

LTE Band 2:

Channel Bandwidth: 1.4 MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1850.7	6	0	4.63	<13	PASS
	1880	6	0	5.80	<13	PASS
	1909.3	6	0	5.66	<13	PASS
16QAM	1850.7	6	0	5.51	<13	PASS
	1880	6	0	5.78	<13	PASS
	1909.3	6	0	5.63	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1851.5	15	0	4.75	<13	PASS
	1880	15	0	5.86	<13	PASS
	1908.5	15	0	5.69	<13	PASS
16QAM	1851.5	15	0	5.59	<13	PASS
	1880	15	0	5.82	<13	PASS
	1908.5	15	0	5.64	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1852.5	25	0	4.89	<13	PASS
	1880	25	0	5.85	<13	PASS
	1907.5	25	0	5.72	<13	PASS
16QAM	1852.5	25	0	5.72	<13	PASS
	1880	25	0	5.87	<13	PASS
	1907.5	25	0	5.69	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1855	50	0	5.08	<13	PASS
	1880	50	0	5.97	<13	PASS
	1905	50	0	5.81	<13	PASS
16QAM	1855	50	0	5.99	<13	PASS
	1880	50	0	5.94	<13	PASS
	1905	50	0	5.78	<13	PASS

Channel Bandwidth: 15MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1857.5	75	0	4.97	<13	PASS
	1880	75	0	5.94	<13	PASS
	1902.5	75	0	5.82	<13	PASS
16QAM	1857.5	75	0	5.96	<13	PASS
	1880	75	0	5.92	<13	PASS
	1902.5	75	0	5.83	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1860	100	0	5.36	<13	PASS
	1880	100	0	5.34	<13	PASS
	1900	100	0	5.24	<13	PASS
16QAM	1860	100	0	6.51	<13	PASS
	1880	100	0	6.46	<13	PASS
	1900	100	0	6.43	<13	PASS

LTE Band 4:

Channel Bandwidth: 1.4 MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1710.7	6	0	4.54	<13	PASS
	1732.5	6	0	5.84	<13	PASS
	1754.3	6	0	5.53	<13	PASS
16QAM	1710.7	6	0	5.53	<13	PASS
	1732.5	6	0	5.79	<13	PASS
	1754.3	6	0	5.52	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1711.5	15	0	4.62	<13	PASS
	1732.5	15	0	5.79	<13	PASS
	1753.5	15	0	5.78	<13	PASS
16QAM	1711.5	15	0	5.61	<13	PASS
	1732.5	15	0	5.82	<13	PASS
	1753.5	15	0	5.70	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1712.5	25	0	5.76	<13	PASS
	1732.5	25	0	5.92	<13	PASS
	1752.5	25	0	5.96	<13	PASS
16QAM	1712.5	25	0	5.84	<13	PASS
	1732.5	25	0	5.91	<13	PASS
	1752.5	25	0	5.89	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1715	50	0	4.88	<13	PASS
	1732.5	50	0	6.00	<13	PASS
	1750	50	0	5.99	<13	PASS
16QAM	1715	50	0	5.82	<13	PASS
	1732.5	50	0	5.98	<13	PASS
	1750	50	0	5.97	<13	PASS

Channel Bandwidth: 15MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1717.5	75	0	4.83	<13	PASS
	1732.5	75	0	5.97	<13	PASS
	1747.5	75	0	5.96	<13	PASS
16QAM	1717.5	75	0	5.80	<13	PASS
	1732.5	75	0	5.94	<13	PASS
	1747.5	75	0	5.91	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1720	100	0	5.32	<13	PASS
	1732.5	100	0	5.32	<13	PASS
	1745	100	0	5.29	<13	PASS
16QAM	1720	100	0	6.46	<13	PASS
	1732.5	100	0	6.49	<13	PASS
	1745	100	0	6.50	<13	PASS

LTE Band 5:

Channel Bandwidth: 1.4 MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	824.7	6	0	4.91	<13	PASS
	836.5	6	0	6.01	<13	PASS
	848.3	6	0	4.39	<13	PASS
16QAM	824.7	6	0	5.88	<13	PASS
	836.5	6	0	6.00	<13	PASS
	848.3	6	0	5.34	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	825.5	15	0	4.90	<13	PASS
	836.5	15	0	5.95	<13	PASS
	847.5	15	0	4.33	<13	PASS
16QAM	825.5	15	0	5.80	<13	PASS
	836.5	15	0	6.04	<13	PASS
	847.5	15	0	5.36	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	826.5	25	0	4.90	<13	PASS
	836.5	25	0	5.97	<13	PASS
	846.5	25	0	4.47	<13	PASS
16QAM	826.5	25	0	5.70	<13	PASS
	836.5	25	0	5.98	<13	PASS
	846.5	25	0	5.41	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	829	50	0	4.95	<13	PASS
	836.5	50	0	6.00	<13	PASS
	844	50	0	4.79	<13	PASS
16QAM	829	50	0	5.83	<13	PASS
	836.5	50	0	6.00	<13	PASS
	844	50	0	5.65	<13	PASS

LTE Band 12:

Channel Bandwidth: 1.4MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	699.7	6	0	4.97	<13	PASS
	707.5	6	0	5.76	<13	PASS
	715.3	6	0	4.39	<13	PASS
16QAM	699.7	6	0	4.95	<13	PASS
	707.5	6	0	5.76	<13	PASS
	715.3	6	0	4.32	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	700.5	15	0	4.14	<13	PASS
	707.5	15	0	4.77	<13	PASS
	714.5	15	0	4.45	<13	PASS
16QAM	700.5	15	0	5.05	<13	PASS
	707.5	15	0	5.68	<13	PASS
	714.5	15	0	4.51	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	701.5	25	0	4.36	<13	PASS
	707.5	25	0	4.80	<13	PASS
	713.5	25	0	4.85	<13	PASS
16QAM	701.5	25	0	5.21	<13	PASS
	707.5	25	0	5.68	<13	PASS
	713.5	25	0	4.87	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	704	50	0	4.72	<13	PASS
	707.5	50	0	4.88	<13	PASS
	711	50	0	5.53	<13	PASS
16QAM	704	50	0	5.62	<13	PASS
	707.5	50	0	5.71	<13	PASS
	711	50	0	5.56	<13	PASS

LTE Band 13:

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	799.5	25	0	4.17	<13	PASS
	782	25	0	5.02	<13	PASS
	784.5	25	0	3.76	<13	PASS
16QAM	799.5	25	0	5.04	<13	PASS
	782	25	0	5.03	<13	PASS
	784.5	25	0	4.72	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	782	50	0	4.39	<13	PASS
16QAM	782	50	0	5.32	<13	PASS

5.3. Occupied Bandwidth/Emission Bandwidth

5.3.1. Test Standard

FCC: CFR Part 2.1049, CFR Part 22.917, CFR Part 24.238, CRF Part 27

5.3.2. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.

(h) Transmitters employing digital modulation techniques-when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated.

5.3.3. Test Procedure

1. Connect the equipment as shown in the above diagram.
 2. Adjust the settings of the Universal Radio Communication Tester (CMU/CMW) to set the EUT to its maximum power at the required channel.
 3. Set the spectrum analyzer to measure the 99% occupied bandwidth. Record the value.
 4. Set the spectrum analyzer to measure the -26 dB emission bandwidth. Record the value.
 5. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
- Spectrum analyzer settings: Measurement bandwidth of at least 1% of the occupied bandwidth.

5.3.4. Test Data

Test Band	Test Mode	Test Channel	99% OBW (kHz)	26dBc BANDWIDTH (kHz)	Verdict
GSM850	GPRS/TM1	LCH	246.75	306.19	PASS
		MCH	244.02	311.53	PASS
		HCH	243.70	312.98	PASS
	EDGE/TM2	LCH	244.42	312.32	PASS
		MCH	244.97	308.16	PASS
		HCH	247.95	313.34	PASS
GSM1900	GPRS/TM1	LCH	245.31	300.77	PASS
		MCH	241.25	302.44	PASS
		HCH	244.64	308.46	PASS
	EDGE/TM2	LCH	249.81	308.42	PASS
		MCH	249.59	318.54	PASS
		HCH	244.38	307.86	PASS

Test Band	Test Mode	Test Channel	99% OBW (kHz)	26dBc BANDWIDTH (kHz)	Verdict
WCDMA850	UMTS/TM3	LCH	4164.1	4715	PASS
		MCH	4160.6	4718	PASS
		HCH	4153.0	4712	PASS
WCDMA1700	UMTS/TM3	LCH	4121.9	4707	PASS
		MCH	4133.9	4700	PASS
		HCH	4122.5	4725	PASS
WCDMA1900	UMTS/TM3	LCH	4177.1	4715	PASS
		MCH	4180.3	4718	PASS
		HCH	4183.1	4726	PASS

LTE Band 2:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0789	1.239	PASS
	MCH	6	0	1.0794	1.208	PASS
	HCH	6	0	1.0806	1.220	PASS
16QAM	LCH	6	0	1.0799	1.247	PASS
	MCH	6	0	1.0784	1.230	PASS
	HCH	6	0	1.0779	1.243	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6869	2.897	PASS
	MCH	15	0	2.6843	2.879	PASS
	HCH	15	0	2.6822	2.879	PASS
16QAM	LCH	15	0	2.6827	2.903	PASS
	MCH	15	0	2.6813	2.901	PASS
	HCH	15	0	2.6810	2.874	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4742	4.862	PASS
	MCH	25	0	4.4736	4.860	PASS
	HCH	25	0	4.4755	4.811	PASS
16QAM	LCH	25	0	4.4778	4.820	PASS
	MCH	25	0	4.4720	4.807	PASS
	HCH	25	0	4.4754	4.795	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9296	9.426	PASS
	MCH	50	0	8.9187	9.415	PASS
	HCH	50	0	8.9152	9.388	PASS
16QAM	LCH	50	0	8.9163	9.403	PASS
	MCH	50	0	8.9084	9.360	PASS
	HCH	50	0	8.9069	9.371	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.376	14.06	PASS
	MCH	75	0	13.374	14.05	PASS
	HCH	75	0	13.367	14.11	PASS
16QAM	LCH	75	0	13.362	14.00	PASS
	MCH	75	0	13.362	13.95	PASS
	HCH	75	0	13.350	13.95	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.829	18.58	PASS
	MCH	100	0	17.799	18.60	PASS
	HCH	100	0	17.786	18.63	PASS
16QAM	LCH	100	0	17.816	18.57	PASS
	MCH	100	0	17.814	18.60	PASS
	HCH	100	0	17.786	18.53	PASS

LTE Band 4:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.1116	1.287	PASS
	MCH	6	0	1.1087	1.290	PASS
	HCH	6	0	1.1103	1.283	PASS
16QAM	LCH	6	0	1.1068	1.292	PASS
	MCH	6	0	1.1119	1.285	PASS
	HCH	6	0	1.1078	1.288	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6860	2.885	PASS
	MCH	15	0	2.6848	2.881	PASS
	HCH	15	0	2.6882	2.891	PASS
16QAM	LCH	15	0	2.6836	2.897	PASS
	MCH	15	0	2.6804	2.889	PASS
	HCH	15	0	2.6830	2.892	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4725	4.821	PASS
	MCH	25	0	4.4734	4.853	PASS
	HCH	25	0	4.4716	4.821	PASS
16QAM	LCH	25	0	4.4781	4.863	PASS
	MCH	25	0	4.4745	4.805	PASS
	HCH	25	0	4.4728	4.866	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9332	9.431	PASS
	MCH	50	0	8.9242	9.406	PASS
	HCH	50	0	8.9177	9.414	PASS
16QAM	LCH	50	0	8.9190	9.401	PASS
	MCH	50	0	8.9085	9.446	PASS
	HCH	50	0	8.9286	9.403	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.359	14.03	PASS
	MCH	75	0	13.373	14.05	PASS
	HCH	75	0	13.375	14.02	PASS
16QAM	LCH	75	0	13.360	14.00	PASS
	MCH	75	0	13.366	14.01	PASS
	HCH	75	0	13.363	14.01	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.798	18.57	PASS
	MCH	100	0	17.816	18.64	PASS
	HCH	100	0	17.825	18.69	PASS
16QAM	LCH	100	0	17.826	18.61	PASS
	MCH	100	0	17.813	18.56	PASS
	HCH	100	0	17.824	18.59	PASS

LTE Band 5:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0798	1.246	PASS
	MCH	6	0	1.0782	1.240	PASS
	HCH	6	0	1.0802	1.225	PASS
16QAM	LCH	6	0	1.0780	1.230	PASS
	MCH	6	0	1.0779	1.218	PASS
	HCH	6	0	1.0780	1.225	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6799	2.885	PASS
	MCH	15	0	2.6849	2.906	PASS
	HCH	15	0	2.6853	2.909	PASS
16QAM	LCH	15	0	2.6817	2.885	PASS
	MCH	15	0	2.6832	2.898	PASS
	HCH	15	0	2.6811	2.893	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4709	4.834	PASS
	MCH	25	0	4.4755	4.842	PASS
	HCH	25	0	4.4695	4.821	PASS
16QAM	LCH	25	0	4.4769	4.848	PASS
	MCH	25	0	4.4780	4.825	PASS
	HCH	25	0	4.4704	4.794	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9093	9.339	PASS
	MCH	50	0	8.9278	9.411	PASS
	HCH	50	0	8.9035	9.400	PASS
16QAM	LCH	50	0	8.8999	9.379	PASS
	MCH	50	0	8.9334	9.380	PASS
	HCH	50	0	8.9025	9.363	PASS

LTE Band 12:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0777	1.231	PASS
	MCH	6	0	1.0796	1.226	PASS
	HCH	6	0	1.0790	1.222	PASS
16QAM	LCH	6	0	1.0794	1.235	PASS
	MCH	6	0	1.0766	1.208	PASS
	HCH	6	0	1.0792	1.247	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6893	2.886	PASS
	MCH	15	0	2.6869	2.885	PASS
	HCH	15	0	2.6928	2.903	PASS
16QAM	LCH	15	0	2.6815	2.869	PASS
	MCH	15	0	2.6872	2.875	PASS
	HCH	15	0	2.6778	2.879	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4722	4.860	PASS
	MCH	25	0	4.4765	4.843	PASS
	HCH	25	0	4.4743	4.820	PASS
16QAM	LCH	25	0	4.4703	4.855	PASS
	MCH	25	0	4.4782	4.856	PASS
	HCH	25	0	4.4763	4.830	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9042	9.356	PASS
	MCH	50	0	8.9325	9.415	PASS
	HCH	50	0	8.9156	9.411	PASS
16QAM	LCH	50	0	8.9008	9.404	PASS
	MCH	50	0	8.9265	9.399	PASS
	HCH	50	0	8.9114	9.378	PASS

