

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		
16QAM	1	0	21.88	21.27	21.23	-6.84	-4.69	17.19	16.58	16.54	30.00	PASS
		2	21.10	21.33	21.44	-6.84	-4.69	16.41	16.64	16.75	30.00	PASS
		5	21.06	21.28	21.38	-6.84	-4.69	16.37	16.59	16.69	30.00	PASS
	3	0	21.30	21.16	21.53	-6.84	-4.69	16.61	16.47	16.84	30.00	PASS
		2	21.34	21.08	21.59	-6.84	-4.69	16.65	16.39	16.90	30.00	PASS
		3	21.21	20.99	21.47	-6.84	-4.69	16.52	16.30	16.78	30.00	PASS
	6	0	20.09	20.17	20.35	-6.84	-4.69	15.40	15.48	15.66	30.00	PASS
QPSK	1	0	21.86	22.18	22.24	-6.84	-4.69	17.17	17.49	17.55	30.00	PASS
		2	22.16	22.35	22.29	-6.84	-4.69	17.47	17.66	17.60	30.00	PASS
		5	22.16	22.33	22.18	-6.84	-4.69	17.47	17.64	17.49	30.00	PASS
	3	0	22.04	22.55	22.20	-6.84	-4.69	17.35	17.86	17.51	30.00	PASS
		2	22.45	22.49	22.26	-6.84	-4.69	17.76	17.80	17.57	30.00	PASS
		3	22.09	22.50	22.34	-6.84	-4.69	17.40	17.81	17.65	30.00	PASS
	6	0	20.95	21.46	21.20	-6.84	-4.69	16.26	16.77	16.51	30.00	PASS
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		
16QAM	1	0	20.95	21.20	21.24	-6.84	-4.69	16.26	16.51	16.55	30.00	PASS
		7	20.78	21.51	21.23	-6.84	-4.69	16.09	16.82	16.54	30.00	PASS
		14	21.19	21.34	21.44	-6.84	-4.69	16.50	16.65	16.75	30.00	PASS
	8	0	19.85	20.28	19.92	-6.84	-4.69	15.16	15.59	15.23	30.00	PASS
		4	19.89	20.26	20.14	-6.84	-4.69	15.20	15.57	15.45	30.00	PASS
		7	20.11	20.32	20.23	-6.84	-4.69	15.42	15.63	15.54	30.00	PASS
	15	0	19.79	20.39	20.11	-6.84	-4.69	15.10	15.70	15.42	30.00	PASS
QPSK	1	0	21.92	22.31	22.17	-6.84	-4.69	17.23	17.62	17.48	30.00	PASS
		7	22.17	22.35	22.27	-6.84	-4.69	17.48	17.66	17.58	30.00	PASS
		14	22.14	22.24	22.35	-6.84	-4.69	17.45	17.55	17.66	30.00	PASS
	8	0	20.81	21.29	20.83	-6.84	-4.69	16.12	16.60	16.14	30.00	PASS
		4	20.93	21.26	20.95	-6.84	-4.69	16.24	16.57	16.26	30.00	PASS
		7	20.98	21.16	21.12	-6.84	-4.69	16.29	16.47	16.43	30.00	PASS
	15	0	20.90	21.23	21.09	-6.84	-4.69	16.21	16.54	16.40	30.00	PASS
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		
16QAM	1	0	20.47	21.13	20.51	-6.84	-4.69	15.78	16.44	15.82	30.00	PASS
		13	20.17	20.91	20.71	-6.84	-4.69	15.48	16.22	16.02	30.00	PASS
		24	20.76	20.76	20.92	-6.84	-4.69	16.07	16.07	16.23	30.00	PASS
	12	0	20.03	20.13	20.06	-6.84	-4.69	15.34	15.44	15.37	30.00	PASS
		6	19.99	20.11	20.05	-6.84	-4.69	15.30	15.42	15.36	30.00	PASS
		13	20.10	20.09	20.36	-6.84	-4.69	15.41	15.40	15.67	30.00	PASS
	25	0	19.91	20.36	20.25	-6.84	-4.69	15.22	15.67	15.56	30.00	PASS
QPSK	1	0	21.78	22.09	22.03	-6.84	-4.69	17.09	17.40	17.34	30.00	PASS
		13	21.82	21.88	21.98	-6.84	-4.69	17.13	17.19	17.29	30.00	PASS
		24	21.77	21.88	22.27	-6.84	-4.69	17.08	17.19	17.58	30.00	PASS
	12	0	20.77	21.10	21.00	-6.84	-4.69	16.08	16.41	16.31	30.00	PASS

		6	20.83	21.09	20.91	-6.84	-4.69	16.14	16.40	16.22	30.00	PASS
		13	20.93	21.16	21.29	-6.84	-4.69	16.24	16.47	16.60	30.00	PASS
	25	0	20.83	21.14	21.11	-6.84	-4.69	16.14	16.45	16.42	30.00	PASS
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	20.52	21.31	21.62	-6.84	-4.69	15.83	16.62	16.93	30.00	PASS
		25	21.05	21.11	21.91	-6.84	-4.69	16.36	16.42	17.22	30.00	PASS
		49	21.67	20.73	21.99	-6.84	-4.69	16.98	16.04	17.30	30.00	PASS
	25	0	19.90	20.25	20.65	-6.84	-4.69	15.21	15.56	15.96	30.00	PASS
		13	20.27	20.05	20.64	-6.84	-4.69	15.58	15.36	15.95	30.00	PASS
		25	20.39	19.99	20.83	-6.84	-4.69	15.70	15.30	16.14	30.00	PASS
	50	0	20.09	20.20	20.64	-6.84	-4.69	15.40	15.51	15.95	30.00	PASS
16QAM	12	0	18.99	20.55	20.42	-6.84	-4.69	14.30	15.86	15.73	30.00	PASS
		6	20.74	20.30	21.08	-6.84	-4.69	16.05	15.61	16.39	30.00	PASS
		13	20.80	20.09	20.51	-6.84	-4.69	16.11	15.40	15.82	30.00	PASS
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	20.43	21.20	18.78	-6.84	-4.69	15.74	16.51	14.09	30.00	PASS
		38	21.30	20.80	20.90	-6.84	-4.69	16.61	16.11	16.21	30.00	PASS
		74	21.37	20.72	21.14	-6.84	-4.69	16.68	16.03	16.45	30.00	PASS
	36	0	19.80	20.02	19.94	-6.84	-4.69	15.11	15.33	15.25	30.00	PASS
		18	20.24	19.75	20.03	-6.84	-4.69	15.55	15.06	15.34	30.00	PASS
		39	20.45	19.78	20.29	-6.84	-4.69	15.76	15.09	15.60	30.00	PASS
	75	0	20.13	19.93	19.98	-6.84	-4.69	15.44	15.24	15.29	30.00	PASS
16QAM	16	0	19.22	20.50	20.31	-6.84	-4.69	14.53	15.81	15.62	30.00	PASS
		8	20.46	19.94	20.62	-6.84	-4.69	15.77	15.25	15.93	30.00	PASS
		15	20.79	20.08	20.84	-6.84	-4.69	16.10	15.39	16.15	30.00	PASS
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	21.84	21.32	21.03	-6.84	-4.69	17.15	16.63	16.34	30.00	PASS
		50	21.49	20.95	21.65	-6.84	-4.69	16.80	16.26	16.96	30.00	PASS
		99	21.18	21.16	21.98	-6.84	-4.69	16.49	16.47	17.29	30.00	PASS
	50	0	20.13	20.37	20.36	-6.84	-4.69	15.44	15.68	15.67	30.00	PASS
		25	20.52	20.14	20.35	-6.84	-4.69	15.83	15.45	15.66	30.00	PASS
		50	20.65	20.13	20.77	-6.84	-4.69	15.96	15.44	16.08	30.00	PASS
	100	0	20.35	20.25	20.30	-6.84	-4.69	15.66	15.56	15.61	30.00	PASS
16QAM	18	0	19.12	20.51	19.89	-6.84	-4.69	14.43	15.82	15.20	30.00	PASS
		9	20.81	20.28	20.53	-6.84	-4.69	16.12	15.59	15.84	30.00	PASS
		17	20.36	20.31	20.79	-6.84	-4.69	15.67	15.62	16.10	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 Tem.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
16QAM	6	0	NT	LV	2.0000	1.0000	-2.0000	0.0017	0.0007	-0.0013	2.50	PASS
				NV	2.0000	1.0000	-2.0000	0.0013	0.0009	-0.0012	2.50	PASS
				HV	2.0000	1.0000	-2.0000	0.0015	0.0008	-0.0015	2.50	PASS
QPSK	6	0	NT	LV	1.0000	0.0000	-3.0000	0.0009	-0.0001	-0.0017	2.50	PASS
				NV	2.0000	0.0000	-2.0000	0.0013	0.0003	-0.0014	2.50	PASS
				HV	1.0000	0.0000	-2.0000	0.0011	0.0003	-0.0015	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		
16QAM	6	0	NV	-30.00	2.0000	1.0000	-1.0000	0.0014	0.0008	-0.0008	2.50	PASS
				-20.00	2.0000	0.0000	-2.0000	0.0014	0.0004	-0.0011	2.50	PASS
				-10.00	3.0000	0.0000	-1.0000	0.0019	0.0003	-0.0010	2.50	PASS
				0.00	3.0000	0.0000	-3.0000	0.0019	0.0000	-0.0018	2.50	PASS
				10.00	2.0000	1.0000	-2.0000	0.0013	0.0006	-0.0014	2.50	PASS
				20.00	2.0000	1.0000	-3.0000	0.0013	0.0006	-0.0019	2.50	PASS
				30.00	3.0000	0.0000	-2.0000	0.0020	0.0005	-0.0015	2.50	PASS
				40.00	2.0000	0.0000	-3.0000	0.0014	0.0003	-0.0020	2.50	PASS
				50.00	2.0000	1.0000	-2.0000	0.0015	0.0010	-0.0012	2.50	PASS
QPSK	6	0	NV	-30.00	3.0000	1.0000	-3.0000	0.0022	0.0006	-0.0020	2.50	PASS
				-20.00	2.0000	0.0000	-3.0000	0.0014	0.0001	-0.0020	2.50	PASS
				-10.00	2.0000	0.0000	-2.0000	0.0015	0.0002	-0.0016	2.50	PASS
				0.00	2.0000	0.0000	-3.0000	0.0017	-0.0001	-0.0023	2.50	PASS
				10.00	2.0000	0.0000	-3.0000	0.0013	0.0003	-0.0019	2.50	PASS
				20.00	2.0000	1.0000	-4.0000	0.0017	0.0006	-0.0023	2.50	PASS
				30.00	2.0000	0.0000	-3.0000	0.0014	0.0004	-0.0018	2.50	PASS
				40.00	3.0000	0.0000	-2.0000	0.0021	0.0003	-0.0016	2.50	PASS
				50.00	2.0000	0.0000	-2.0000	0.0013	0.0003	-0.0017	2.50	PASS
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		
16QAM	15	0	NT	LV	1.0000	-2.0000	0.0000	0.0011	-0.0013	0.0000	2.50	PASS
				NV	0.0000	0.0000	1.0000	0.0005	-0.0005	0.0006	2.50	PASS
				HV	2.0000	0.0000	0.0000	0.0012	-0.0005	0.0003	2.50	PASS
QPSK	15	0	NT	LV	0.0000	0.0000	0.0000	0.0005	-0.0003	0.0000	2.50	PASS
				NV	1.0000	0.0000	-1.0000	0.0008	0.0000	-0.0007	2.50	PASS
				HV	1.0000	0.0000	-1.0000	0.0009	0.0005	-0.0006	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		
16QAM	15	0	NV	-30.00	1.0000	0.0000	1.0000	0.0008	-0.0004	0.0007	2.50	PASS
				-20.00	1.0000	0.0000	0.0000	0.0008	-0.0004	0.0003	2.50	PASS
				-10.00	1.0000	0.0000	0.0000	0.0006	-0.0001	0.0004	2.50	PASS
				0.00	1.0000	0.0000	0.0000	0.0009	-0.0004	0.0002	2.50	PASS

