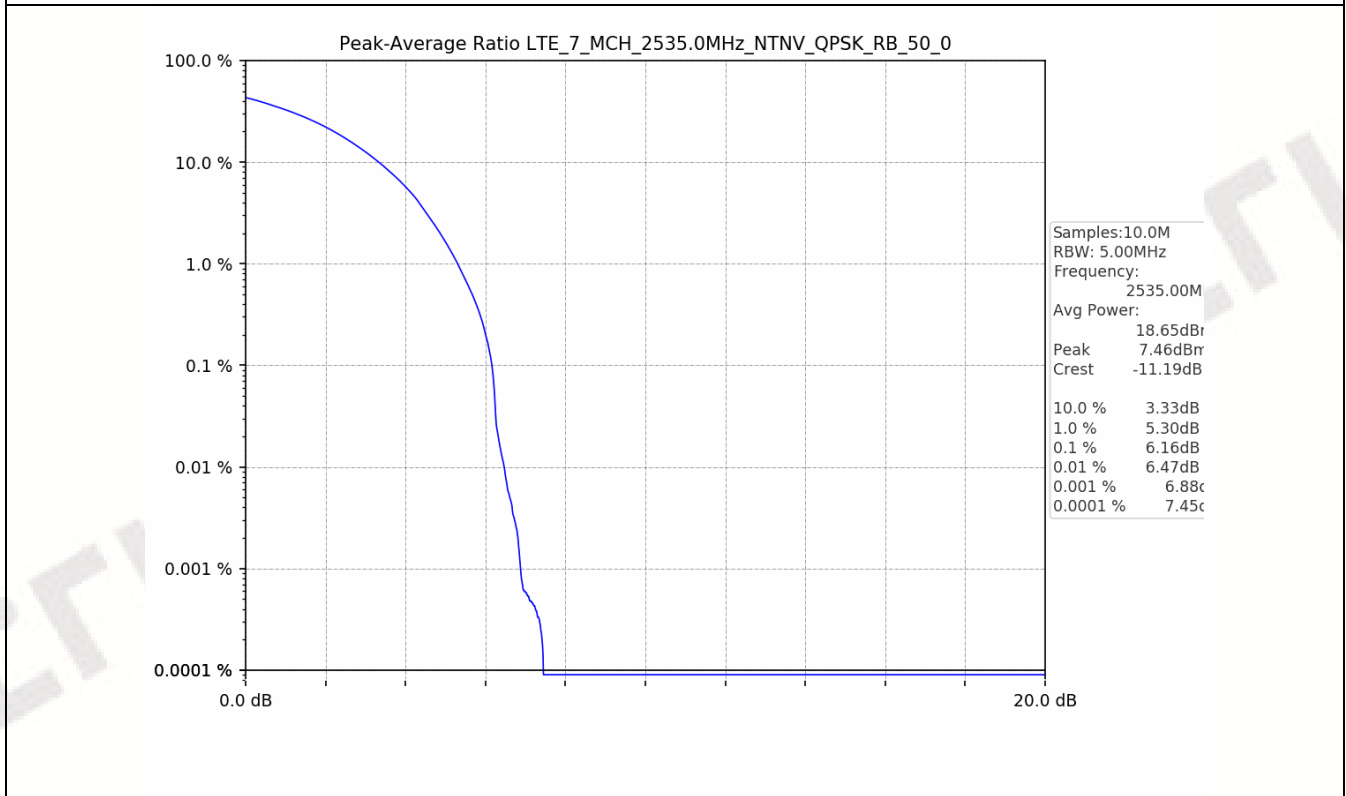
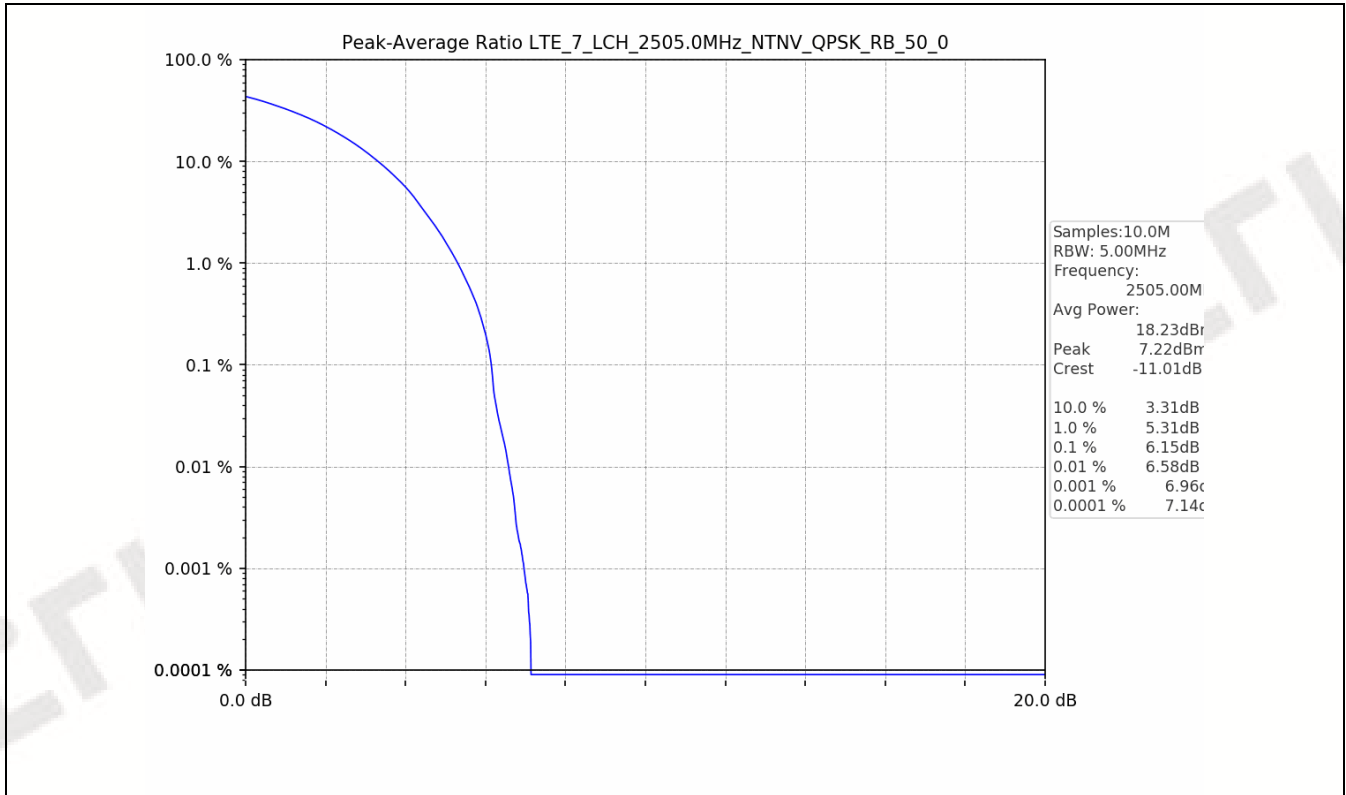