LTE Band 13:

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4680	4.807	PASS
	MCH	25	0	4.4770	4.852	PASS
	HCH	25	0	4.4718	4.865	PASS
16QAM	LCH	25	0	4.4700	4.857	PASS
	MCH	25	0	4.4689	4.827	PASS
	HCH	25	0	4.4750	4.868	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	---	50	0	8.9129	9.404	PASS
16QAM	---	50	0	8.9211	9.359	PASS

LTE Band 66:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0800	1.230	PASS
	MCH	6	0	1.0791	1.228	PASS
	HCH	6	0	1.0795	1.244	PASS
16QAM	LCH	6	0	1.0788	1.253	PASS
	MCH	6	0	1.0783	1.244	PASS
	HCH	6	0	1.0782	1.246	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6869	2.890	PASS
	MCH	15	0	2.6828	2.880	PASS
	HCH	15	0	2.6850	2.891	PASS
16QAM	LCH	15	0	2.6785	2.887	PASS
	MCH	15	0	2.6852	2.908	PASS
	HCH	15	0	2.6818	2.901	PASS

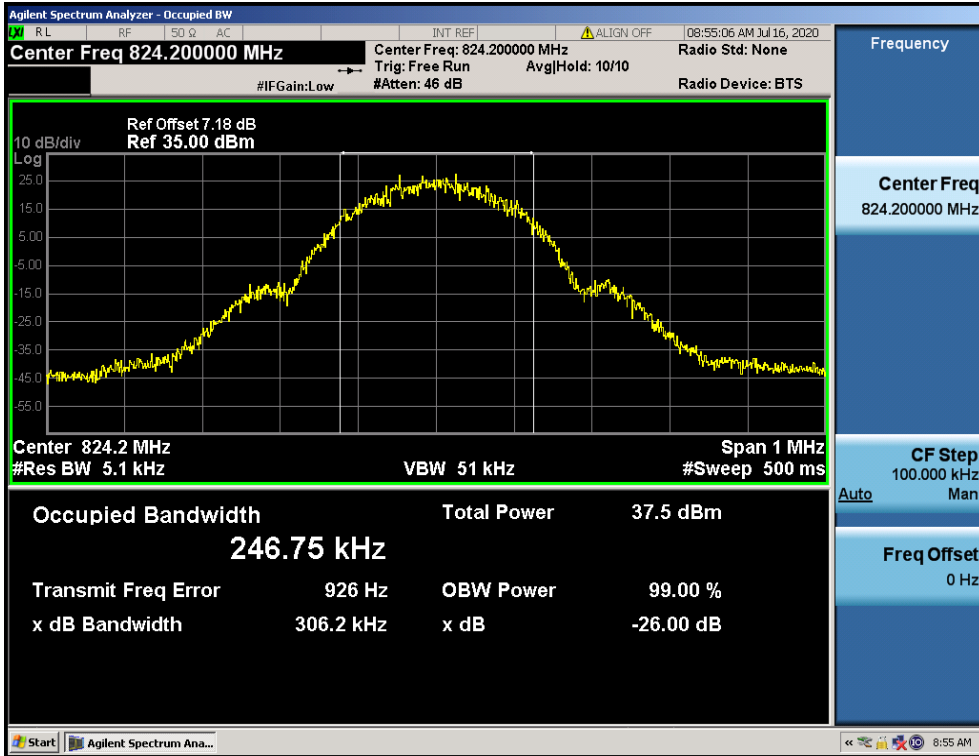
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4756	4.857	PASS
	MCH	25	0	4.4716	4.856	PASS
	HCH	25	0	4.4778	4.827	PASS
16QAM	LCH	25	0	4.4745	4.809	PASS
	MCH	25	0	4.4740	4.853	PASS
	HCH	25	0	4.4766	4.835	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9341	9.407	PASS
	MCH	50	0	8.9206	9.418	PASS
	HCH	50	0	8.9041	9.390	PASS
16QAM	LCH	50	0	8.9164	9.382	PASS
	MCH	50	0	8.9234	9.361	PASS
	HCH	50	0	8.9115	9.348	PASS

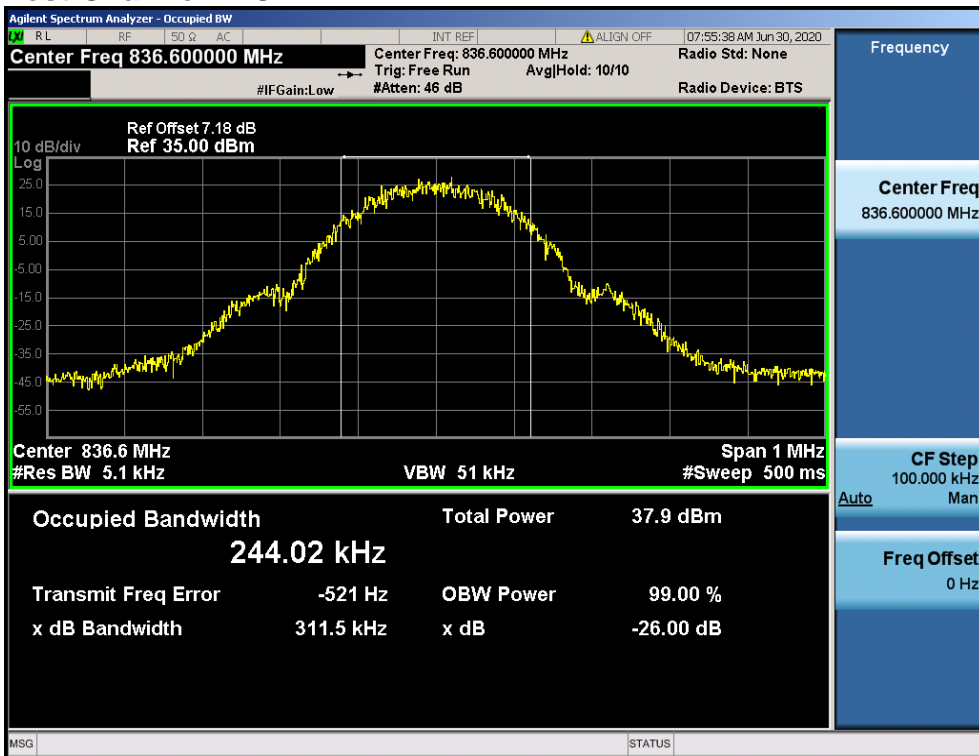
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.364	14.03	PASS
	MCH	75	0	13.365	14.01	PASS
	HCH	75	0	13.363	14.01	PASS
16QAM	LCH	75	0	13.363	14.01	PASS
	MCH	75	0	13.360	14.04	PASS
	HCH	75	0	13.366	13.99	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.810	18.62	PASS
	MCH	100	0	17.806	18.65	PASS
	HCH	100	0	17.817	18.60	PASS
16QAM	LCH	100	0	17.802	18.54	PASS
	MCH	100	0	17.835	18.53	PASS
	HCH	100	0	17.828	18.62	PASS

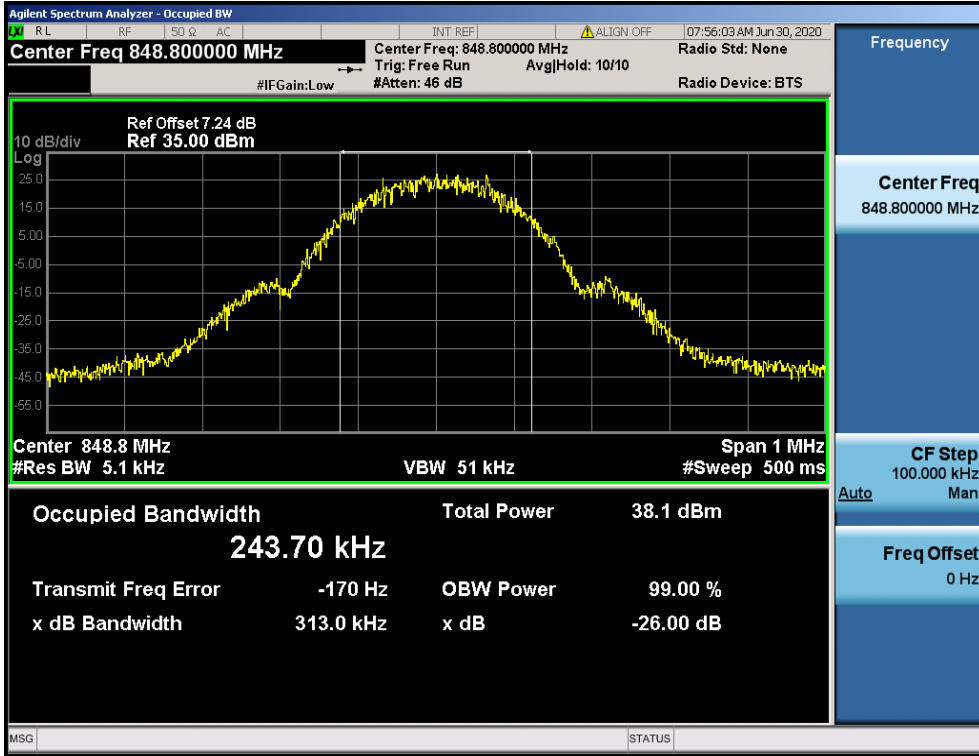
For GSM
Test Band=GSM850
Test Channel=LCH