				10.00	1.0000	0.0000	0.0000	0.0010	-0.0003	0.0003	2.50	PASS		
				20.00	2.0000	0.0000	0.0000	0.0012	-0.0005	0.0003	2.50	PASS		
				30.00	2.0000	0.0000	1.0000	0.0012	-0.0001	0.0006	2.50	PASS		
				40.00	2.0000	-1.0000	1.0000	0.0012	-0.0008	0.0007	2.50	PASS		
				50.00	0.0000	-1.0000	0.0000	0.0004	-0.0009	0.0003	2.50	PASS		
QPSK	15	0	NV	-30.00	0.0000	0.0000	-1.0000	0.0003	-0.0006	-0.0009	2.50	PASS		
				-20.00	0.0000	-1.0000	0.0000	0.0002	-0.0008	-0.0002	2.50	PASS		
				-10.00	0.0000	0.0000	0.0000	-	-0.0003	-0.0004	2.50	PASS		
				0.00	0.0000	1.0000	0.0000	0.0000	0.0008	-0.0001	2.50	PASS		
				10.00	0.0000	0.0000	-1.0000	0.0002	-0.0001	-0.0011	2.50	PASS		
				20.00	0.0000	0.0000	0.0000	0.0005	-0.0005	-0.0002	2.50	PASS		
				30.00	0.0000	0.0000	-1.0000	0.0003	0.0002	-0.0010	2.50	PASS		
				40.00	0.0000	0.0000	-1.0000	0.0003	-0.0005	-0.0008	2.50	PASS		
				50.00	0.0000	0.0000	-2.0000	0.0003	-0.0005	-0.0012	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				
16QAM	25	0	NT	LV	1.0000	1.0000	-1.0000	0.0007	0.0010	-0.0009	2.50	PASS		
				NV	1.0000	1.0000	-2.0000	0.0006	0.0008	-0.0016	2.50	PASS		
				HV	0.0000	0.0000	-2.0000	0.0006	0.0002	-0.0016	2.50	PASS		
QPSK	25	0	NT	LV	1.0000	0.0000	-3.0000	0.0009	0.0000	-0.0019	2.50	PASS		
				NV	2.0000	-1.0000	-2.0000	0.0014	-0.0009	-0.0012	2.50	PASS		
				HV	1.0000	1.0000	-1.0000	0.0009	0.0008	-0.0011	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				
16QAM	25	0	NV	-30.00	0.0000	0.0000	-3.0000	0.0004	0.0001	-0.0019	2.50	PASS		
				-20.00	1.0000	-1.0000	-2.0000	0.0007	-0.0006	-0.0013	2.50	PASS		
				-10.00	0.0000	0.0000	-3.0000	0.0006	-0.0005	-0.0018	2.50	PASS		
				0.00	0.0000	0.0000	-2.0000	0.0004	0.0000	-0.0012	2.50	PASS		
				10.00	1.0000	0.0000	-2.0000	0.0006	0.0000	-0.0015	2.50	PASS		
				20.00	0.0000	0.0000	-3.0000	0.0005	-0.0002	-0.0017	2.50	PASS		
				30.00	0.0000	-1.0000	-1.0000	0.0006	-0.0008	-0.0010	2.50	PASS		
				40.00	1.0000	0.0000	-3.0000	0.0009	0.0004	-0.0021	2.50	PASS		
				50.00	0.0000	0.0000	-3.0000	0.0006	-0.0002	-0.0021	2.50	PASS		
QPSK	25	0	NV	-30.00	1.0000	0.0000	-3.0000	0.0010	0.0005	-0.0021	2.50	PASS		
				-20.00	0.0000	1.0000	-2.0000	0.0005	0.0006	-0.0012	2.50	PASS		
				-10.00	2.0000	1.0000	-3.0000	0.0012	0.0008	-0.0019	2.50	PASS		
				0.00	1.0000	0.0000	-2.0000	0.0010	0.0001	-0.0014	2.50	PASS		
				10.00	1.0000	1.0000	-2.0000	0.0009	0.0006	-0.0013	2.50	PASS		
				20.00	1.0000	0.0000	-3.0000	0.0010	0.0003	-0.0018	2.50	PASS		
				30.00	2.0000	0.0000	-4.0000	0.0016	-0.0001	-0.0024	2.50	PASS		
				40.00	2.0000	0.0000	-3.0000	0.0015	-0.0003	-0.0018	2.50	PASS		
				50.00	1.0000	0.0000	-2.0000	0.0008	-0.0004	-0.0015	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				
16QAM	12	0	NT	LV	-	2.0000	0.0000	3.0000	-	0.0013	0.0005	0.0020	2.50	PASS
				NV	-	2.0000	0.0000	4.0000	-	0.0016	0.0006	0.0024	2.50	PASS
				HV	-	2.0000	0.0000	2.0000	-	0.0014	0.0004	0.0017	2.50	PASS

QPSK	50	0	NT	LV	- 3.0000	0.0000	1.0000	- 0.0020	0.0002	0.0009	2.50	PASS
				NV	- 3.0000	0.0000	1.0000	- 0.0018	-0.0004	0.0008	2.50	PASS
				HV	- 2.0000	0.0000	1.0000	- 0.0013	-0.0001	0.0006	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		
16QAM	12	0	NV	-30.00	- 2.0000	0.0000	3.0000	- 0.0013	0.0004	0.0019	2.50	PASS
				-20.00	- 2.0000	0.0000	3.0000	- 0.0012	0.0001	0.0019	2.50	PASS
				-10.00	- 2.0000	0.0000	3.0000	- 0.0015	0.0005	0.0018	2.50	PASS
				0.00	- 3.0000	0.0000	3.0000	- 0.0018	0.0003	0.0021	2.50	PASS
				10.00	- 2.0000	1.0000	3.0000	- 0.0013	0.0006	0.0020	2.50	PASS
				20.00	- 1.0000	0.0000	3.0000	- 0.0008	0.0002	0.0023	2.50	PASS
				30.00	- 1.0000	0.0000	3.0000	- 0.0012	0.0005	0.0020	2.50	PASS
				40.00	- 2.0000	0.0000	3.0000	- 0.0014	0.0003	0.0020	2.50	PASS
				50.00	- 1.0000	1.0000	3.0000	- 0.0011	0.0009	0.0023	2.50	PASS
QPSK	50	0	NV	-30.00	- 4.0000	0.0000	2.0000	- 0.0026	-0.0003	0.0016	2.50	PASS
				-20.00	- 3.0000	0.0000	1.0000	- 0.0021	-0.0001	0.0007	2.50	PASS
				-10.00	- 3.0000	0.0000	1.0000	- 0.0019	0.0001	0.0011	2.50	PASS
				0.00	- 4.0000	0.0000	2.0000	- 0.0025	0.0001	0.0016	2.50	PASS
				10.00	- 2.0000	0.0000	2.0000	- 0.0014	0.0000	0.0012	2.50	PASS
				20.00	- 2.0000	0.0000	2.0000	- 0.0014	-0.0003	0.0013	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		
16QAM	16	0	NT	LV	0.0000	-1.0000	0.0000	0.0000	-0.0008	0.0001	2.50	PASS
				NV	0.0000	0.0000	0.0000	0.0002	-0.0004	-0.0004	2.50	PASS
				HV	0.0000	0.0000	0.0000	0.0005	0.0001	0.0004	2.50	PASS
QPSK	75	0	NT	LV	3.0000	-1.0000	2.0000	0.0021	-0.0009	0.0015	2.50	PASS
				NV	1.0000	2.0000	0.0000	0.0006	0.0014	-0.0002	2.50	PASS
				HV	4.0000	0.0000	2.0000	0.0023	0.0001	0.0013	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		
16QAM	16	0	NV	-30.00	0.0000	0.0000	0.0000	0.0004	0.0003	0.0004	2.50	PASS
				-20.00	0.0000	0.0000	0.0000	0.0003	0.0003	0.0002	2.50	PASS
				-10.00	1.0000	0.0000	0.0000	0.0008	-0.0001	-0.0001	2.50	PASS

				0.00	0.0000	0.0000	0.0000	0.0001	0.0004	0.0001	2.50	PASS
				10.00	1.0000	0.0000	0.0000	0.0006	0.0005	0.0000	2.50	PASS
				20.00	0.0000	0.0000	0.0000	0.0002	0.0001	0.0004	2.50	PASS
				30.00	1.0000	0.0000	1.0000	0.0007	0.0003	0.0007	2.50	PASS
				40.00	0.0000	0.0000	0.0000	0.0002	0.0000	0.0002	2.50	PASS
				50.00	0.0000	0.0000	0.0000	0.0003	0.0002	0.0001	2.50	PASS
QPSK	75	0	NV	-30.00	4.0000	1.0000	0.0000	0.0025	0.0006	-0.0004	2.50	PASS
				-20.00	5.0000	2.0000	0.0000	0.0032	0.0013	-0.0002	2.50	PASS
				-10.00	0.0000	2.0000	0.0000	0.0000	0.0015	-0.0004	2.50	PASS
				0.00	0.0000	1.0000	3.0000	0.0003	0.0009	0.0018	2.50	PASS
				10.00	0.0000	6.0000	2.0000	0.0002	0.0035	0.0017	2.50	PASS
				20.00	0.0000	0.0000	0.0000	0.0001	0.0006	-0.0001	2.50	PASS
				30.00	1.0000	0.0000	0.0000	0.0009	0.0003	-0.0001	2.50	PASS
				40.00	0.0000	0.0000	0.0000	0.0004	0.0005	0.0002	2.50	PASS
				50.00	0.0000	0.0000	1.0000	0.0005	0.0001	0.0006	2.50	PASS
Test Band: 4 _ 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp. p.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
16QAM	18	0	NT	LV	3.0000	1.0000	-2.0000	0.0021	0.0009	-0.0013	2.50	PASS
				NV	3.0000	2.0000	-2.0000	0.0023	0.0013	-0.0014	2.50	PASS
				HV	4.0000	0.0000	-2.0000	0.0028	0.0005	-0.0015	2.50	PASS
QPSK	100	0	NT	LV	0.0000	-1.0000	-3.0000	0.0005	-0.0008	-0.0018	2.50	PASS
				NV	0.0000	-1.0000	-3.0000	0.0006	-0.0008	-0.0021	2.50	PASS
				HV	1.0000	0.0000	-2.0000	0.0007	-0.0003	-0.0017	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		
16QAM	18	0	NV	-30.00	3.0000	0.0000	-2.0000	0.0019	-0.0004	-0.0015	2.50	PASS
				-20.00	1.0000	0.0000	-2.0000	0.0010	-0.0002	-0.0013	2.50	PASS
				-10.00	2.0000	0.0000	-3.0000	0.0014	0.0000	-0.0018	2.50	PASS
				0.00	2.0000	0.0000	-2.0000	0.0016	0.0003	-0.0016	2.50	PASS
				10.00	2.0000	0.0000	-2.0000	0.0013	-0.0002	-0.0014	2.50	PASS
				20.00	1.0000	0.0000	-3.0000	0.0011	0.0005	-0.0019	2.50	PASS
				30.00	1.0000	0.0000	-3.0000	0.0007	0.0005	-0.0018	2.50	PASS
				40.00	1.0000	0.0000	-2.0000	0.0008	0.0001	-0.0012	2.50	PASS
				50.00	1.0000	0.0000	-2.0000	0.0010	-0.0004	-0.0015	2.50	PASS
QPSK	100	0	NV	-30.00	0.0000	0.0000	-2.0000	0.0005	0.0000	-0.0012	2.50	PASS
				-20.00	1.0000	0.0000	-1.0000	0.0010	-0.0001	-0.0007	2.50	PASS
				-10.00	1.0000	0.0000	-2.0000	0.0009	0.0002	-0.0015	2.50	PASS
				0.00	1.0000	0.0000	-2.0000	0.0010	0.0000	-0.0015	2.50	PASS
				10.00	1.0000	0.0000	-2.0000	0.0010	-0.0003	-0.0012	2.50	PASS
				20.00	2.0000	0.0000	-1.0000	0.0014	0.0001	-0.0010	2.50	PASS
				30.00	2.0000	0.0000	-2.0000	0.0015	-0.0001	-0.0017	2.50	PASS
				40.00	1.0000	0.0000	-2.0000	0.0007	0.0004	-0.0012	2.50	PASS
				50.00	1.0000	0.0000	-2.0000	0.0007	0.0002	-0.0014	2.50	PASS