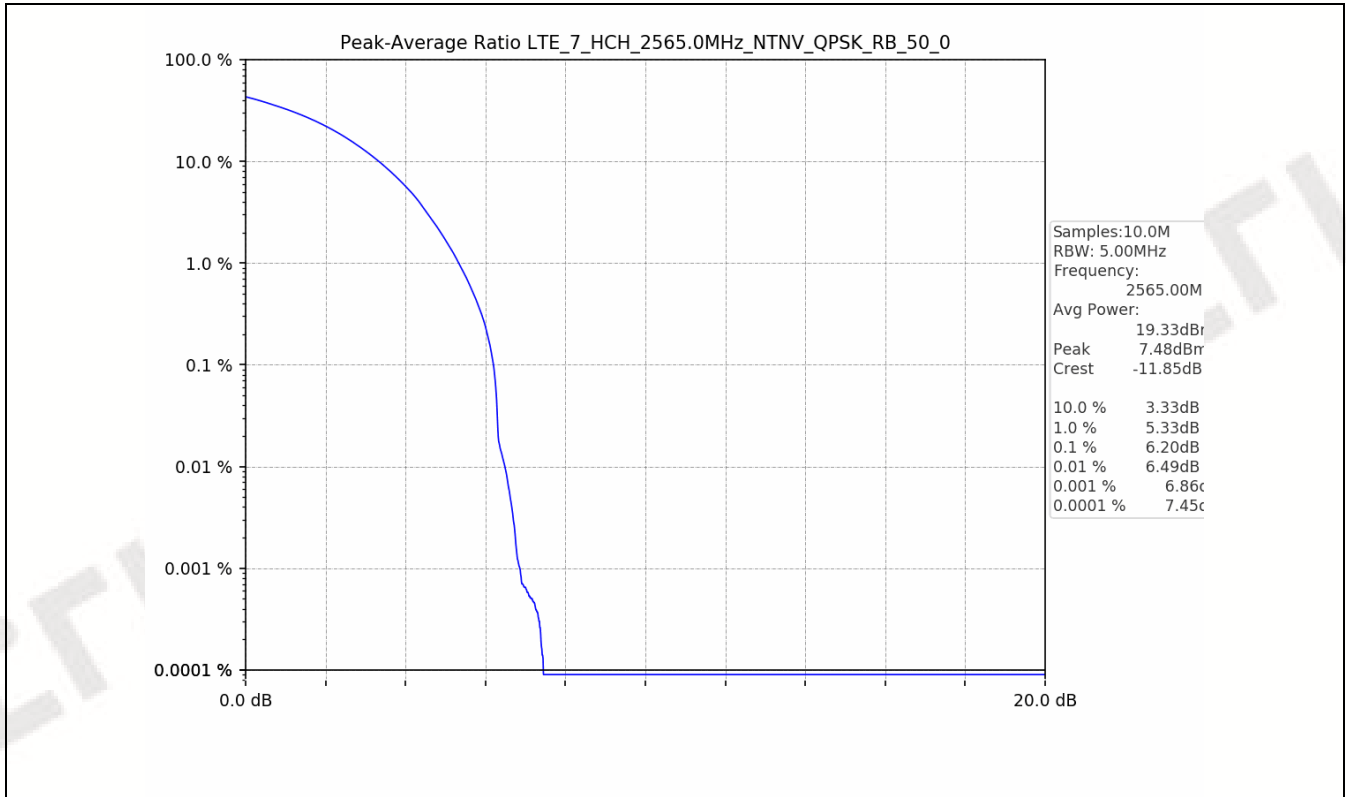
Test Band: 7 _ 10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	6.15	6.16	6.20	13	PASS
16QAM	50	0	6.69	6.57	6.76	13	PASS

### 5.2 Test Graph











Test Band: 7 _ 15MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	6.77	6.76	6.81	13	PASS
16QAM	75	0	7.23	7.19	7.25	13	PASS

### 5.2 Test Graph