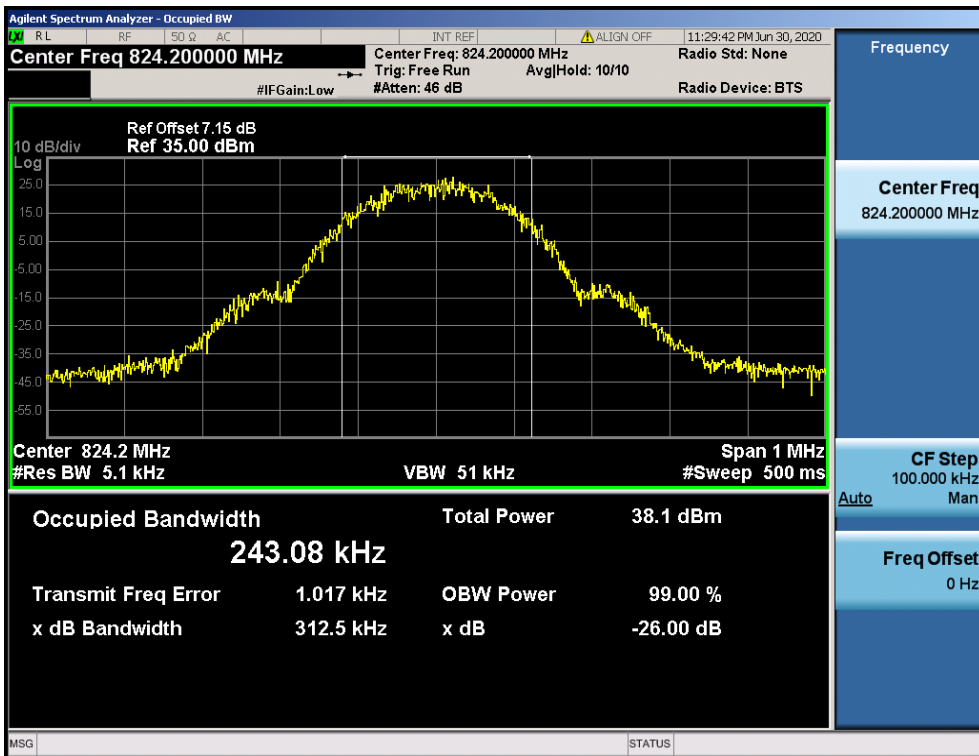
Test Channel=MCH



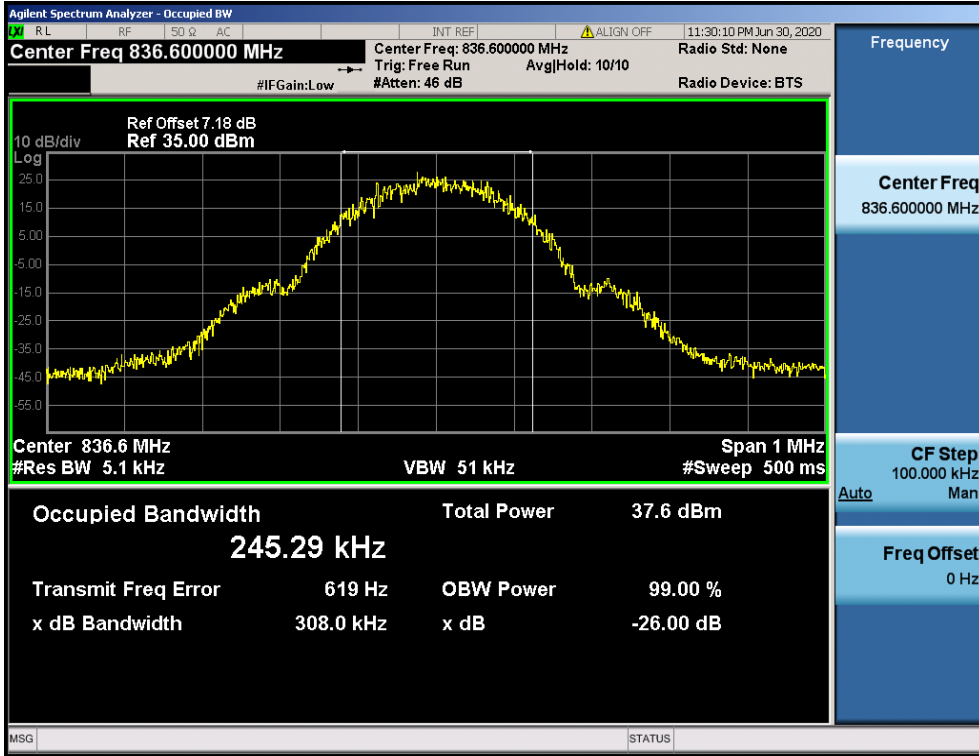
Test Channel=HCH



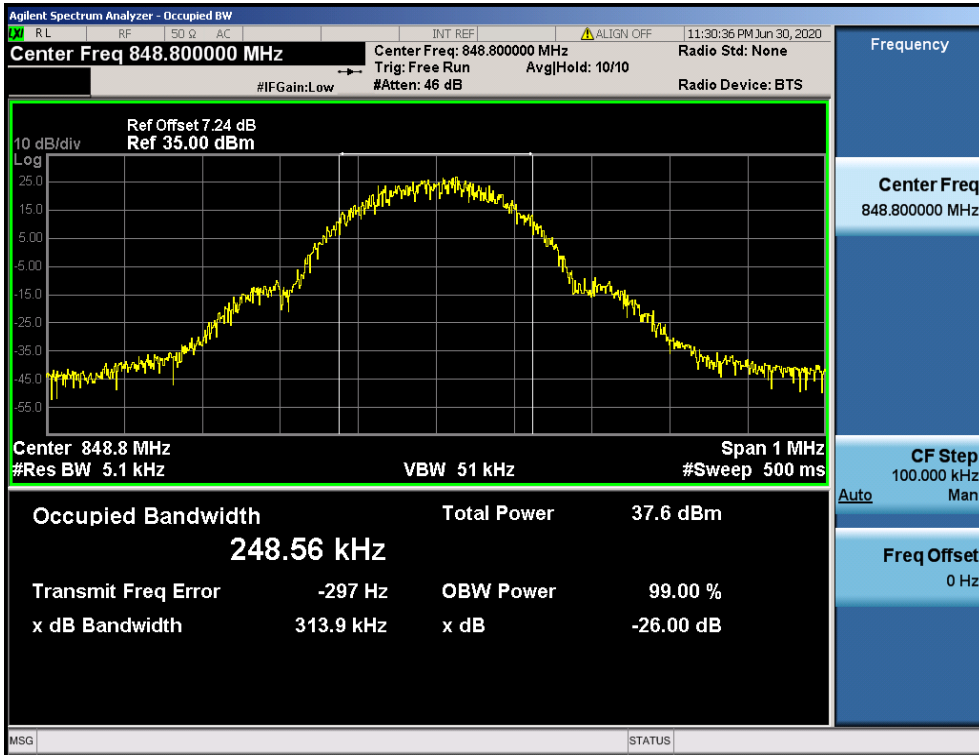
Test Mode=GSM/TM2 Test Channel=LCH



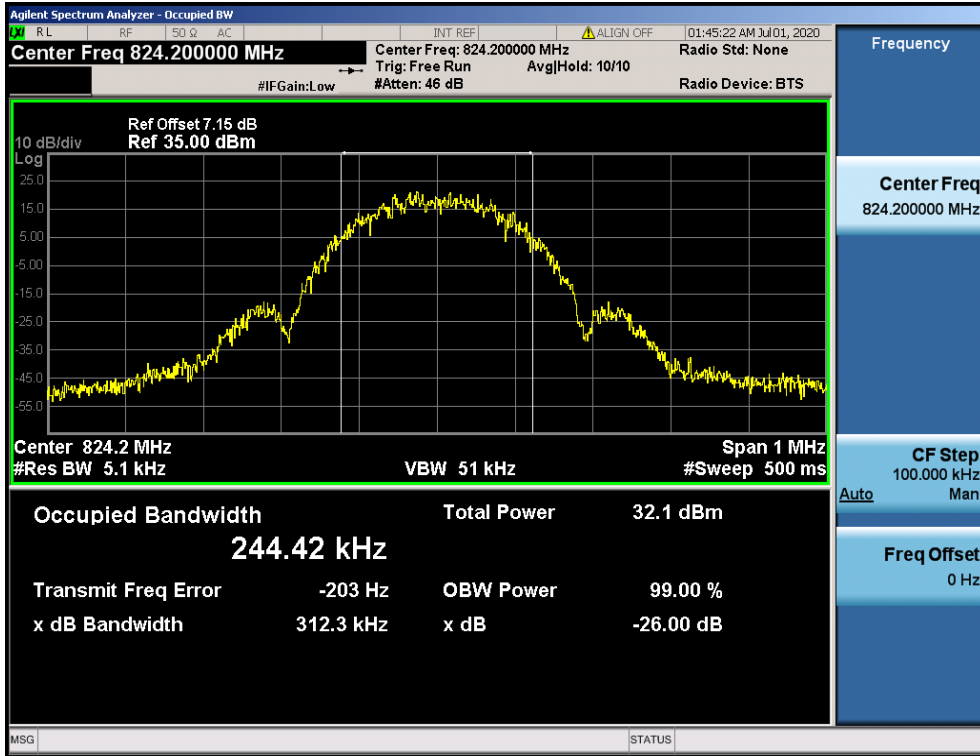
Test Channel=MCH



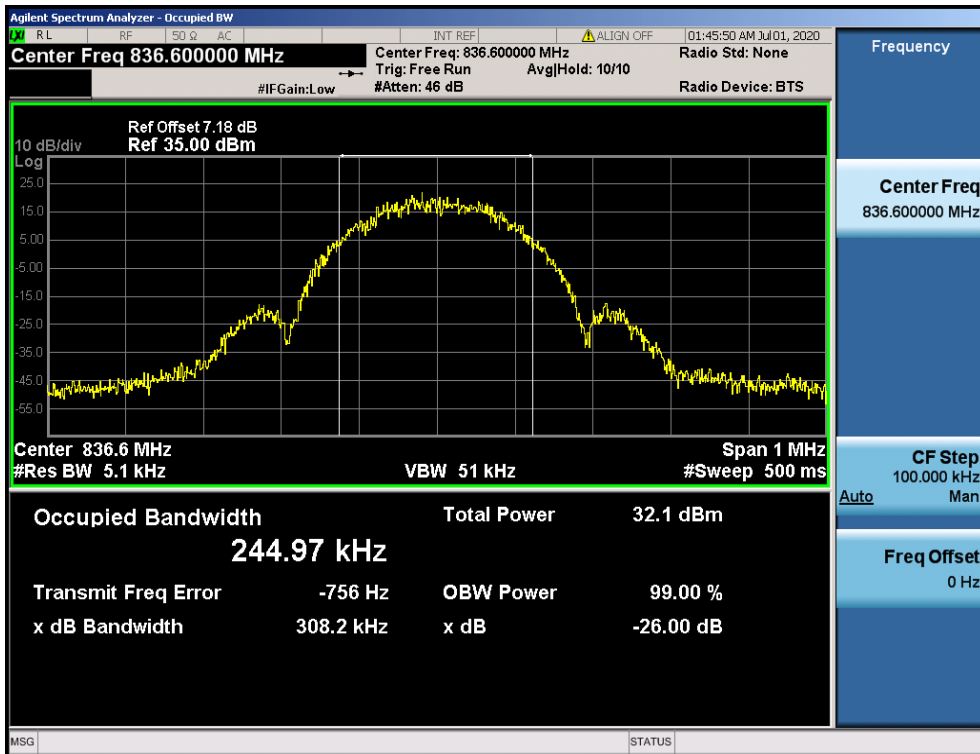
Test Channel=HCH



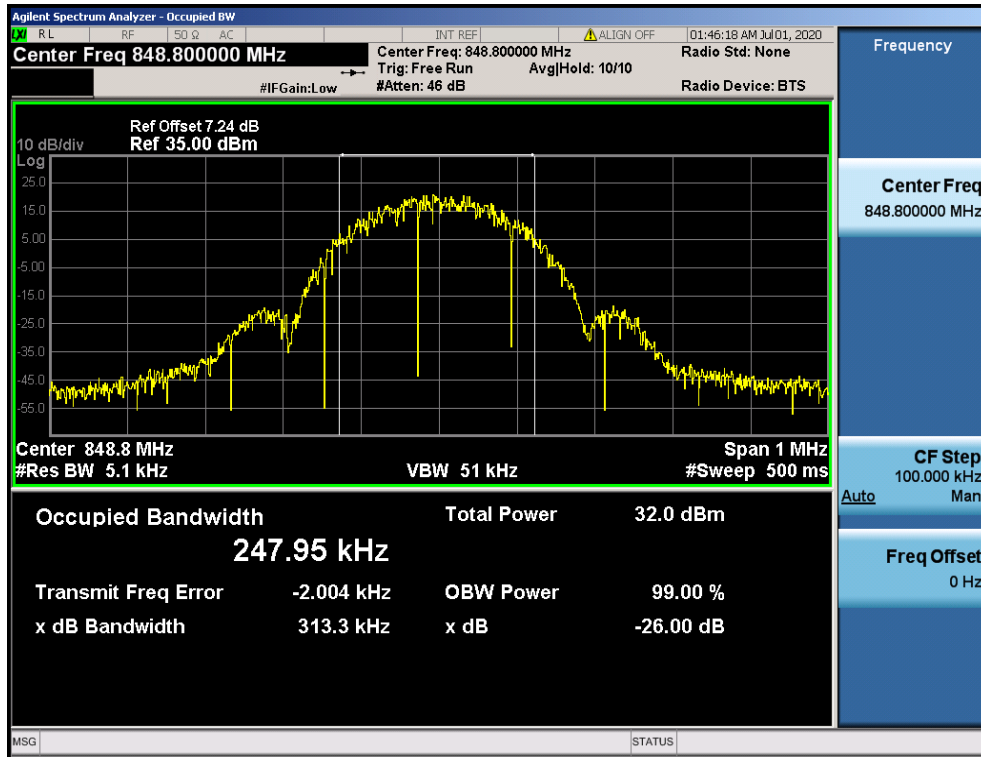
Test Mode=GSM/TM2
Test Channel=LCH



Test Channel=MCH



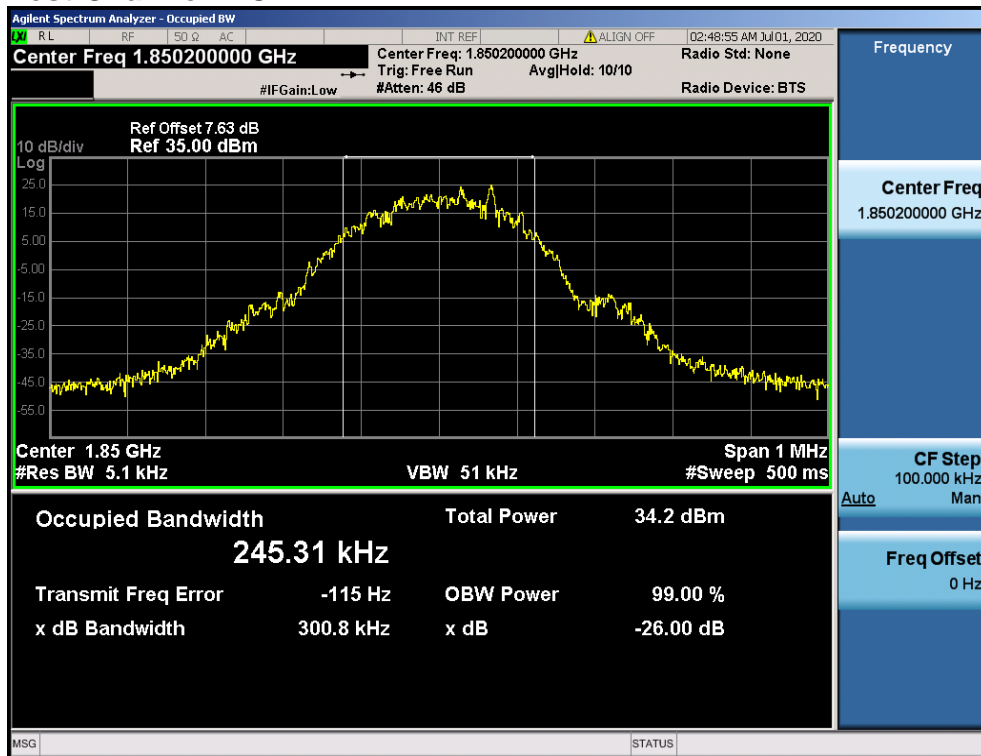
Test Channel=HCH



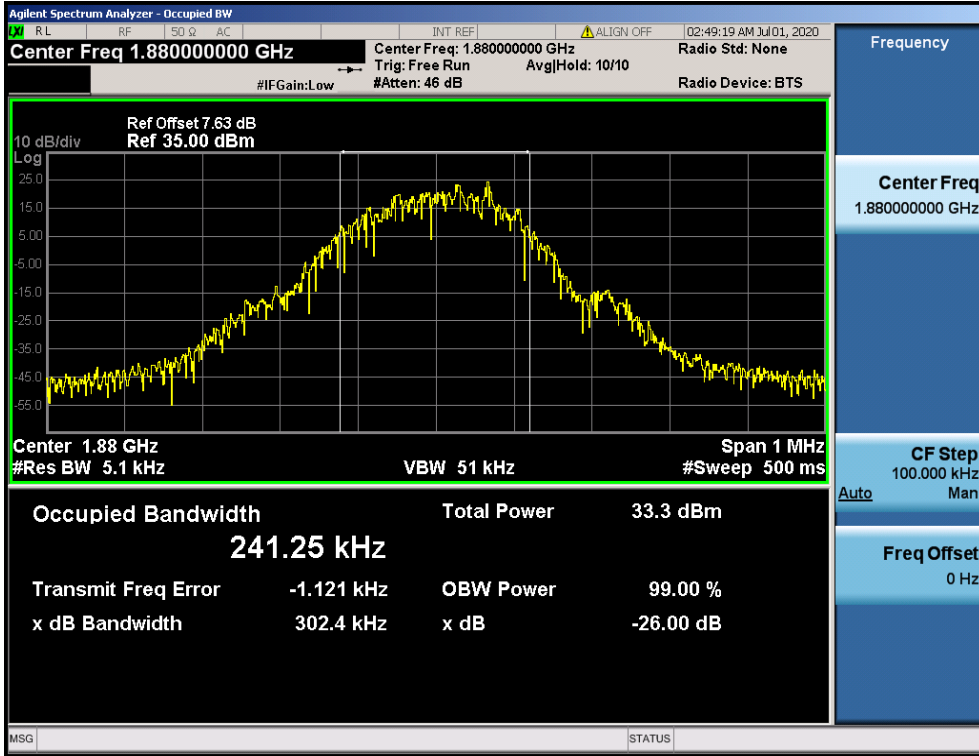