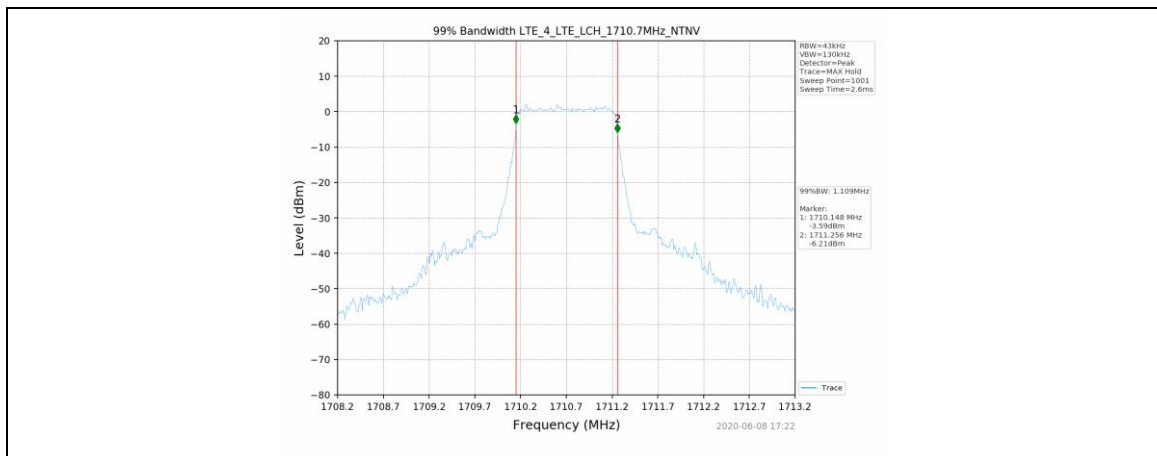
3. 99% & 26dB Bandwidth

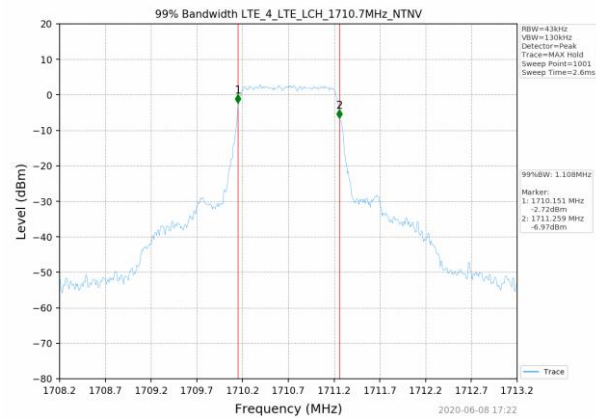
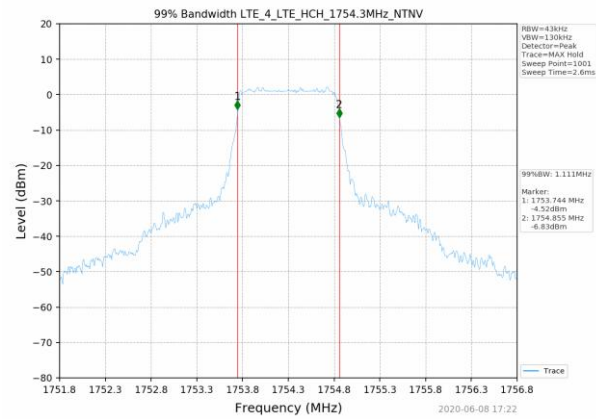
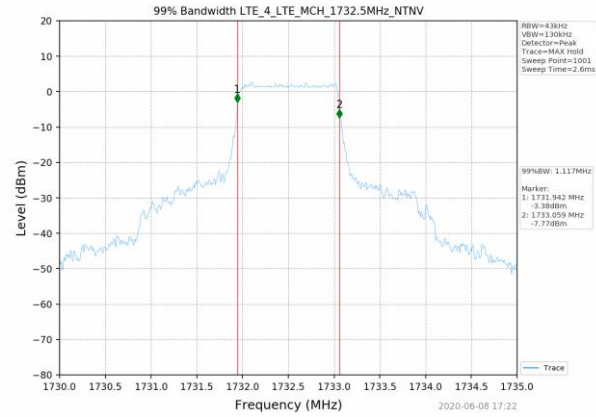
3.1 Test Result

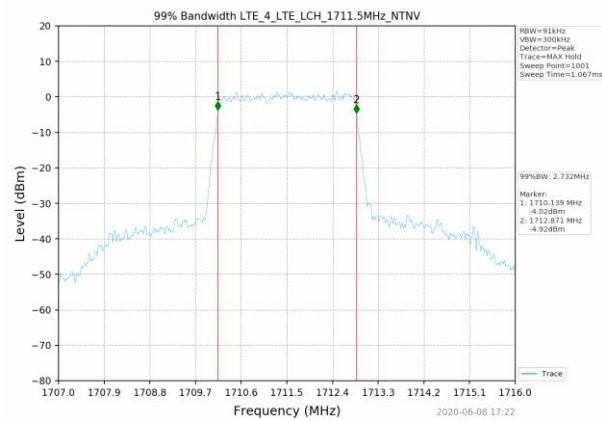
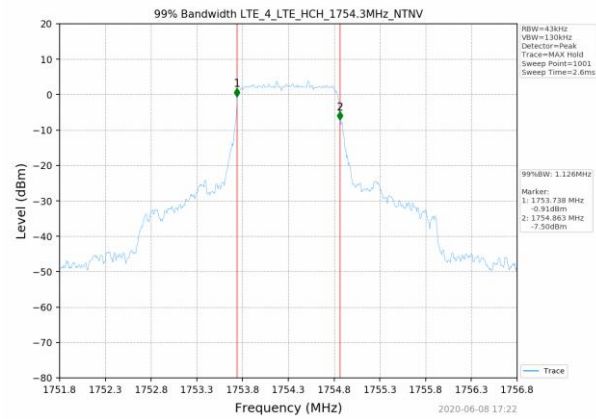
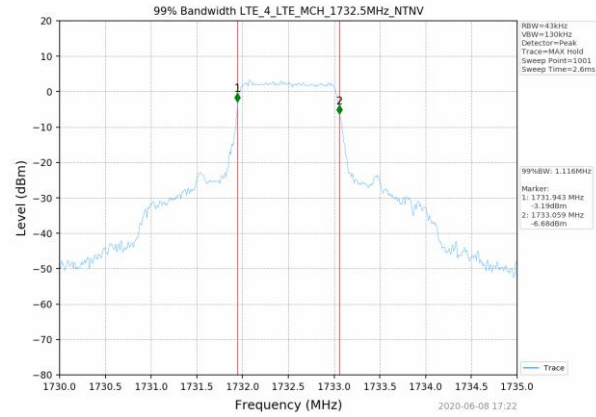
Test Band: 4 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	6	0	1.110	1.120	1.110	N/A	PASS
QPSK	6	0	1.110	1.120	1.130	N/A	PASS
Test Band: 4 _ 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	2.730	2.750	2.730	N/A	PASS
QPSK	15	0	2.740	2.770	2.740	N/A	PASS
Test Band: 4 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	4.550	4.570	4.560	N/A	PASS
QPSK	25	0	4.560	4.580	4.570	N/A	PASS
Test Band: 4 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	12	0	9.050	9.040	9.060	N/A	PASS
QPSK	50	0	9.020	9.170	9.040	N/A	PASS
Test Band: 4 _ 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	16	0	13.500	13.570	13.560	N/A	PASS
QPSK	75	0	13.540	13.800	13.560	N/A	PASS
Test Band: 4 _ 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	18	0	17.960	18.030	18.110	N/A	PASS
QPSK	100	0	18.040	18.110	18.180	N/A	PASS