Test Band=GSM1900

Test Mode=GSM/TM1

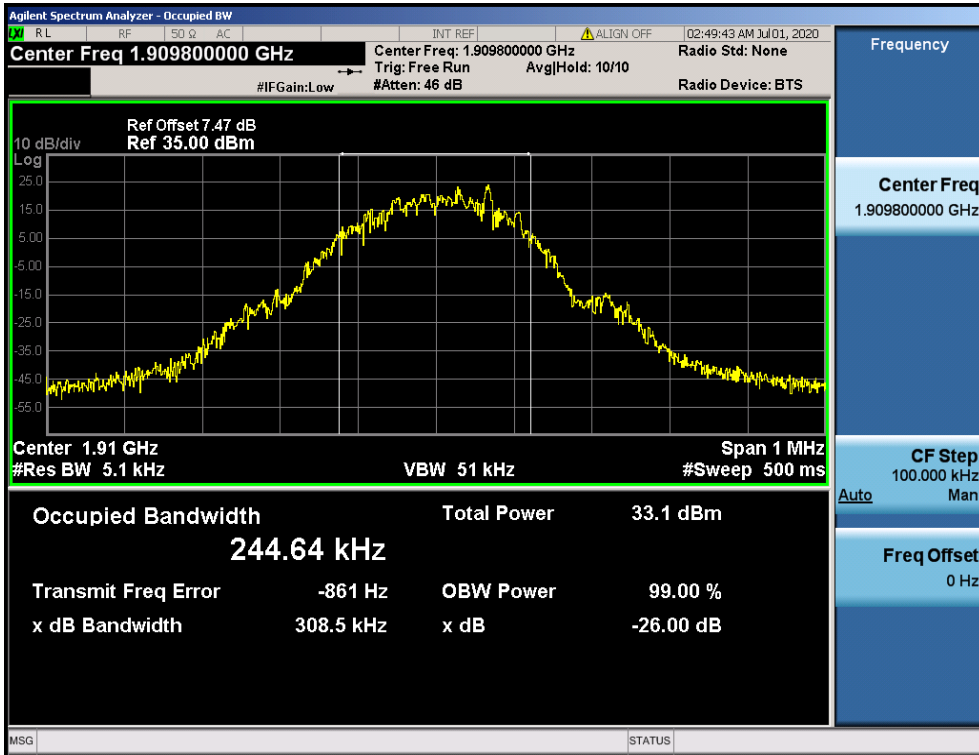
Test Channel=LCH



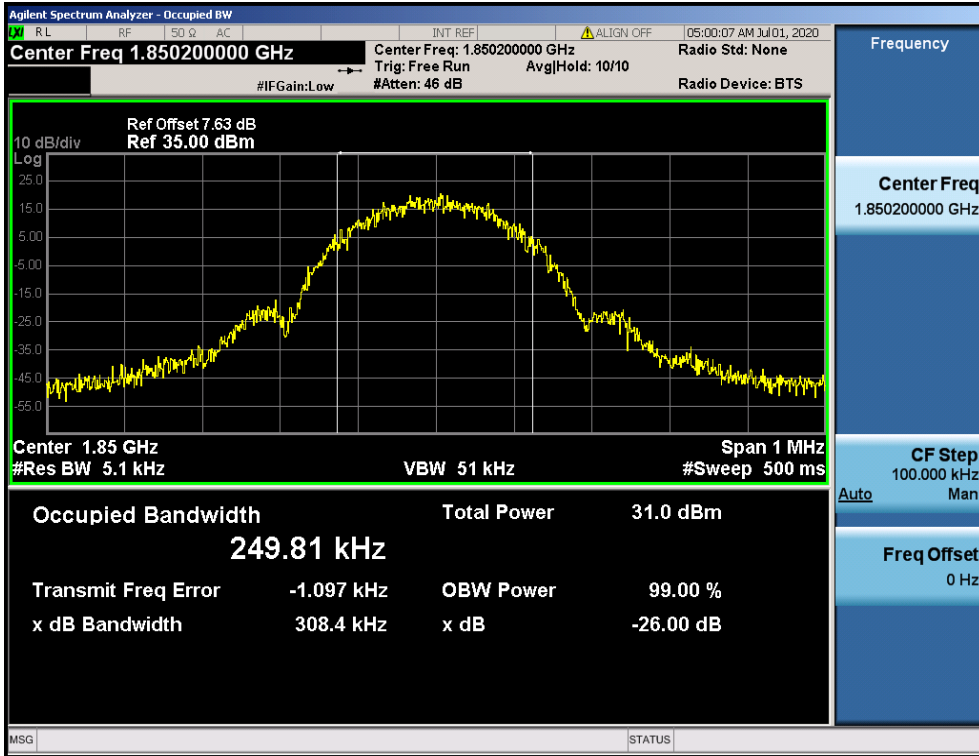
Test Channel=MCH



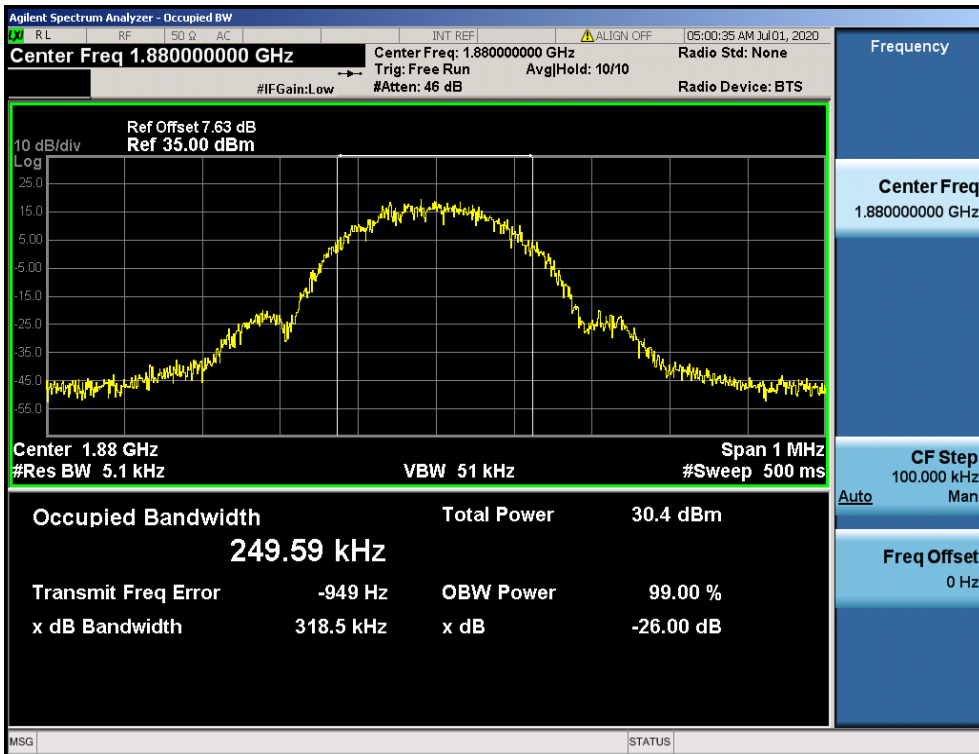
Test Channel=HCH



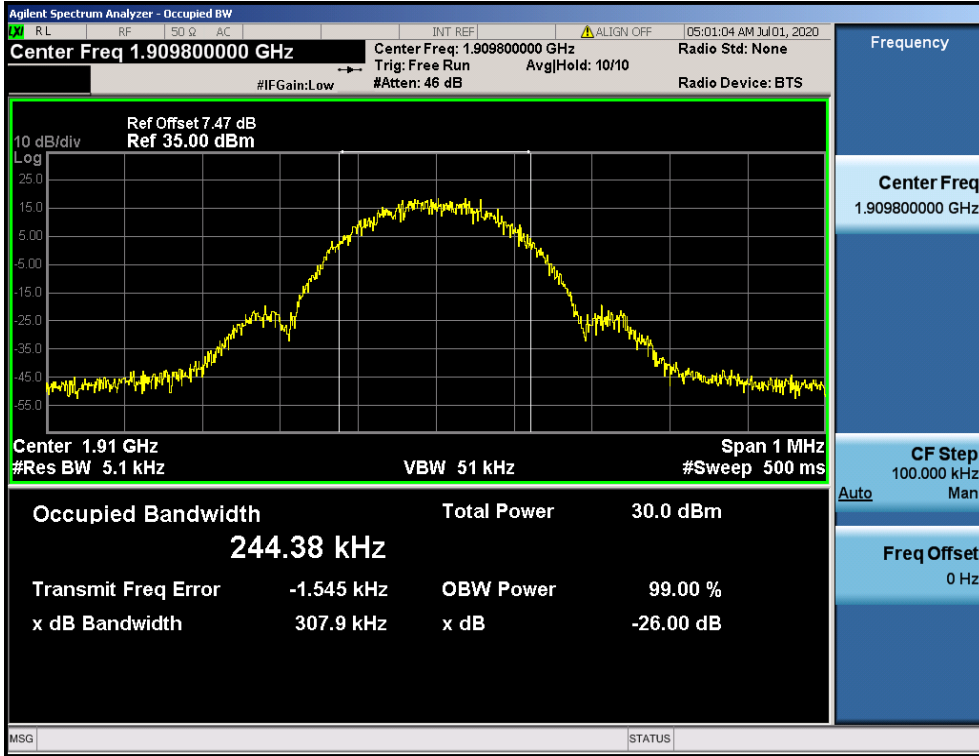
Test Mode=GSM/TM2
Test Channel=LCH



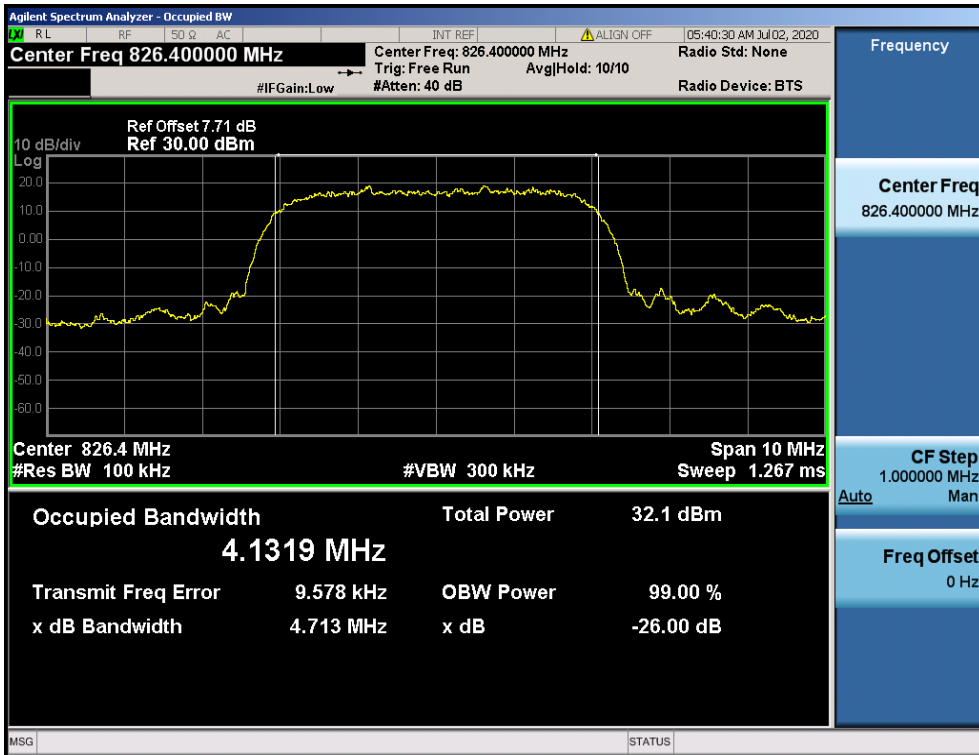
Test Channel=MCH



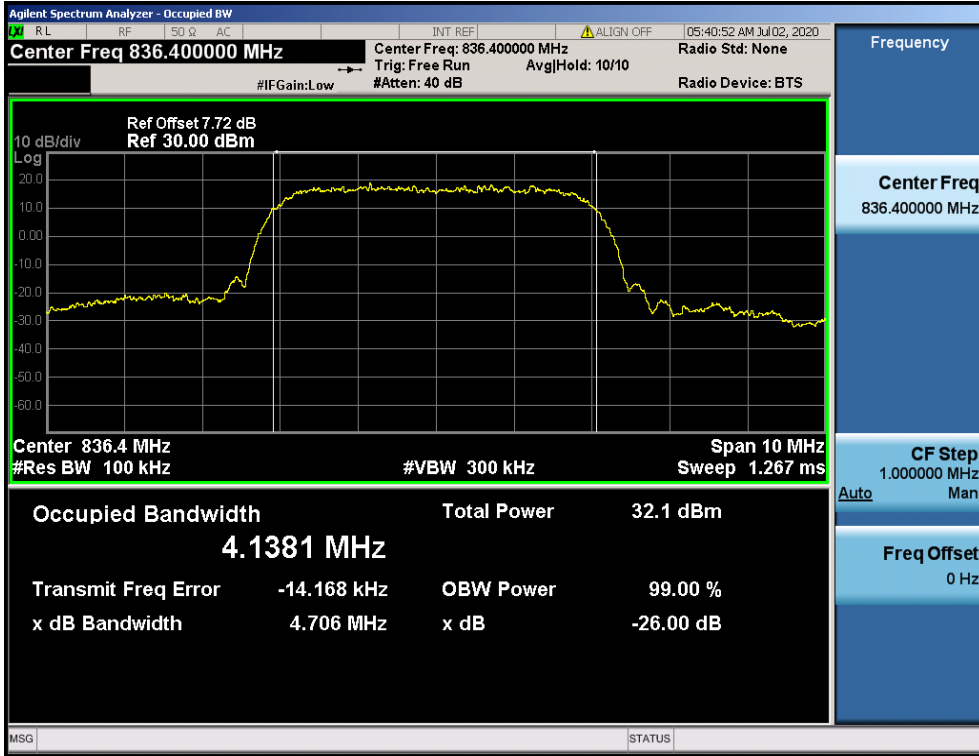
Test Channel=HCH



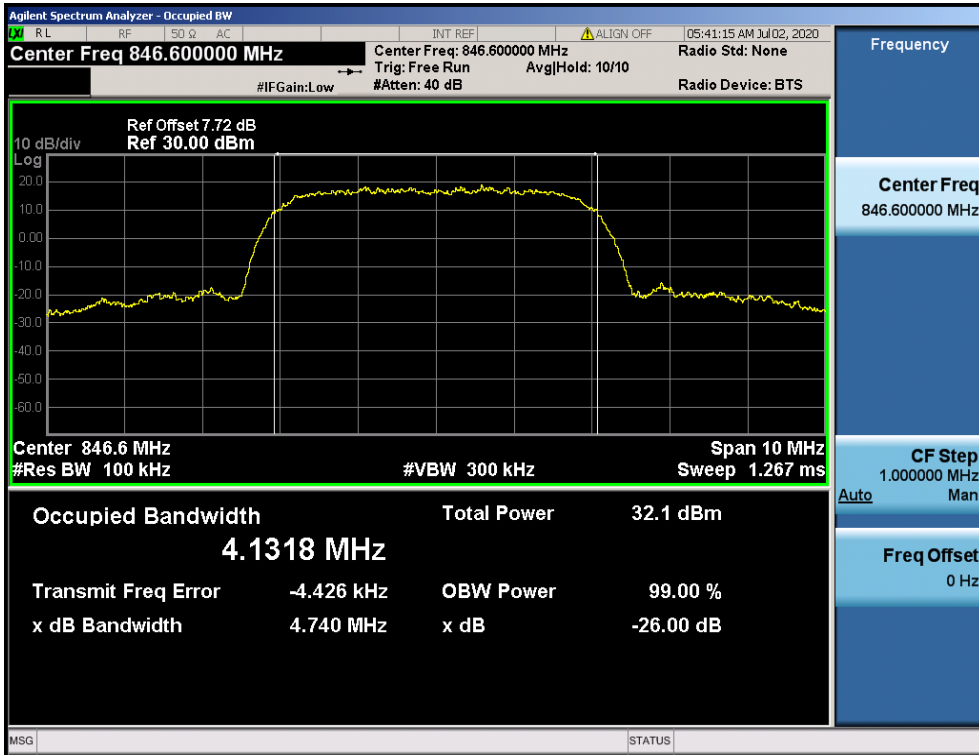
For WCDMA Test Band=WCDMA850 Test Mode=UMTS/TM1 Test Channel=LCH