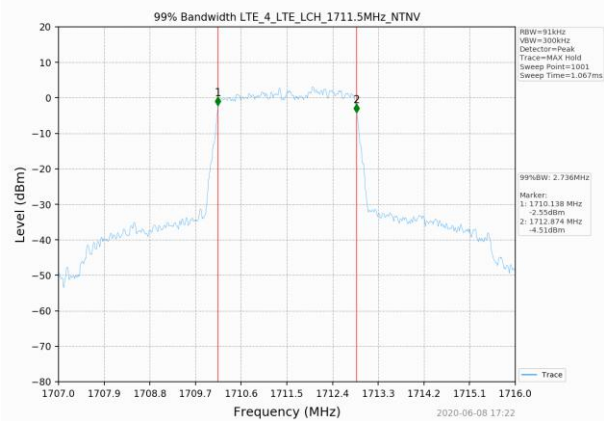
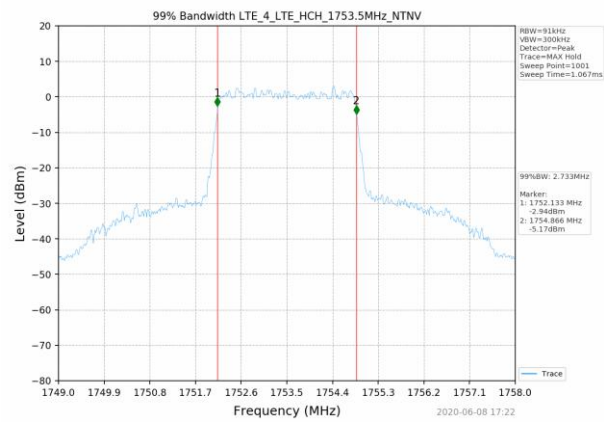
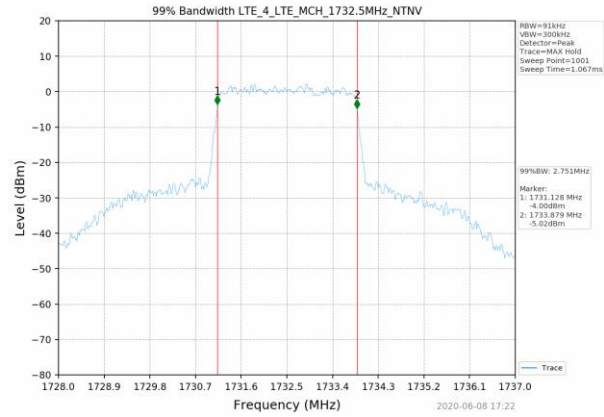
Test Band: 4 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	6	0	1.320	1.460	1.380	N/A	PASS
QPSK	6	0	1.320	1.330	1.360	N/A	PASS
Test Band: 4 _ 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	3.070	3.060	3.080	N/A	PASS
QPSK	15	0	3.070	3.270	3.050	N/A	PASS
Test Band: 4 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	5.030	5.150	5.100	N/A	PASS
QPSK	25	0	5.080	5.720	5.130	N/A	PASS
Test Band: 4 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.000	9.970	10.080	N/A	PASS
16QAM	12	0	9.890	10.000	10.150	N/A	PASS
Test Band: 4 _ 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	14.950	14.980	14.900	N/A	PASS
16QAM	16	0	14.900	14.910	14.930	N/A	PASS
Test Band: 4 _ 20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.690	19.660	19.820	N/A	PASS
16QAM	18	0	19.480	19.900	19.750	N/A	PASS

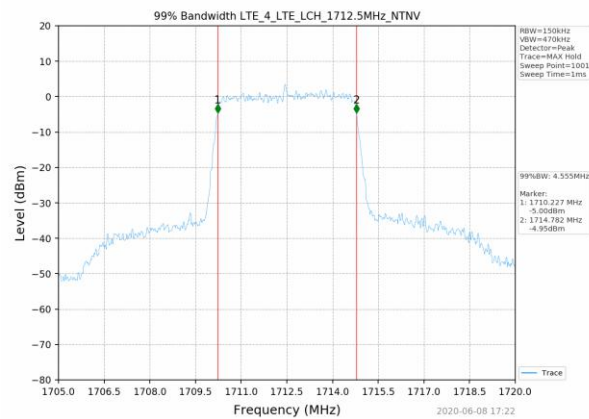
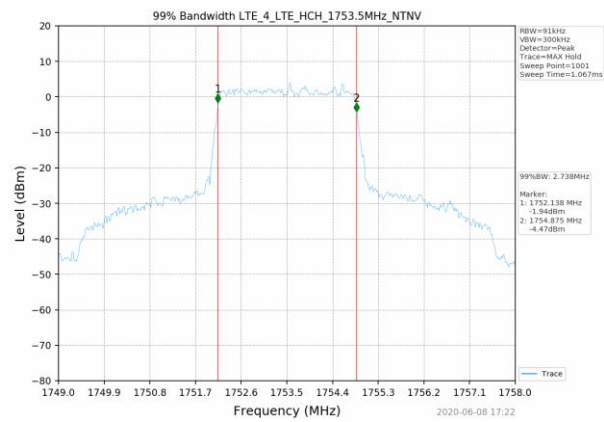
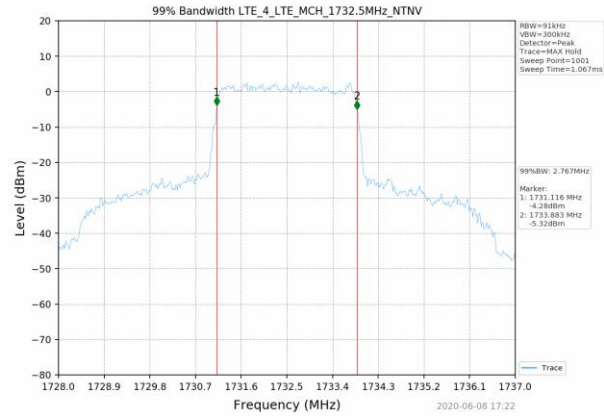
3.2 Test Graph(99% Bandwidth)

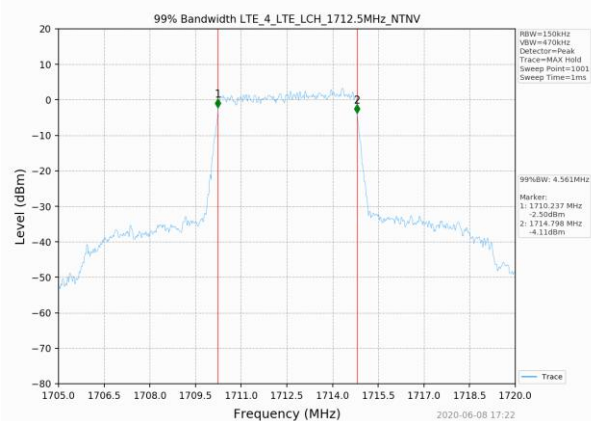
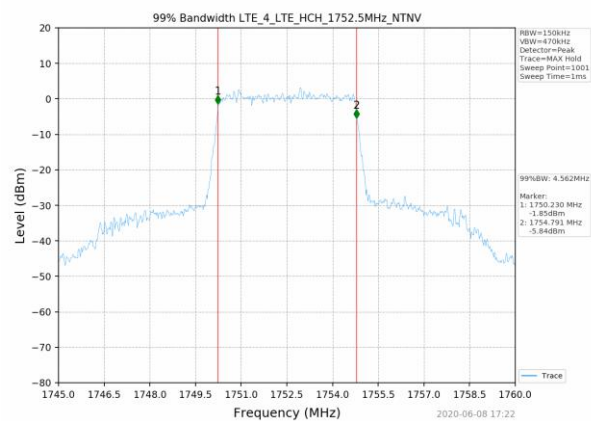
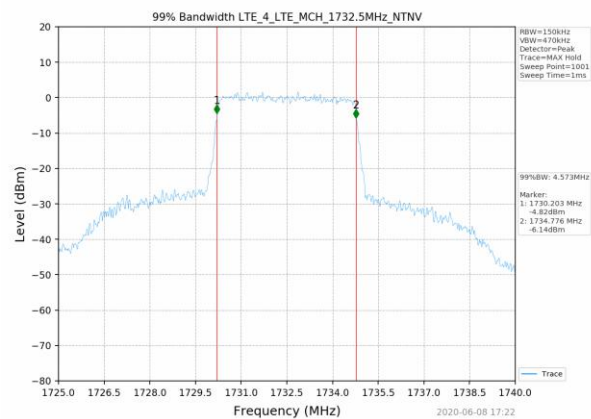


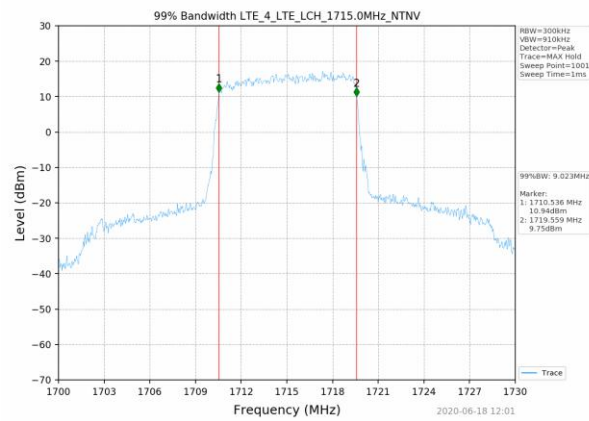
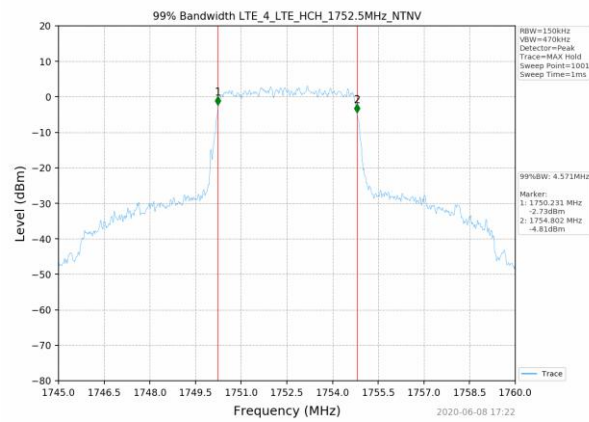
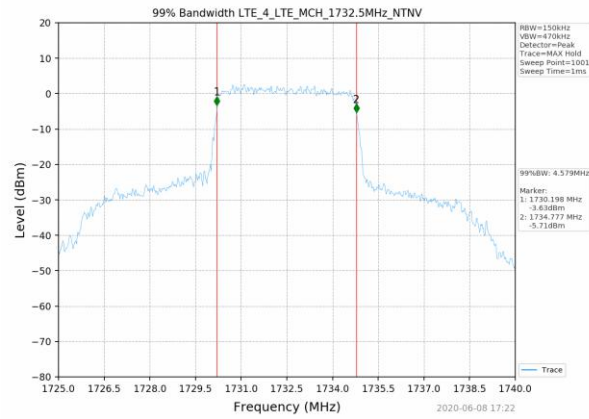


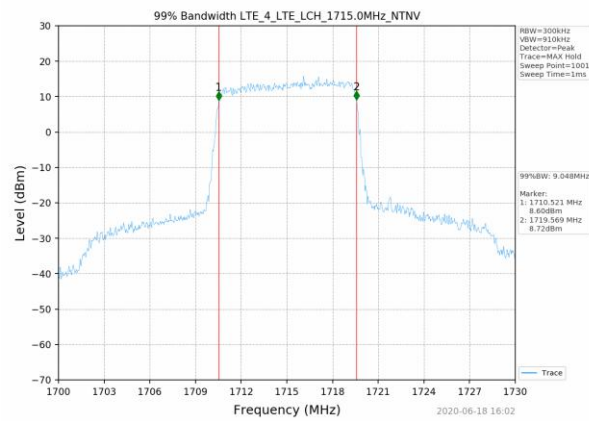
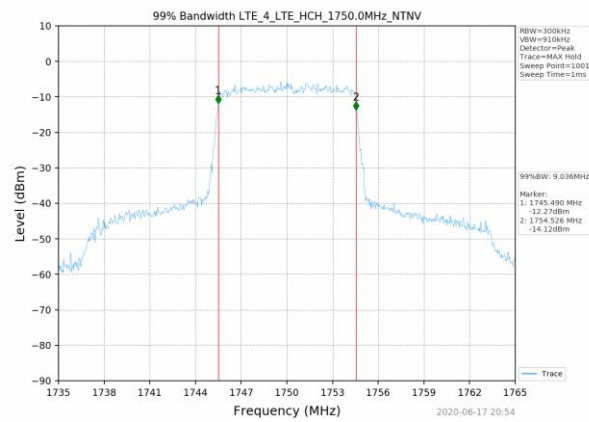
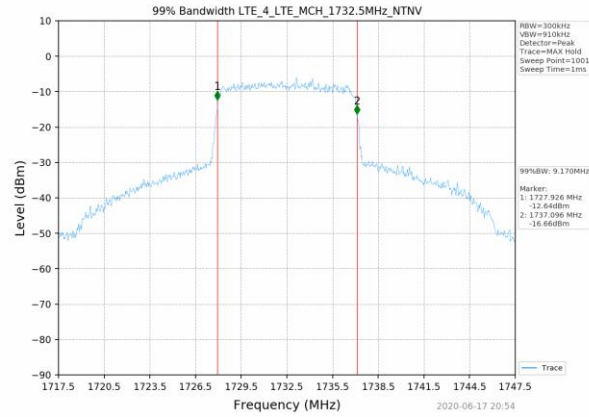