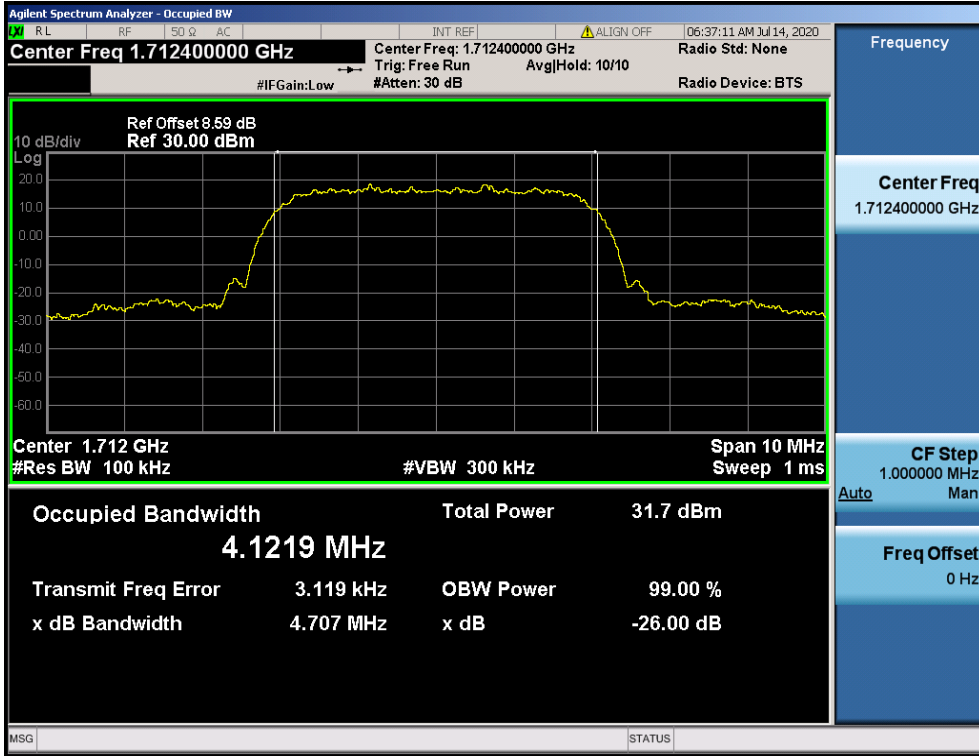
Test Channel=MCH



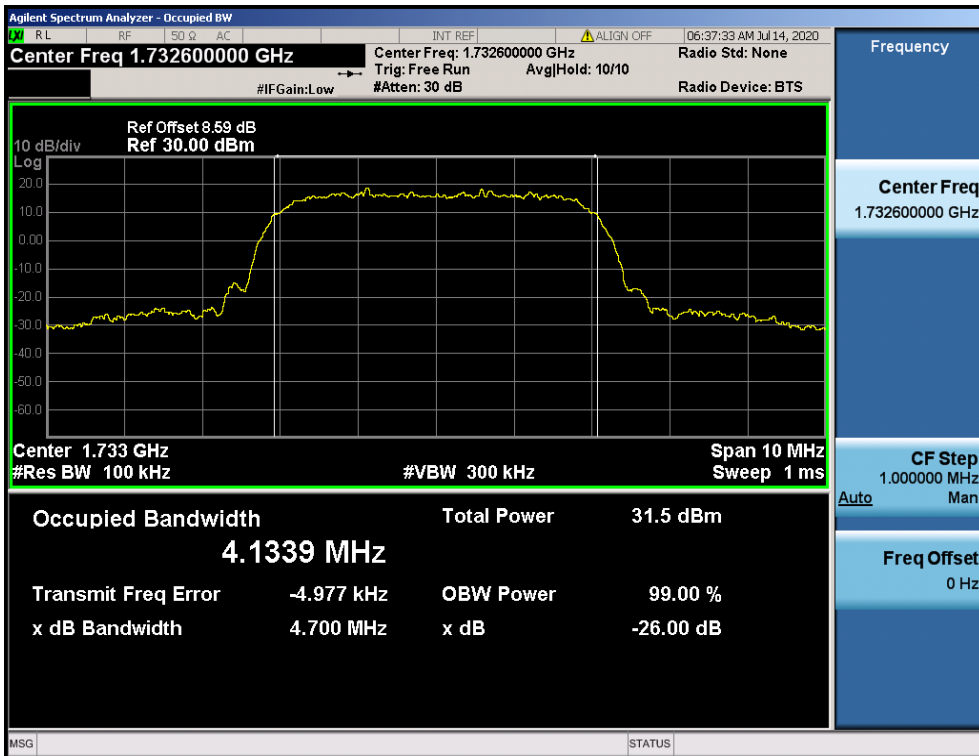
Test Channel=HCH



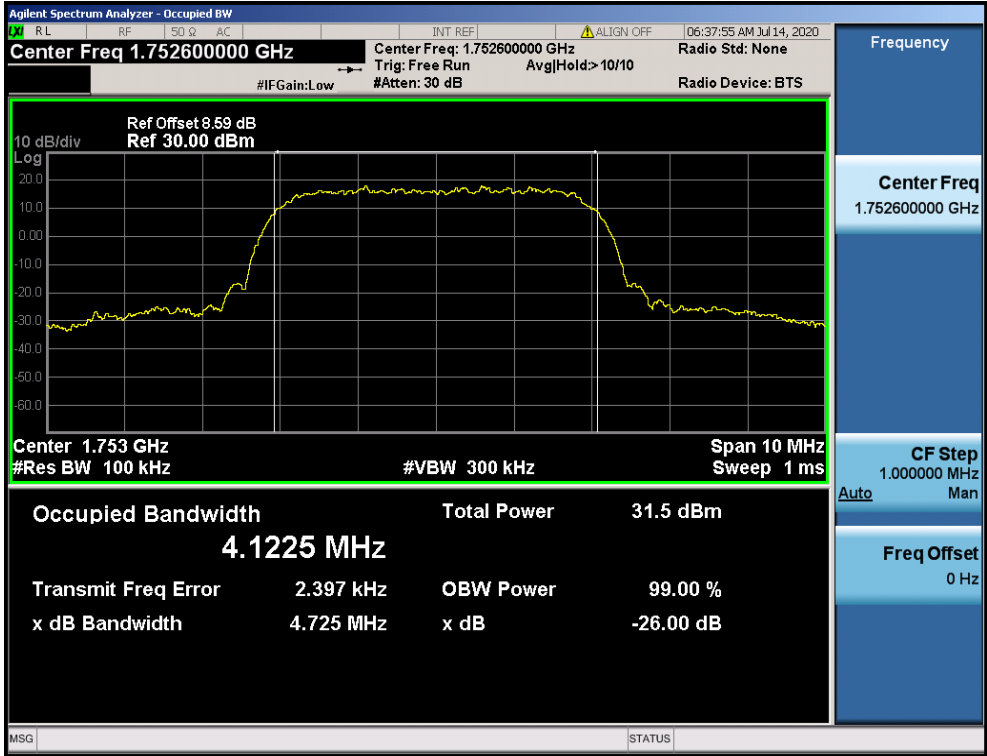
Test Band=WCDMA1700
 Test Mode=UMTS/TM1
 Test Channel=LCH



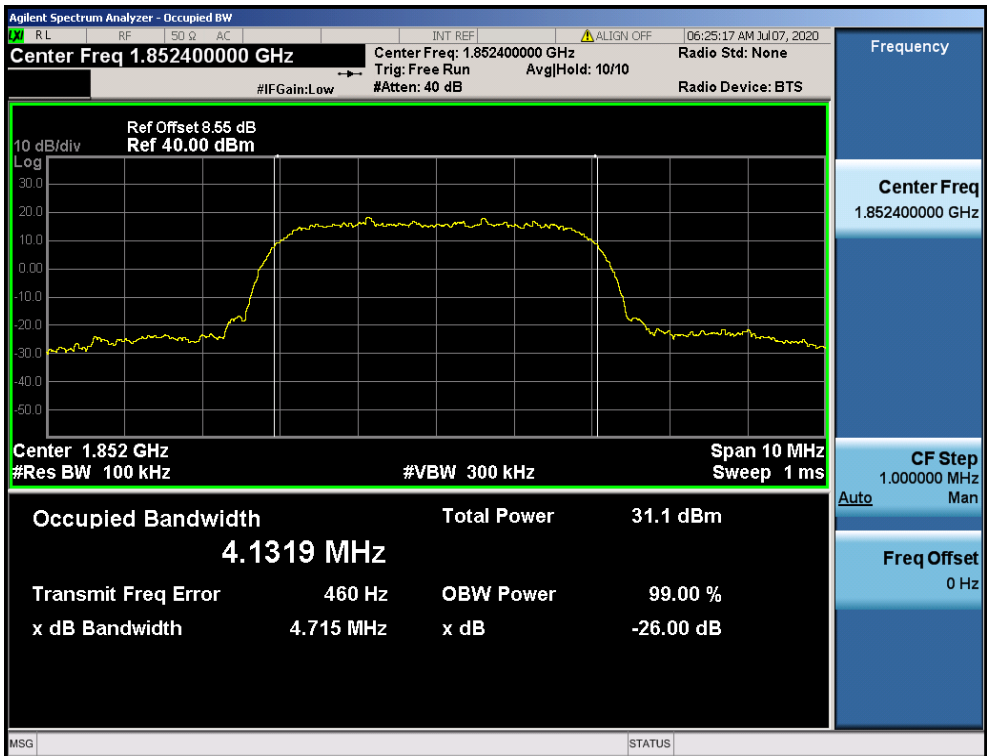
Test Channel=MCH



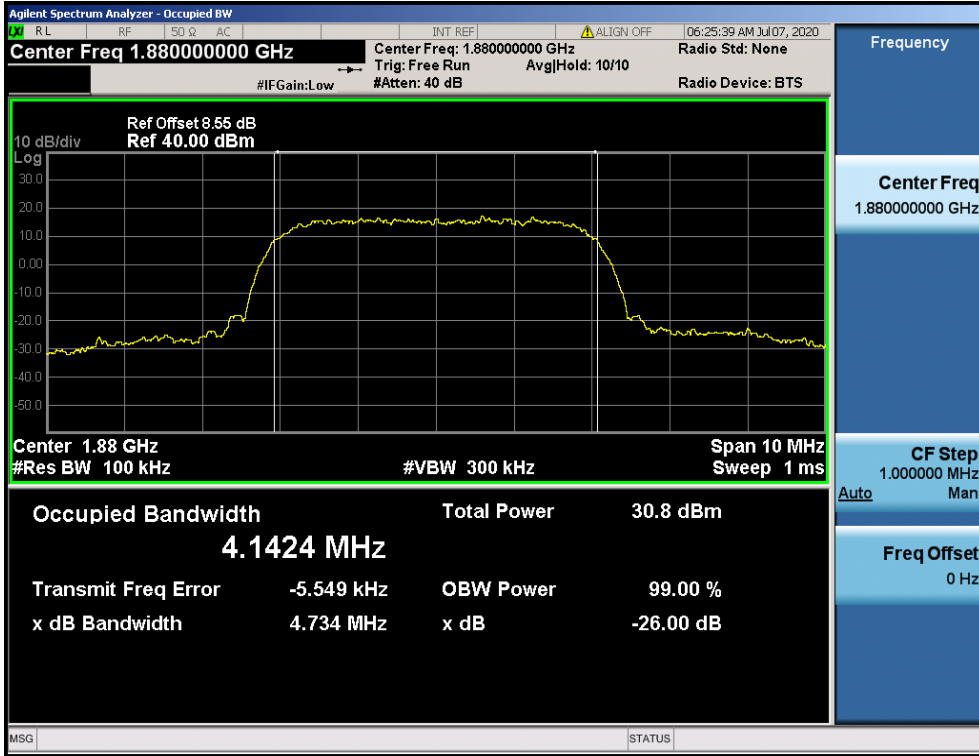
Test Channel=HCH



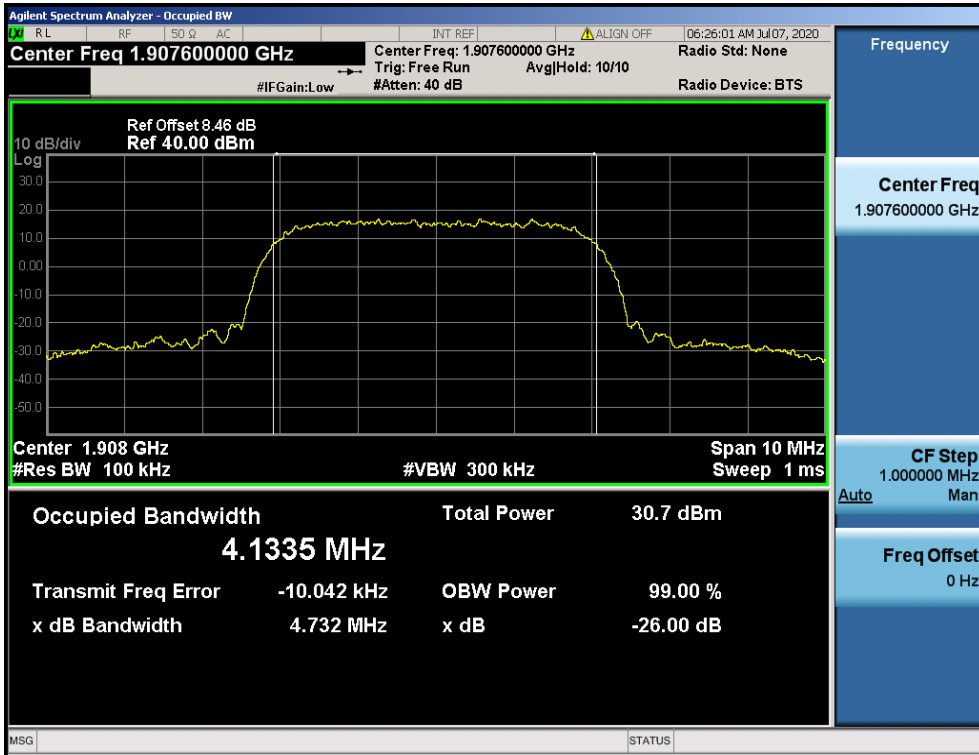
Test Band=WCDMA1900 Test Mode=UMTS/TM1 Test Channel=LCH



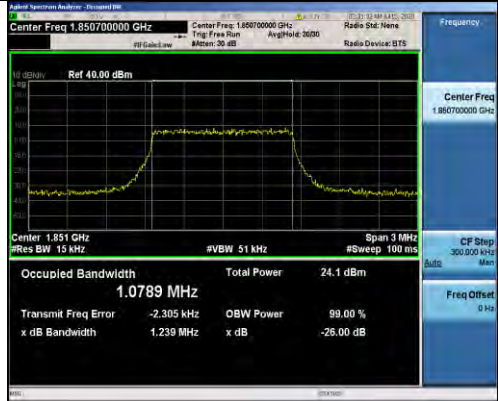
Test Channel=MCH



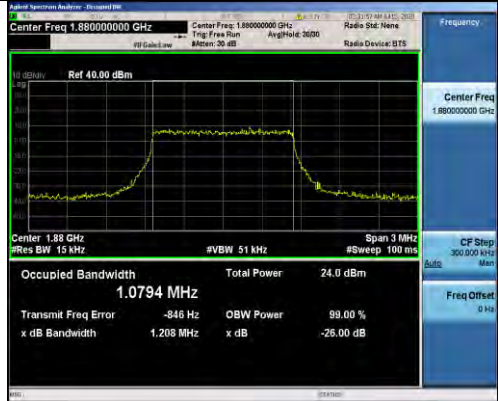
Test Channel=HCH



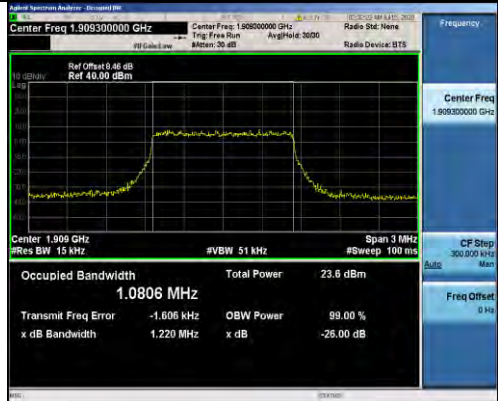
Band2-1.4MHz-QPSK-18607-6RB#0-1.0789



Band2-1.4MHz-QPSK-18900-6RB#0-1.0794



Band2-1.4MHz-QPSK-19193-6RB#0-1.0806



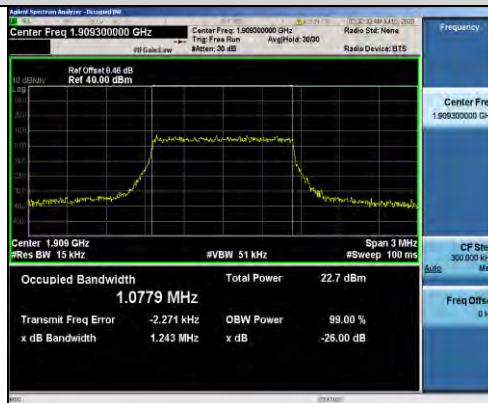
Band2-1.4MHz-16QAM-18607-6RB#0-1.0799



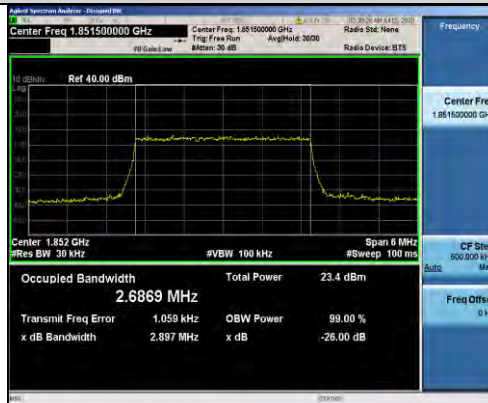
Band2-1.4MHz-16QAM-18900-6RB#0-1.0784



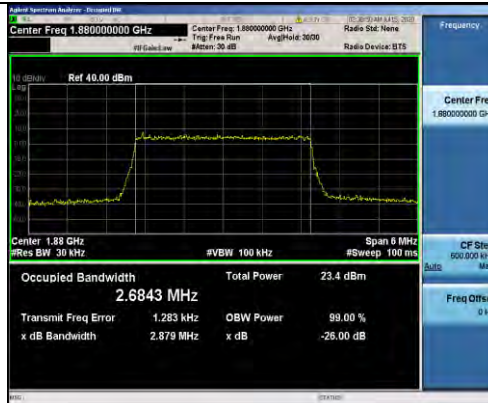
Band2-1.4MHz-16QAM-19193-6RB#0-1.0779



Band2-3MHz-QPSK-18615-15RB#0-2.6869



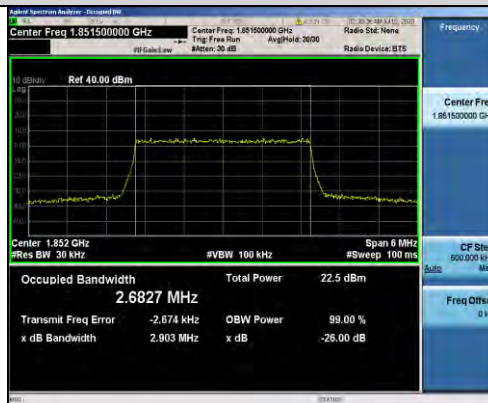
Band2-3MHz-QPSK-18900-15RB#0-2.6843



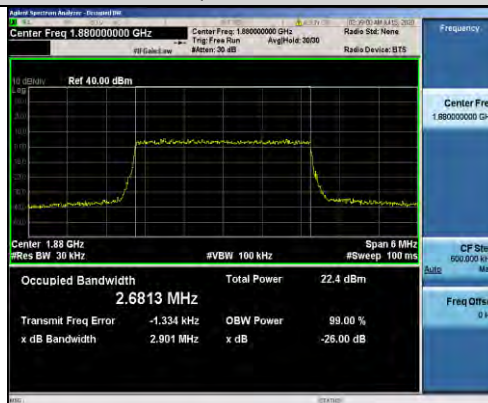
Band2-3MHz-QPSK-19185-15RB#0-2.6822



Band2-3MHz-16QAM-18615-15RB#0-2.6827



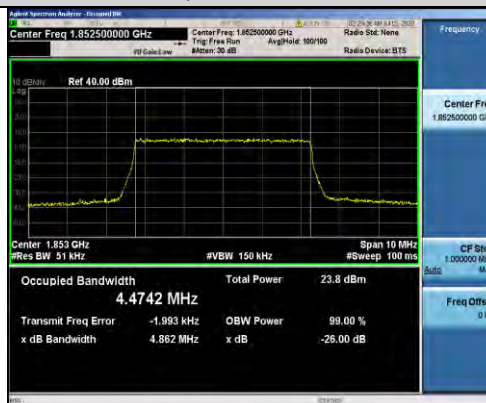
Band2-3MHz-16QAM-18900-15RB#0-2.6813



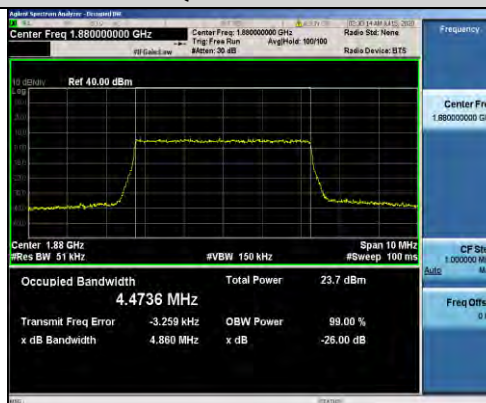
Band2-3MHz-16QAM-19185-15RB#0-2.6810



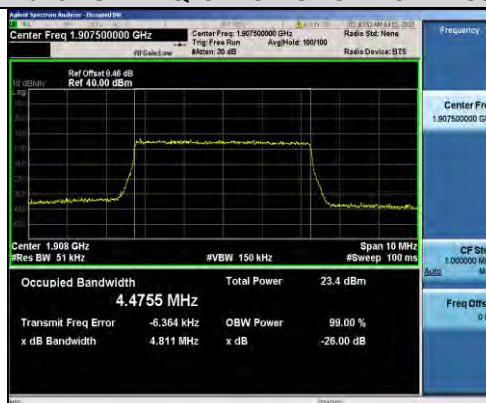
Band2-5MHz-QPSK-18625-25RB#0-4.4742



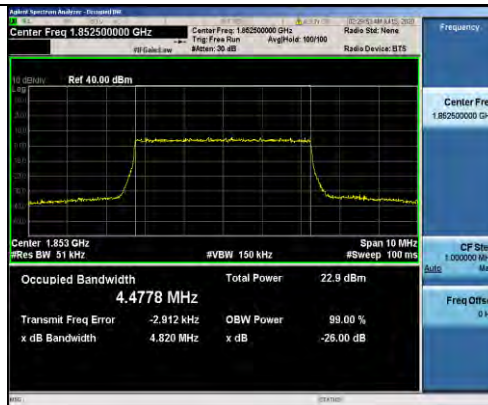
Band2-5MHz-QPSK-18900-25RB#0-4.4736



Band2-5MHz-QPSK-19175-25RB#0-4.4755



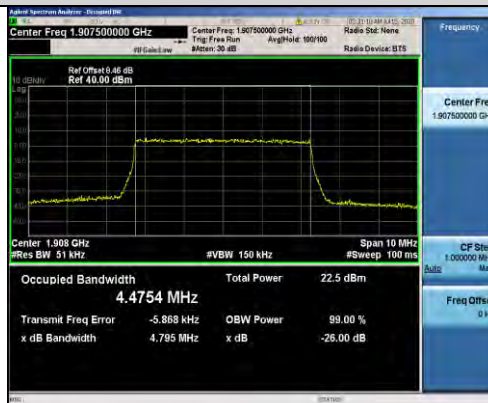
Band2-5MHz-16QAM-18625-25RB#0-4.4778



Band2-5MHz-16QAM-18900-25RB#0-4.4720



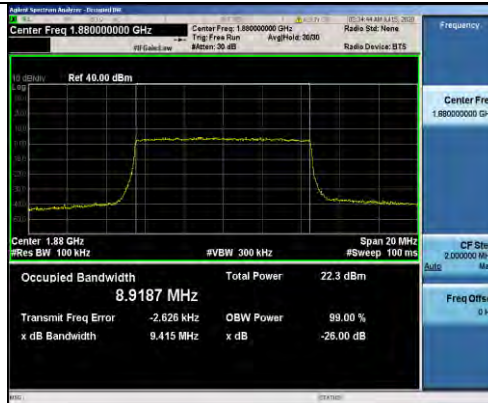
Band2-5MHz-16QAM-19175-25RB#0-4.4754



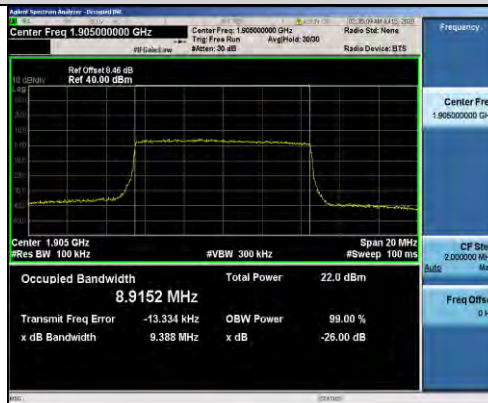
Band2-10MHz-QPSK-18650-50RB#0-8.9296



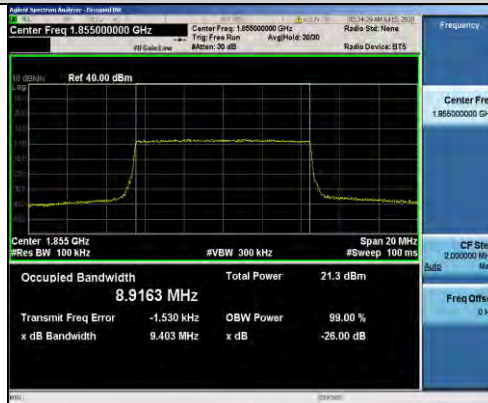
Band2-10MHz-QPSK-18900-50RB#0-8.9187



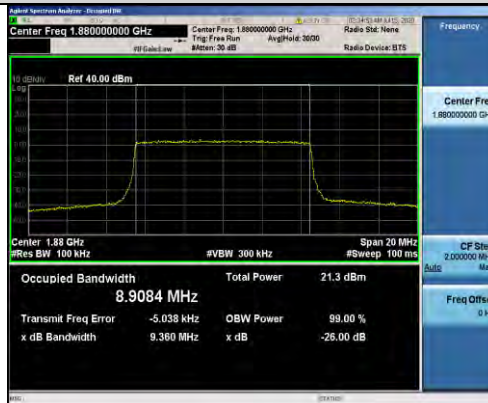
Band2-10MHz-QPSK-19150-50RB#0-8.9152



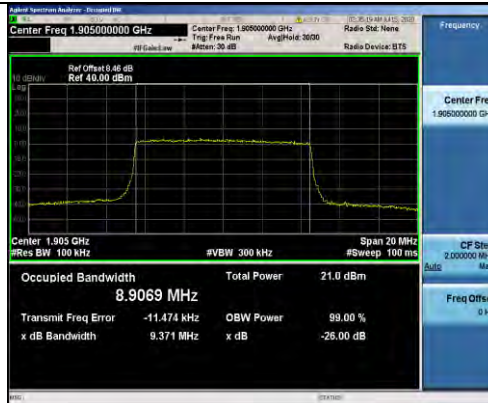
Band2-10MHz-16QAM-18650-50RB#0-8.9163



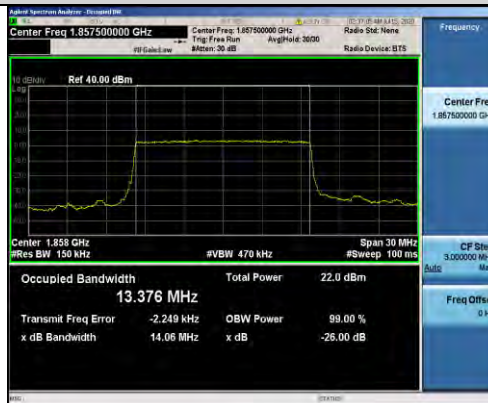
Band2-10MHz-16QAM-18900-50RB#0-8.9084



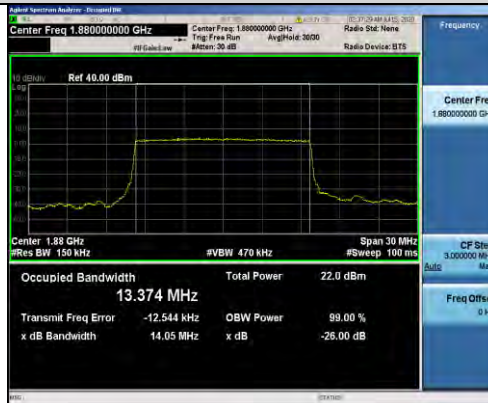
Band2-10MHz-16QAM-19150-50RB#0-8.9069



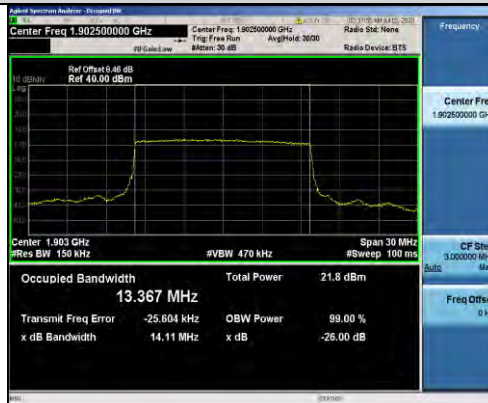