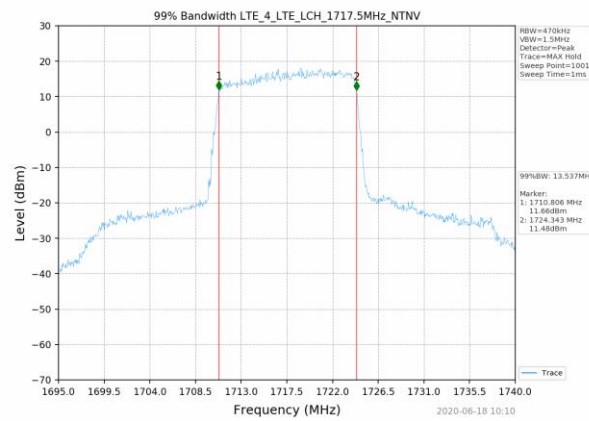
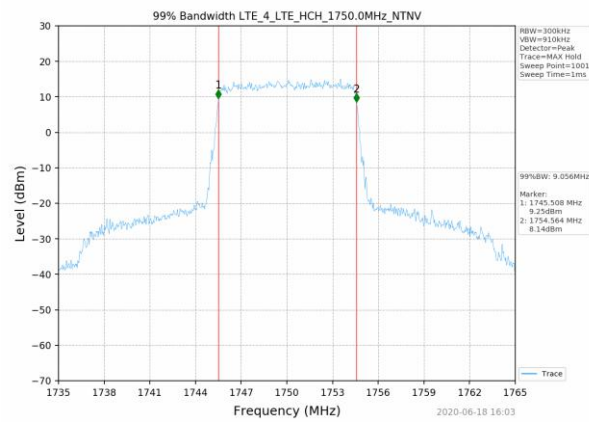
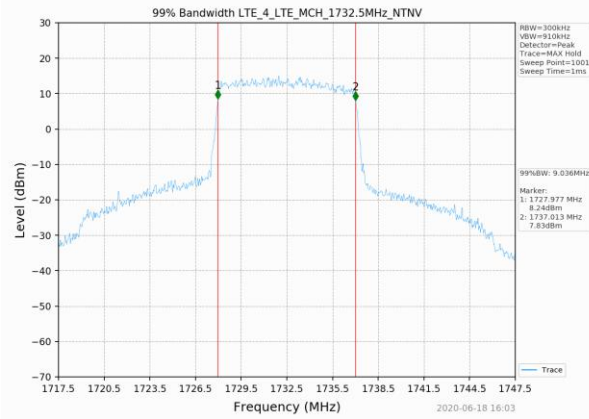


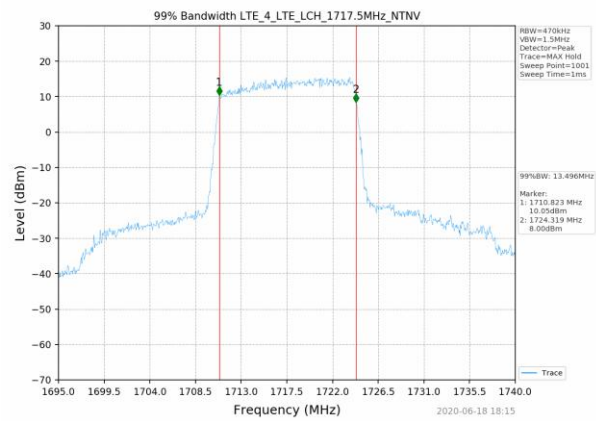
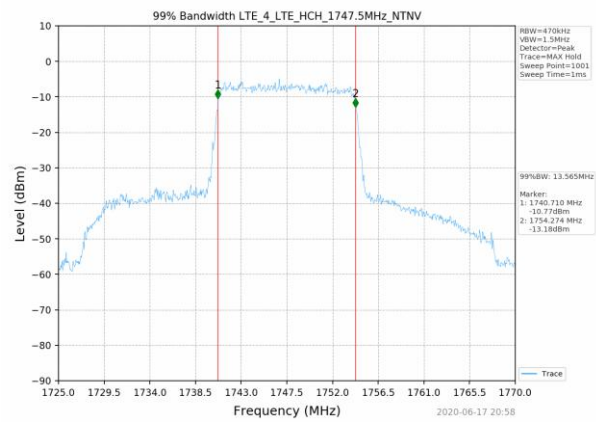
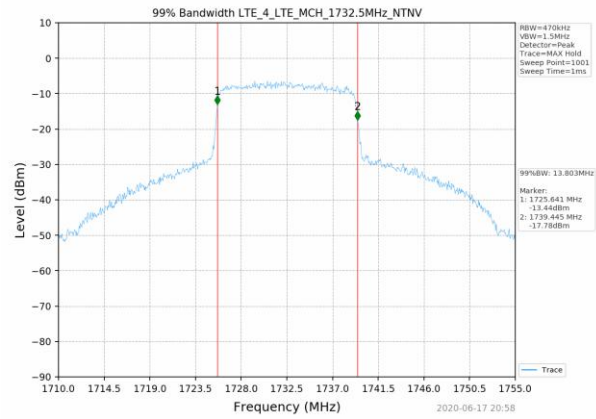


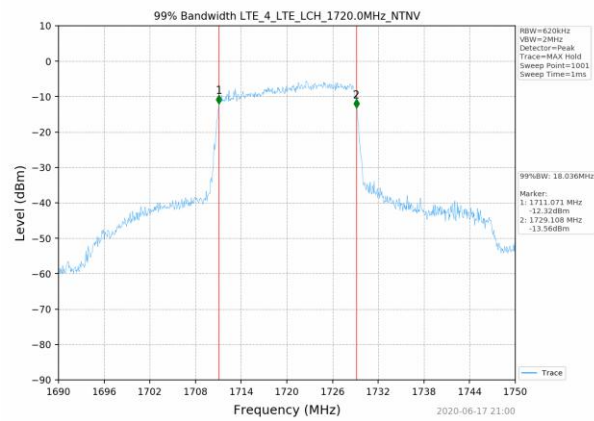
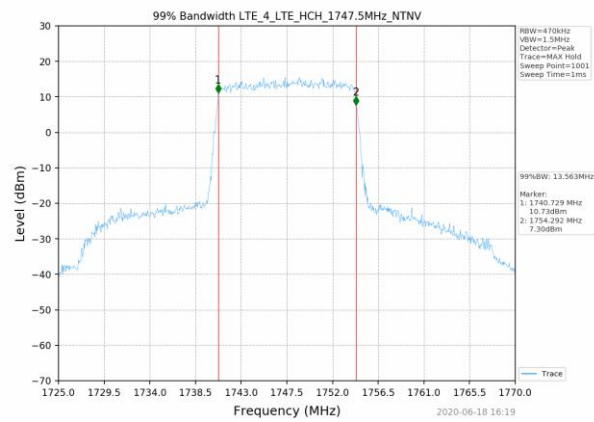
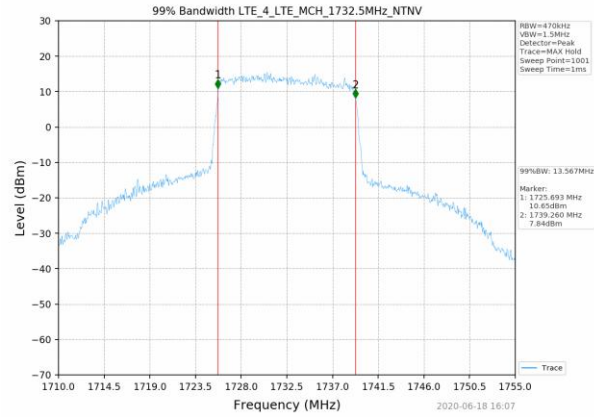


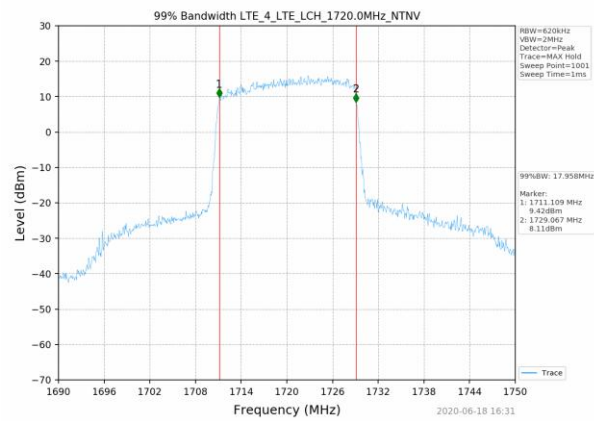
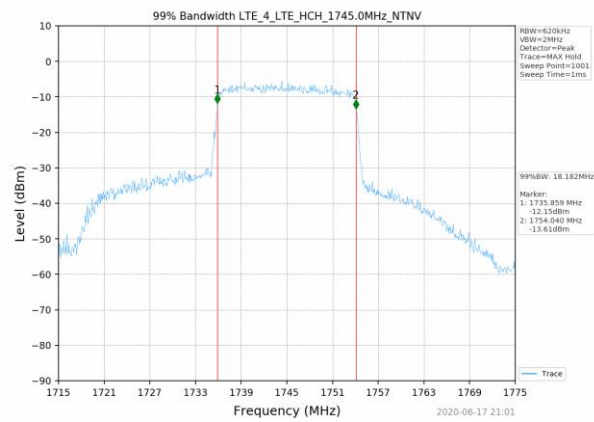
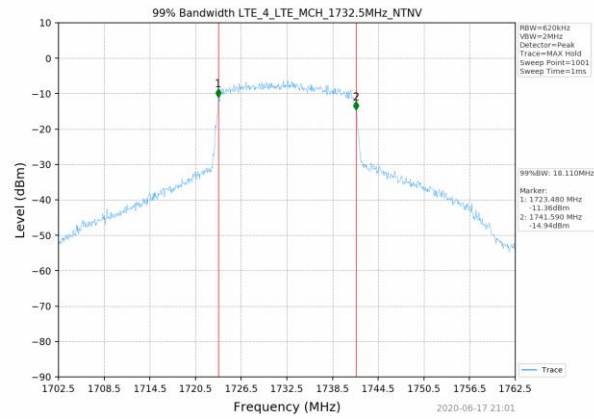


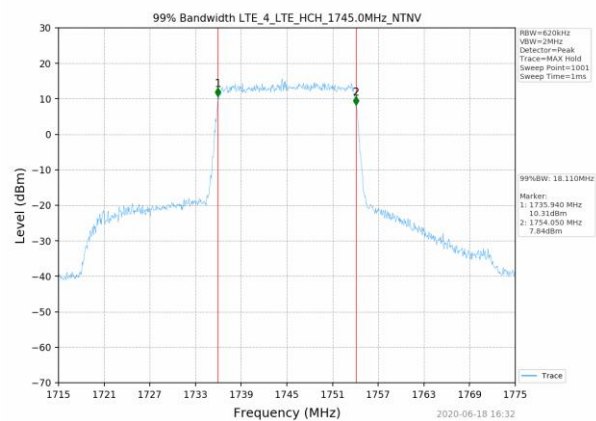
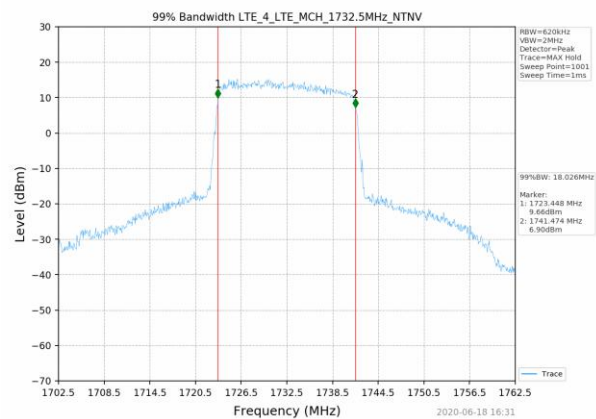




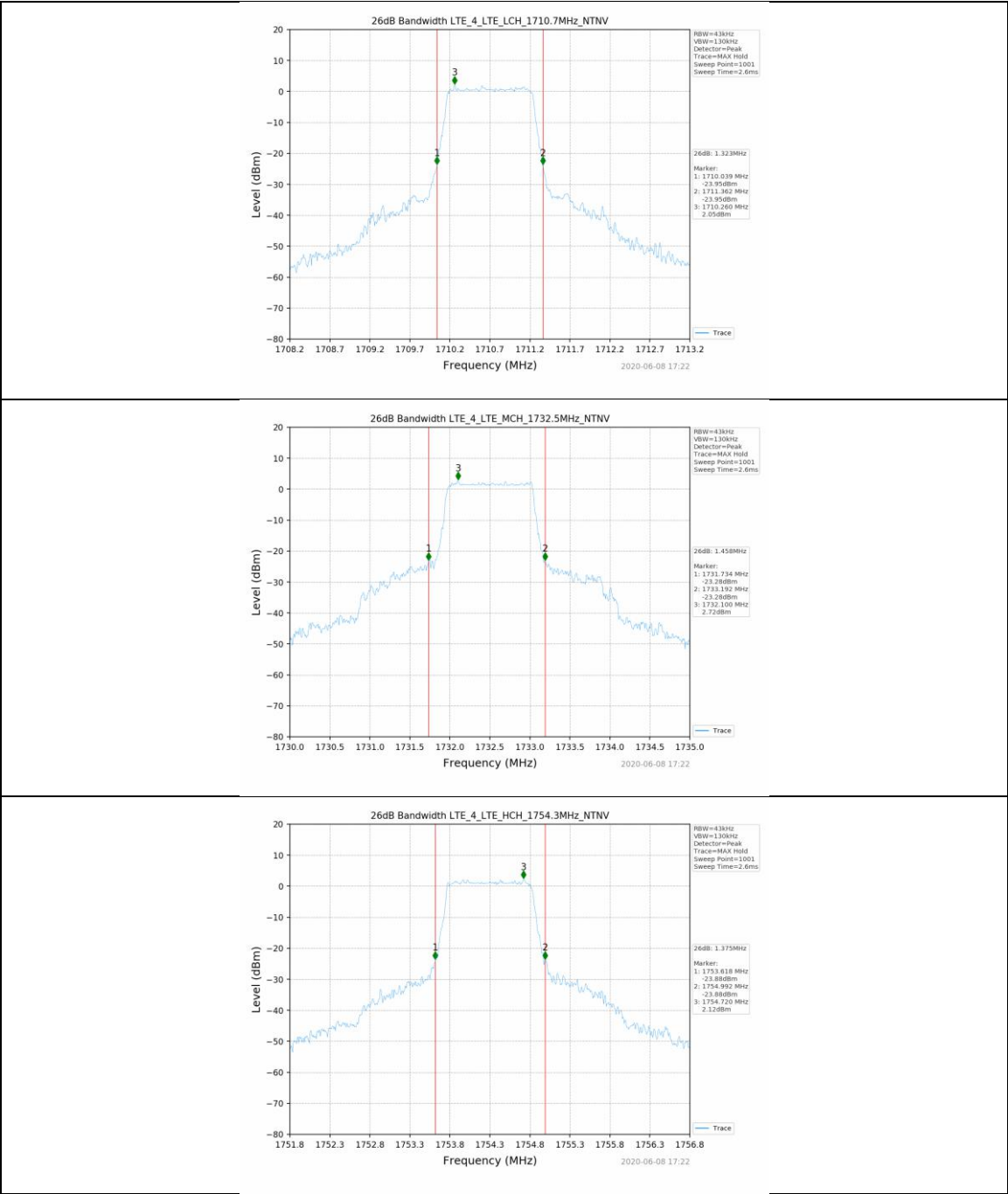


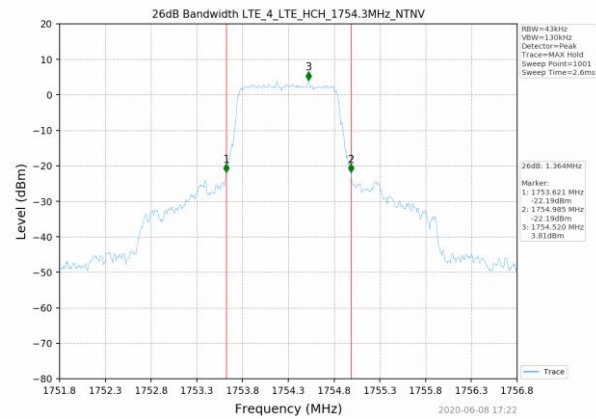
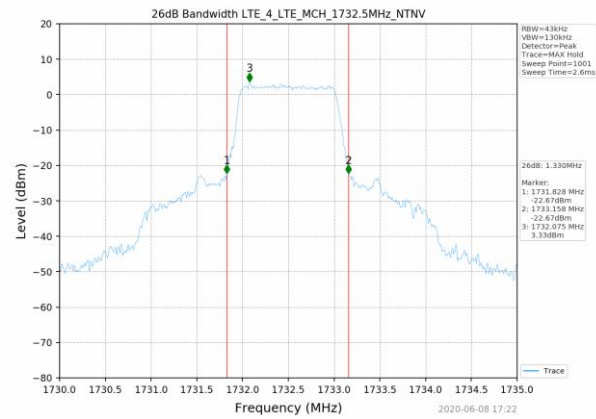
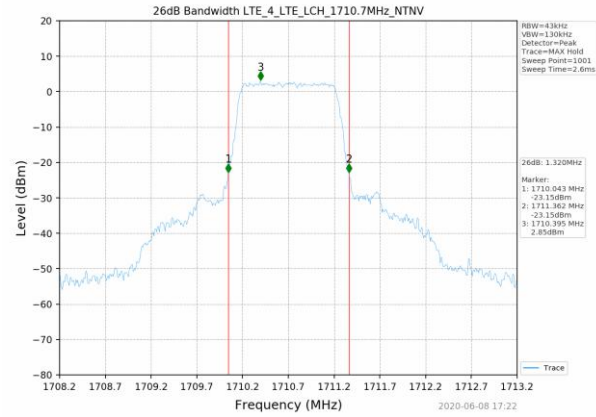


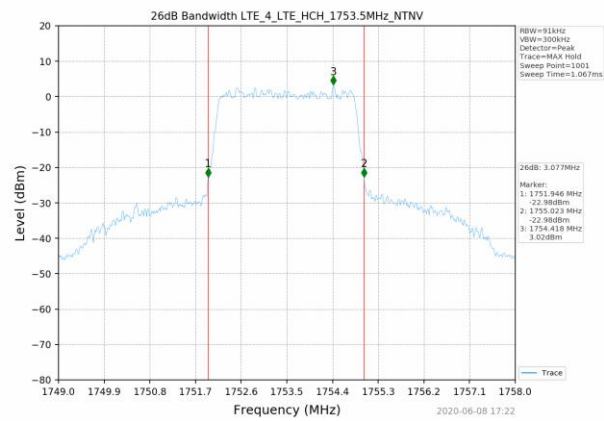
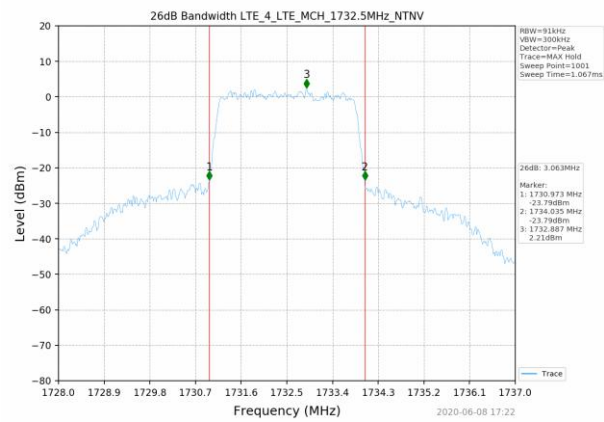
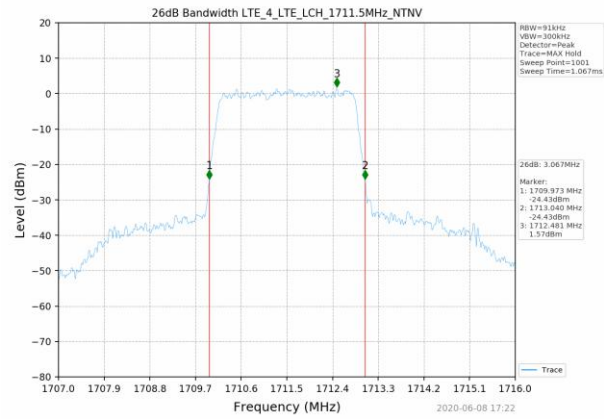