Band2-15MHz-QPSK-18675-75RB#0-13.376



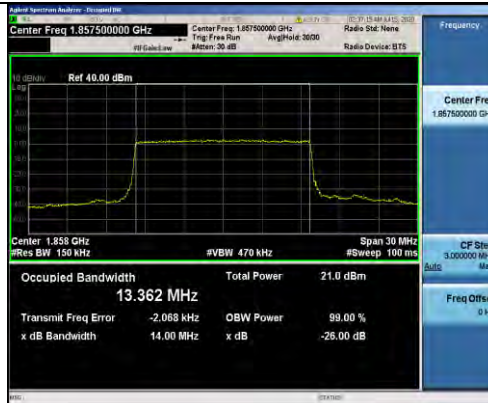
Band2-15MHz-QPSK-18900-75RB#0-13.374



Band2-15MHz-QPSK-19125-75RB#0-13.367



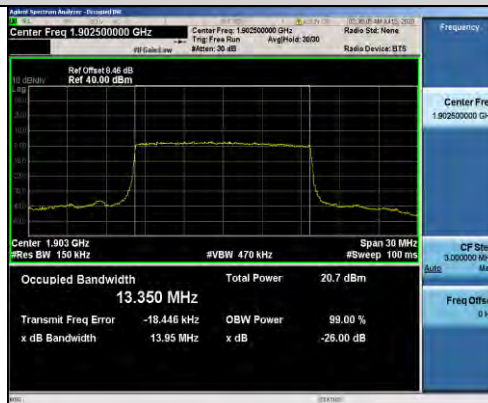
Band2-15MHz-16QAM-18675-75RB#0-13.362



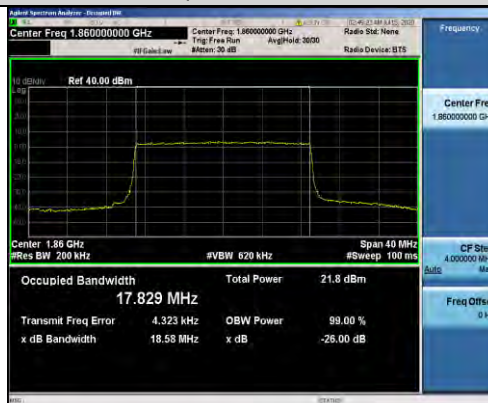
Band2-15MHz-16QAM-18900-75RB#0-13.362



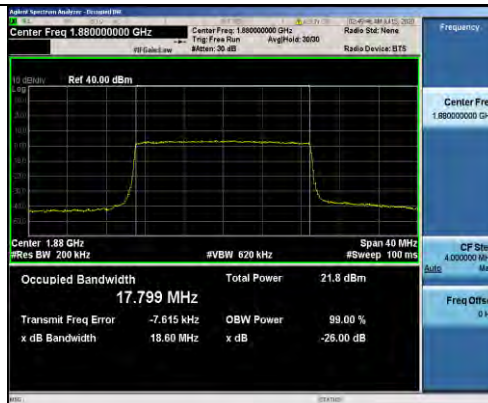
Band2-15MHz-16QAM-19125-75RB#0-13.350



Band2-20MHz-QPSK-18700-100RB#0-17.829



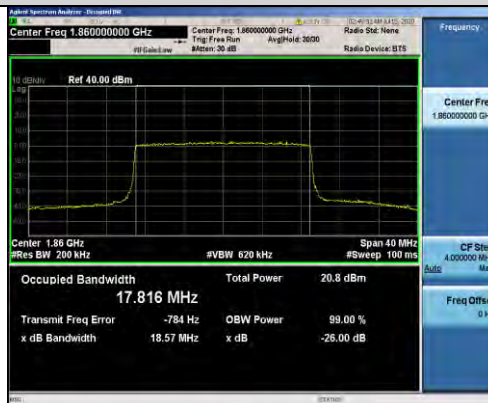
Band2-20MHz-QPSK-18900-100RB#0-17.799



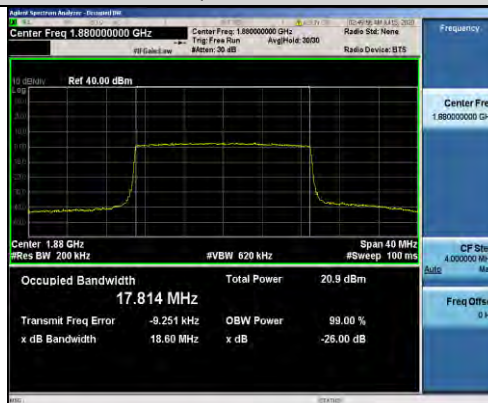
Band2-20MHz-QPSK-19100-100RB#0-17.786



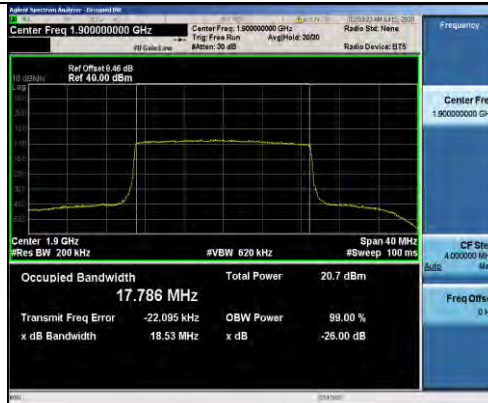
Band2-20MHz-16QAM-18700-100RB#0-17.816



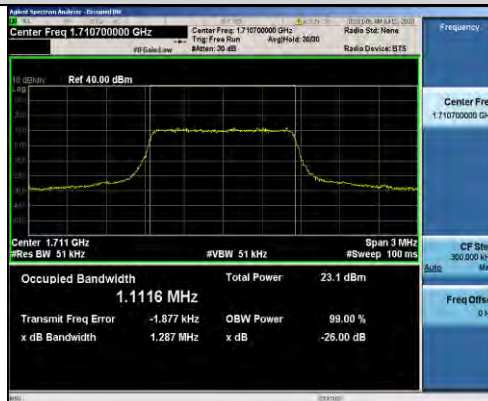
Band2-20MHz-16QAM-18900-100RB#0-17.814



Band2-20MHz-16QAM-19100-100RB#0-17.786



Band4-1.4MHz-QPSK-19957-6RB#0-1.1116



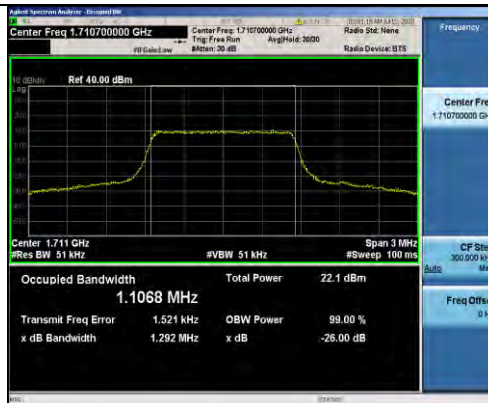
Band4-1.4MHz-QPSK-20175-6RB#0-1.1087



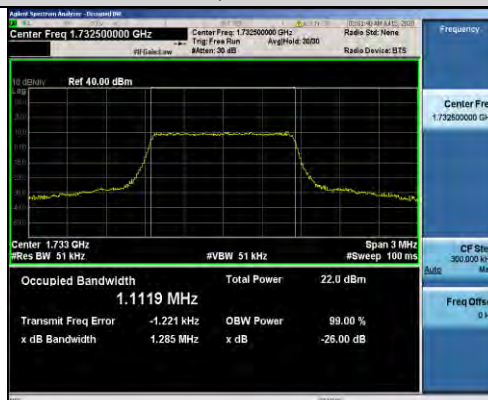
Band4-1.4MHz-QPSK-20393-6RB#0-1.1103



Band4-1.4MHz-16QAM-19957-6RB#0-1.1068



Band4-1.4MHz-16QAM-20175-6RB#0-1.1119



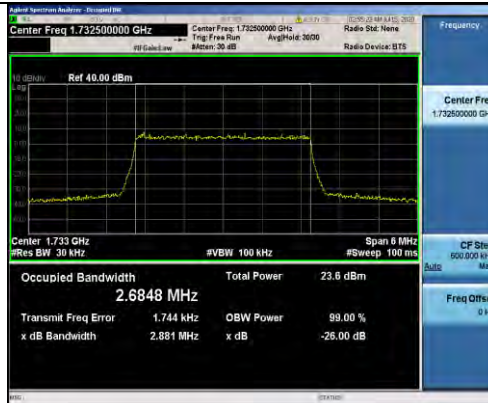
Band4-1.4MHz-16QAM-20393-6RB#0-1.1078



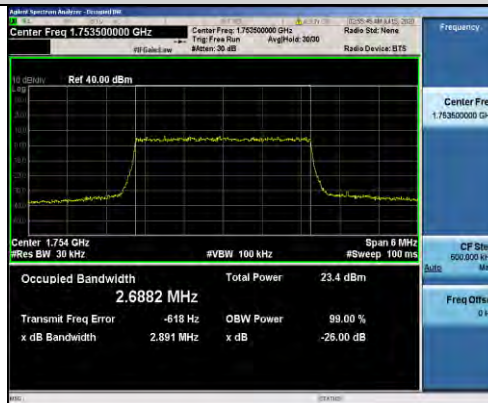
Band4-3MHz-QPSK-19965-15RB#0-2.6860



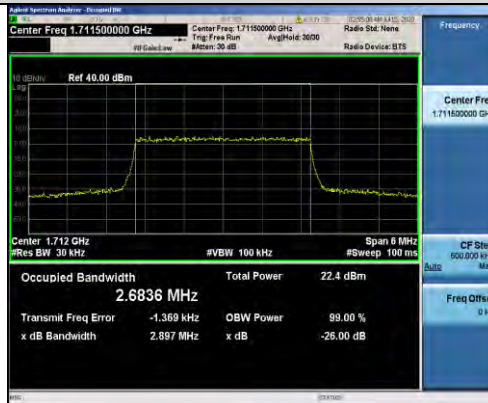
Band4-3MHz-QPSK-20175-15RB#0-2.6848



Band4-3MHz-QPSK-20385-15RB#0-2.6882



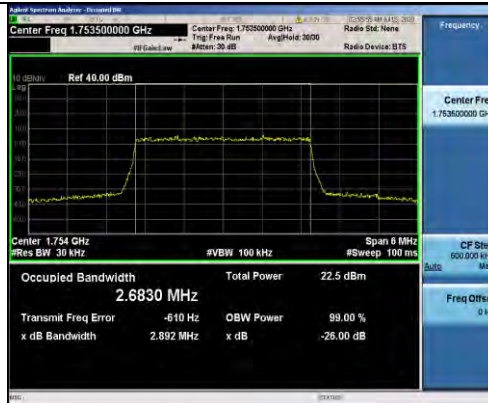
Band4-3MHz-16QAM-19965-15RB#0-2.6836



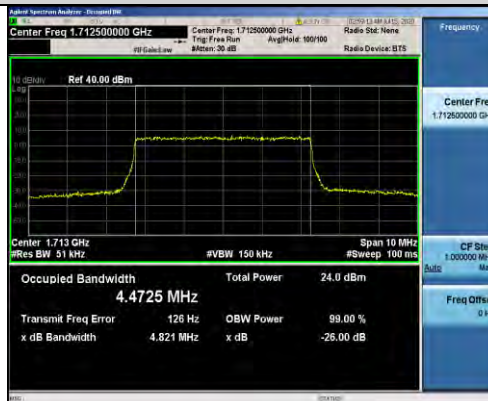
Band4-3MHz-16QAM-20175-15RB#0-2.6804



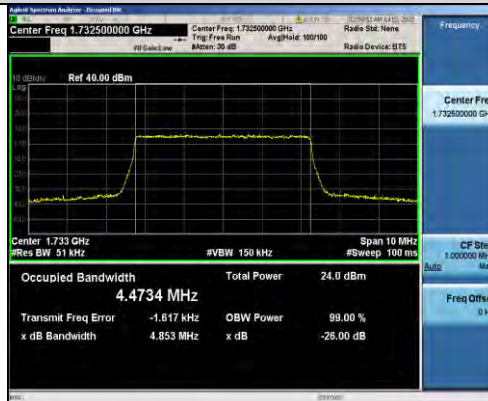
Band4-3MHz-16QAM-20385-15RB#0-2.6830



Band4-5MHz-QPSK-19975-25RB#0-4.4725



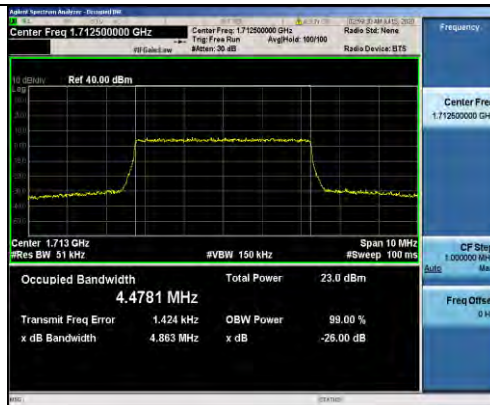
Band4-5MHz-QPSK-20175-25RB#0-4.4734



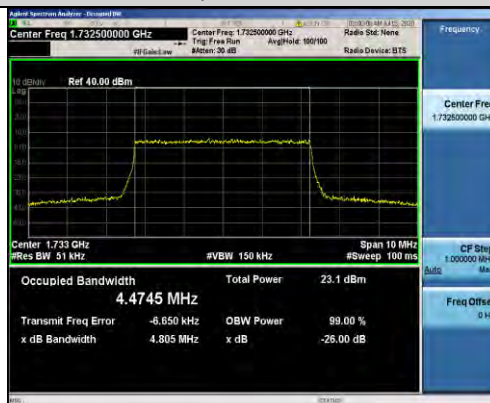
Band4-5MHz-QPSK-20375-25RB#0-4.4716