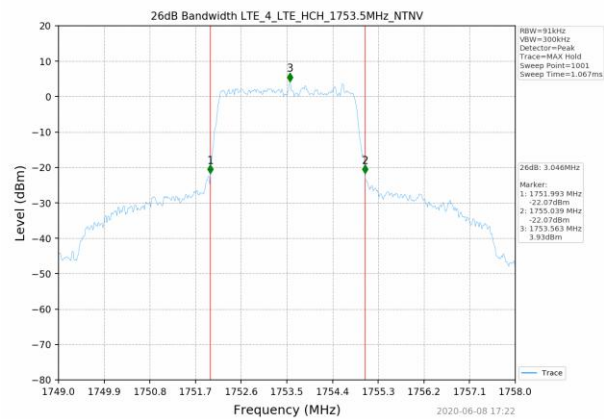
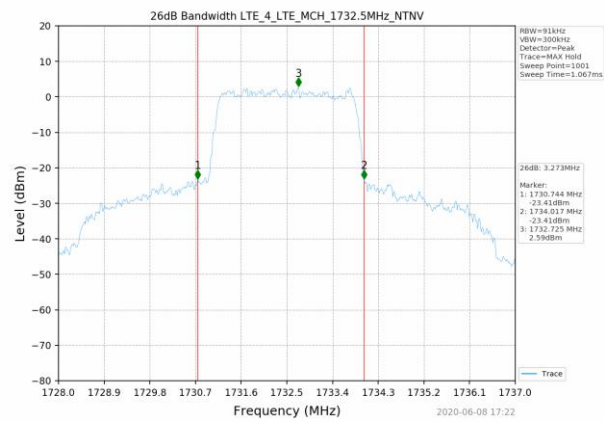
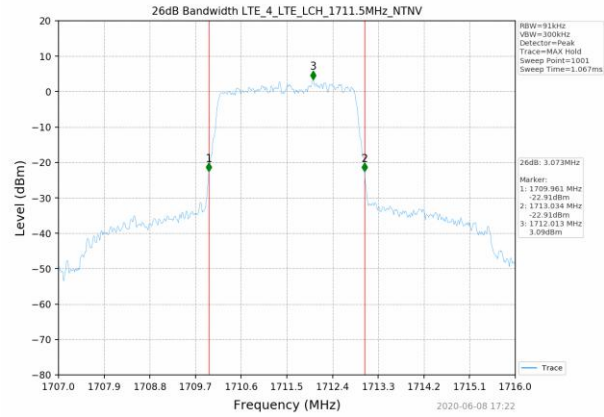


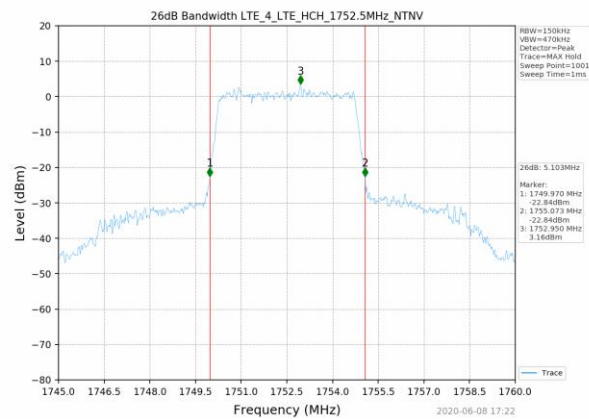
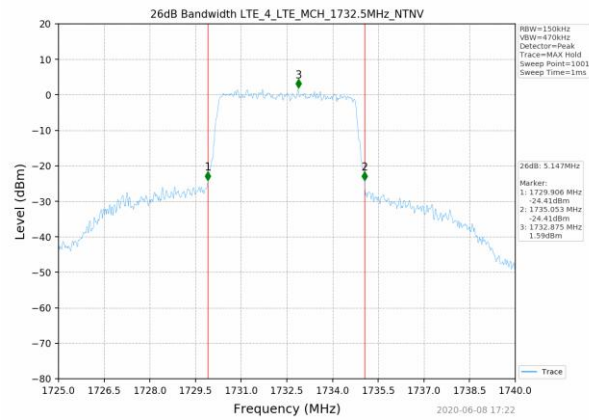
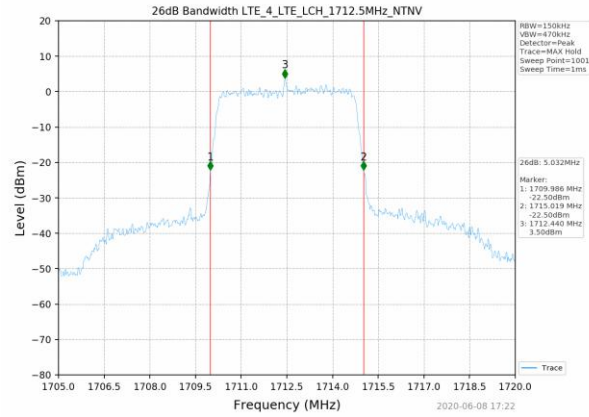
3.3 Test Graph(26dB Bandwidth)

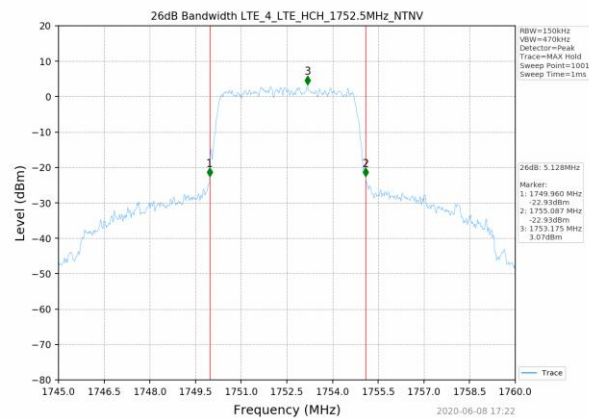
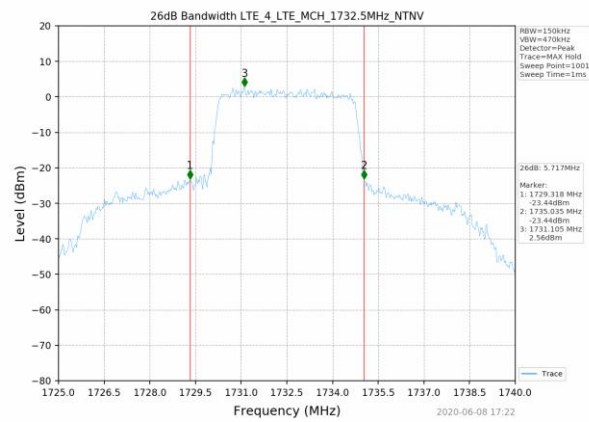
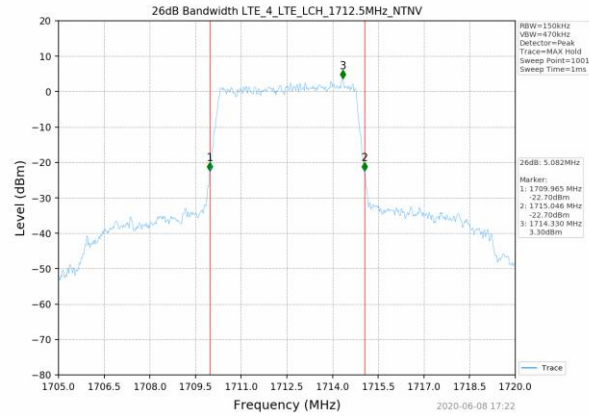


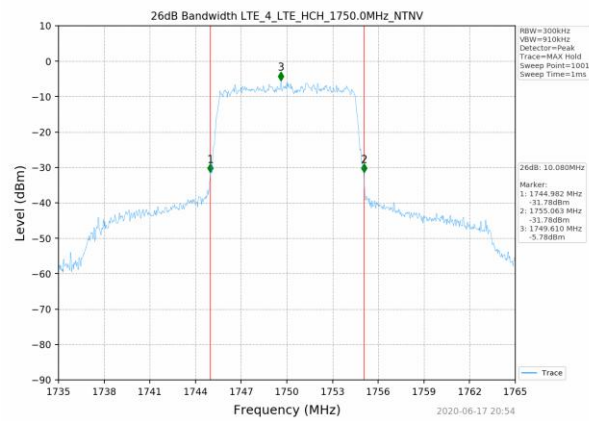
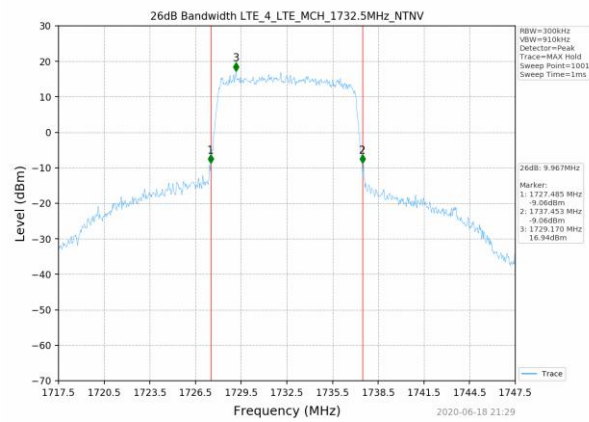
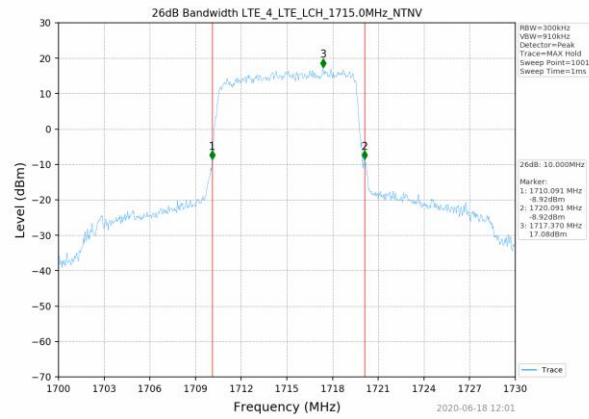


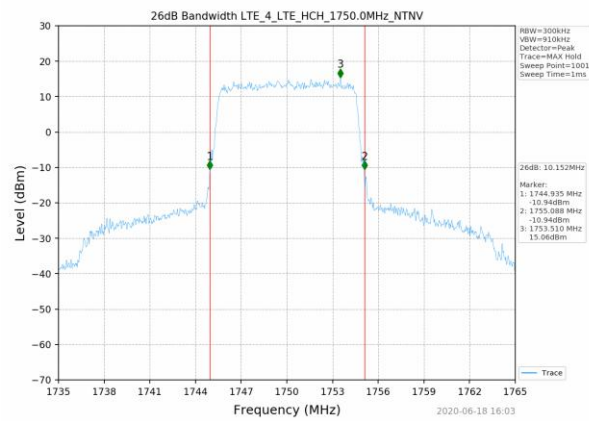
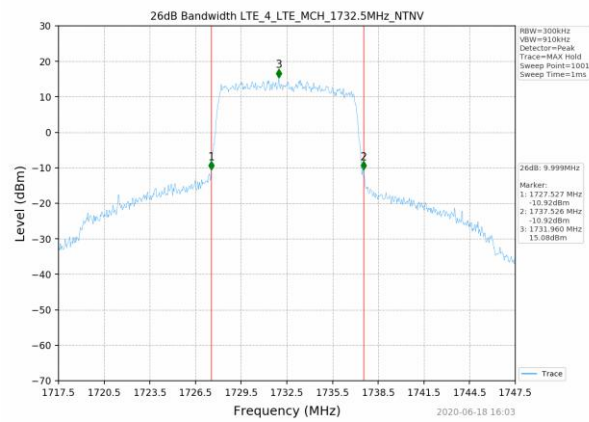
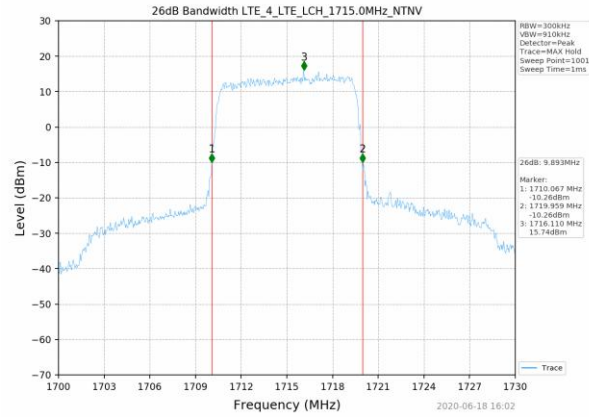


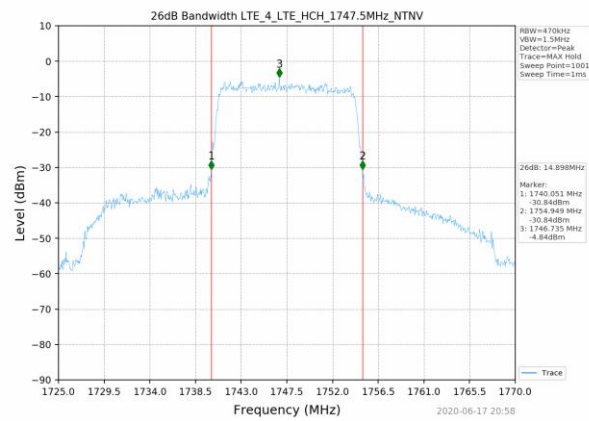
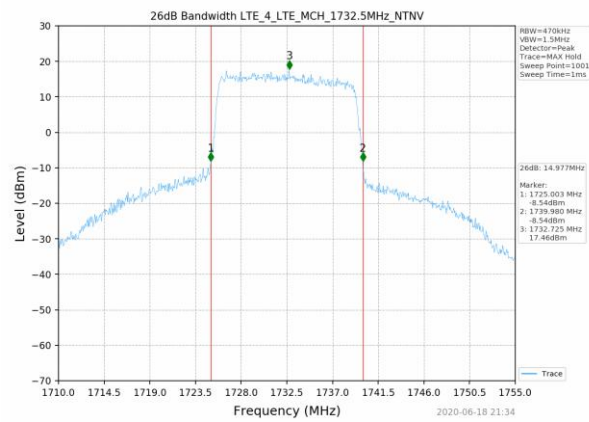
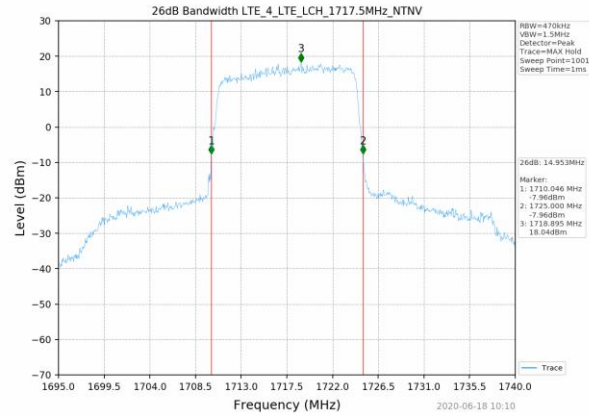


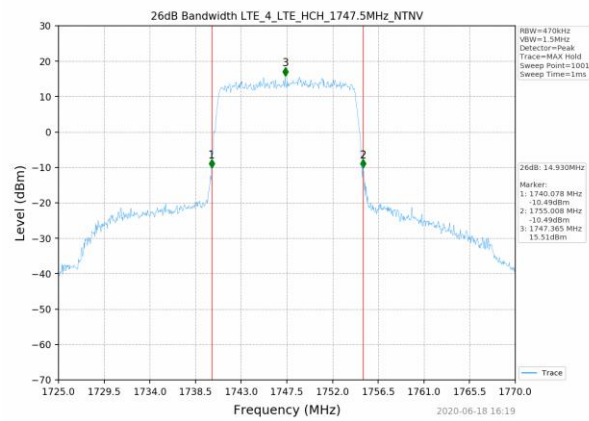
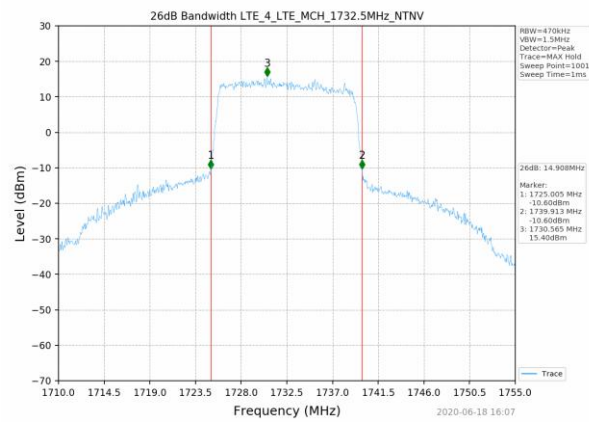
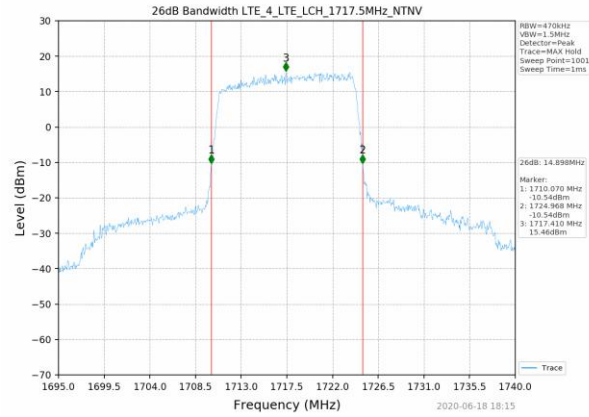


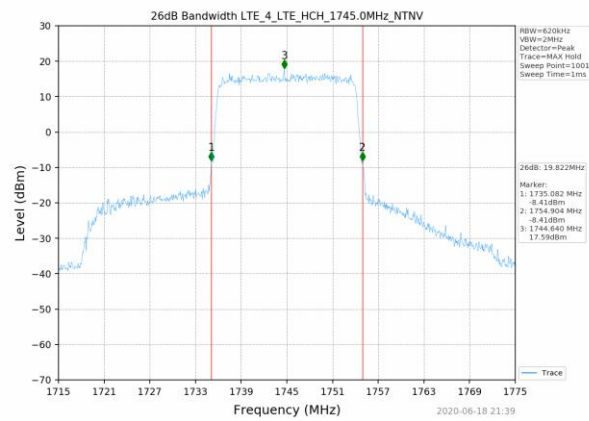
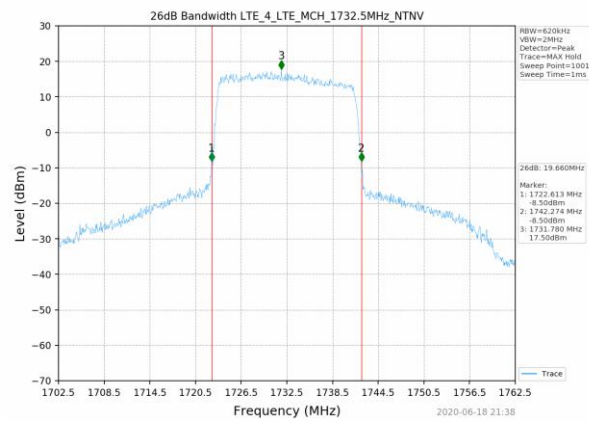
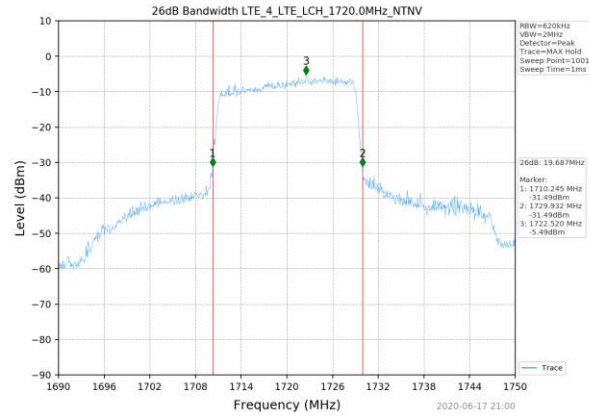


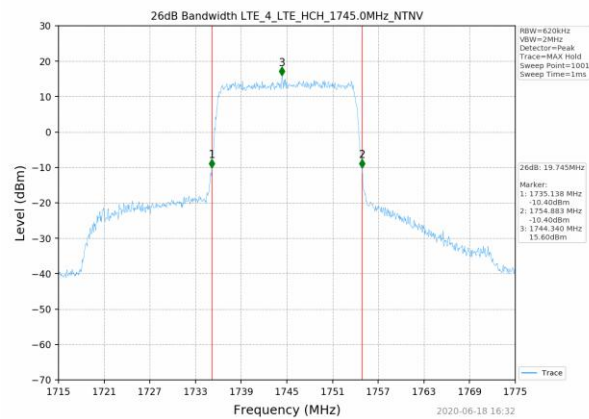
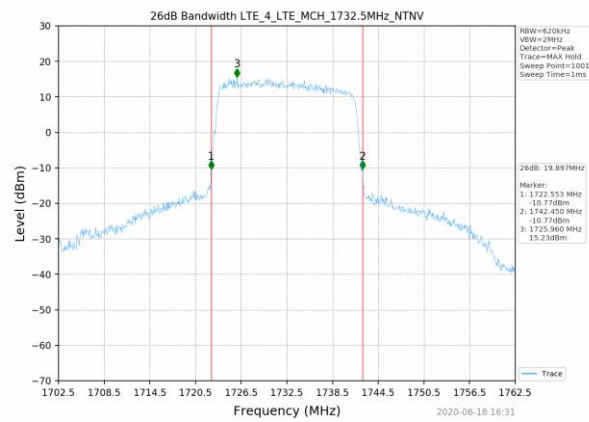
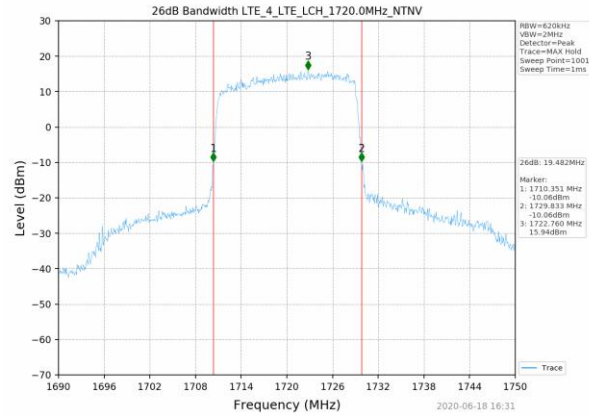












4. Peak-Average Ratio

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		
16QAM	6	0	5.42	4.20	4.29	13	PASS
QPSK	6	0	4.50	3.31	3.12	13	PASS
Test Band: 4 _ 3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	5.40	4.32	4.27	13	PASS
QPSK	15	0	4.55	3.19	3.18	13	PASS
Test Band: 4 _ 5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	5.57	4.83	4.71	13	PASS
QPSK	25	0	4.74	3.79	3.69	13	PASS
Test Band: 4 _ 10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	4.54	4.49	4.59	13	PASS
16QAM	12	0	4.54	4.61	4.59	13	PASS
Test Band: 4 _ 15MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	5.78	5.62	7.43	13	PASS
16QAM	16	0	6.32	5.77	6.48	13	PASS
Test Band: 4 _ 20MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	7.93	6.21	6.47	13	PASS
16QAM	18	0	7.76	6.45	7.90	13	PASS

4.2 Test Graph