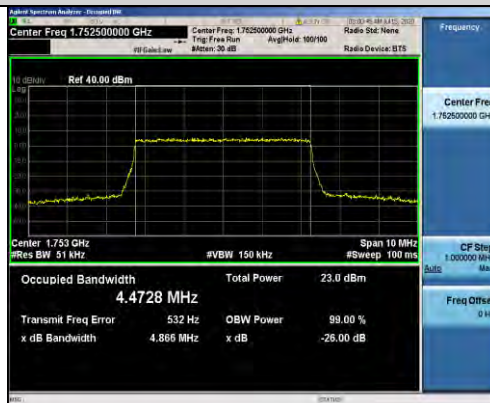
Band4-5MHz-16QAM-19975-25RB#0-4.4781



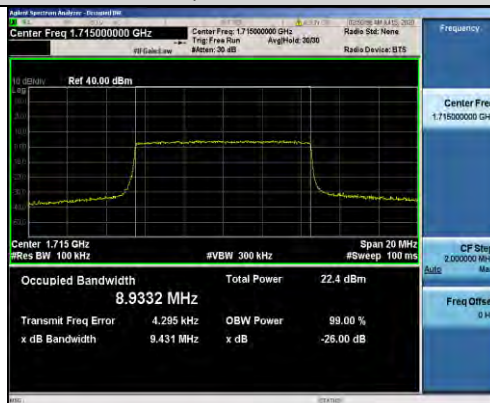
Band4-5MHz-16QAM-20175-25RB#0-4.4745



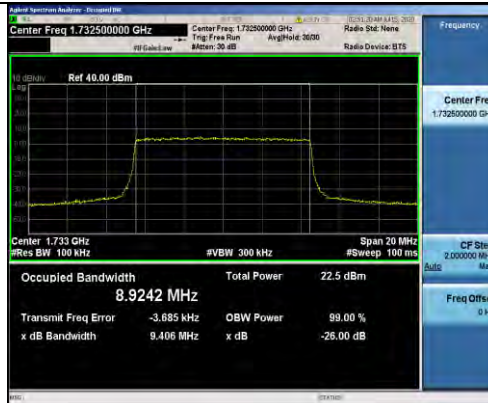
Band4-5MHz-16QAM-20375-25RB#0-4.4728



Band4-10MHz-QPSK-20000-50RB#0-8.9332



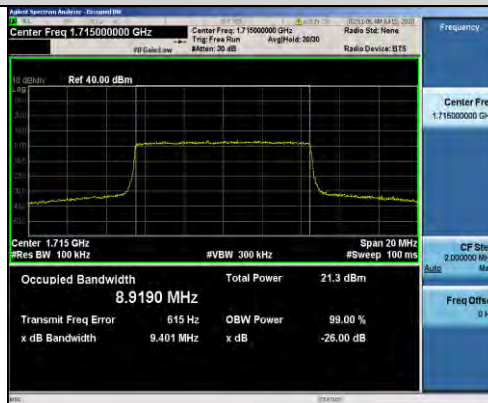
Band4-10MHz-QPSK-20175-50RB#0-8.9242



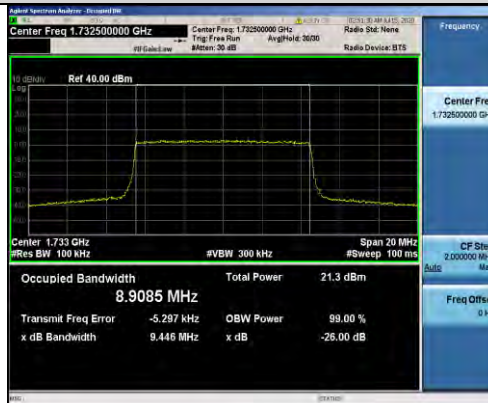
Band4-10MHz-QPSK-20350-50RB#0-8.9177



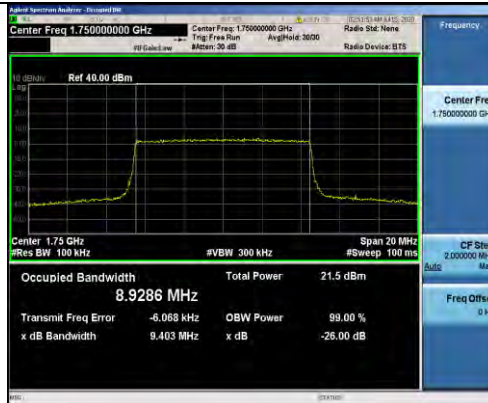
Band4-10MHz-16QAM-20000-50RB#0-8.9190



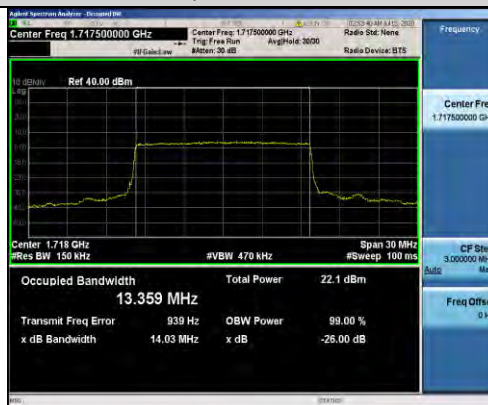
Band4-10MHz-16QAM-20175-50RB#0-8.9085



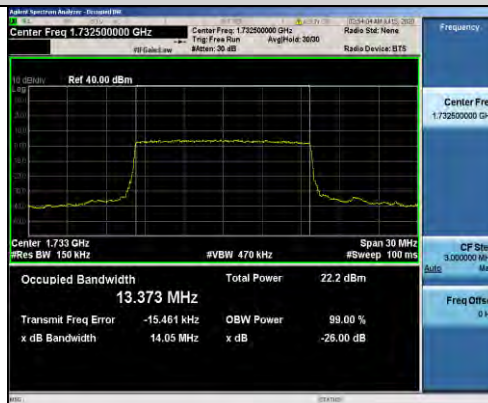
Band4-10MHz-16QAM-20350-50RB#0-8.9286



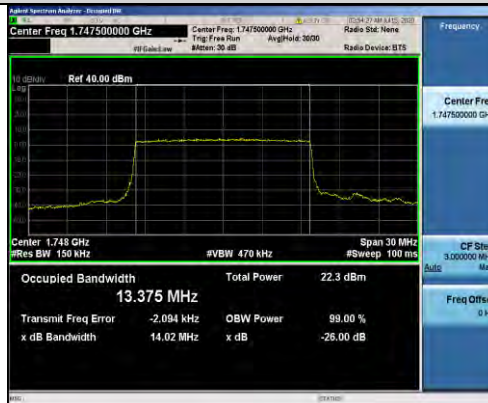
Band4-15MHz-QPSK-20025-75RB#0-13.359



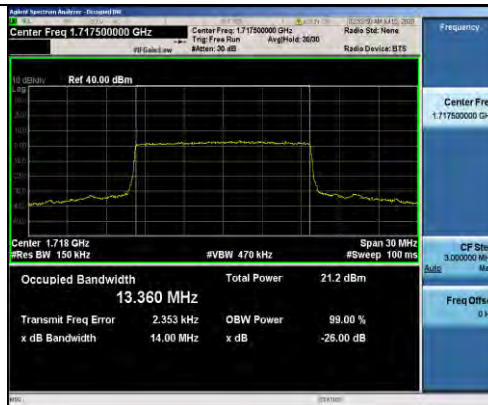
Band4-15MHz-QPSK-20175-75RB#0-13.373



Band4-15MHz-QPSK-20325-75RB#0-13.375



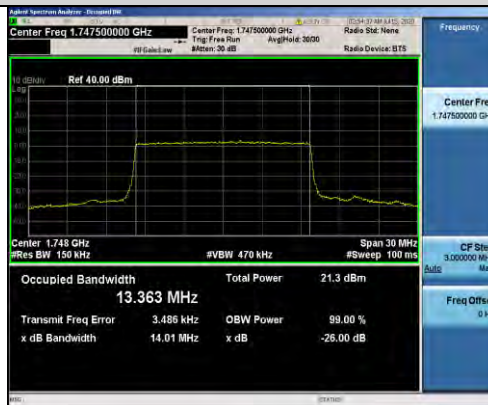
Band4-15MHz-16QAM-20025-75RB#0-13.360



Band4-15MHz-16QAM-20175-75RB#0-13.366



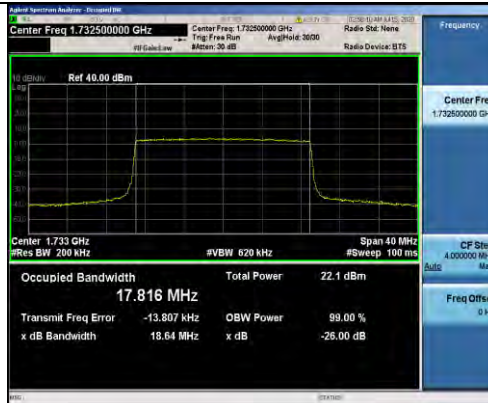
Band4-15MHz-16QAM-20325-75RB#0-13.363



Band4-20MHz-QPSK-20050-100RB#0-17.798



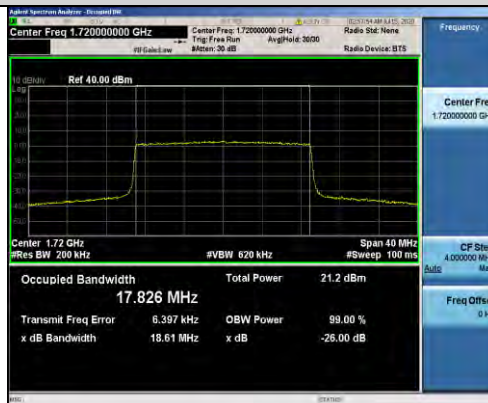
Band4-20MHz-QPSK-20175-100RB#0-17.816



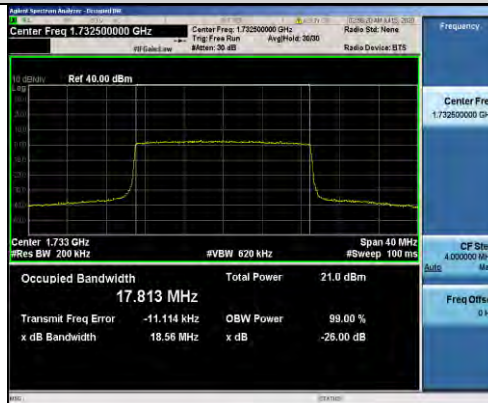
Band4-20MHz-QPSK-20300-100RB#0-17.825



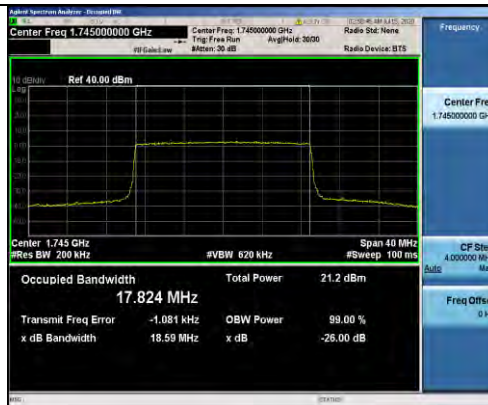
Band4-20MHz-16QAM-20050-100RB#0-17.826



Band4-20MHz-16QAM-20175-100RB#0-17.813



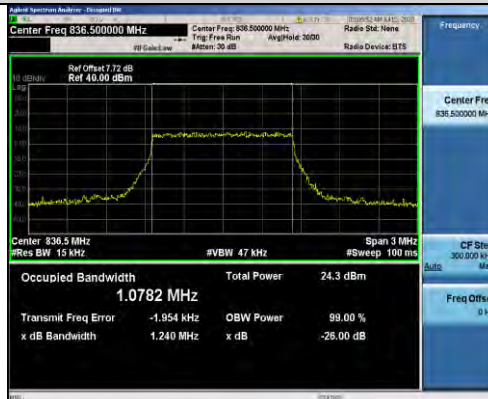
Band4-20MHz-16QAM-20300-100RB#0-17.824



Band5-1.4MHz-QPSK-20407-6RB#0-1.0798



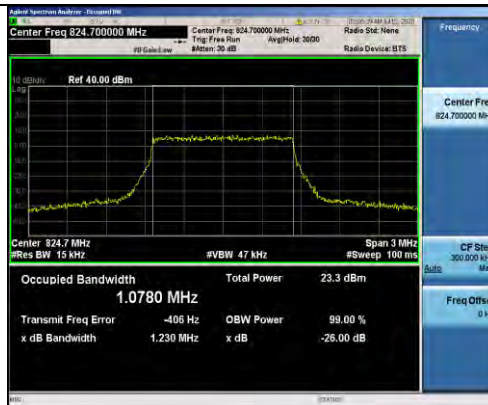
Band5-1.4MHz-QPSK-20525-6RB#0-1.0782



Band5-1.4MHz-QPSK-20643-6RB#0-1.0802



Band5-1.4MHz-16QAM-20407-6RB#0-1.0780



Band5-1.4MHz-16QAM-20525-6RB#0-1.0779



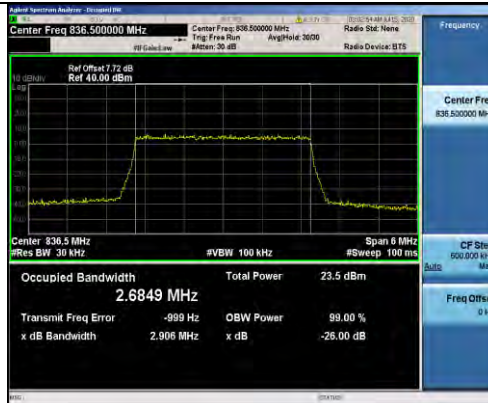
Band5-1.4MHz-16QAM-20643-6RB#0-1.0780



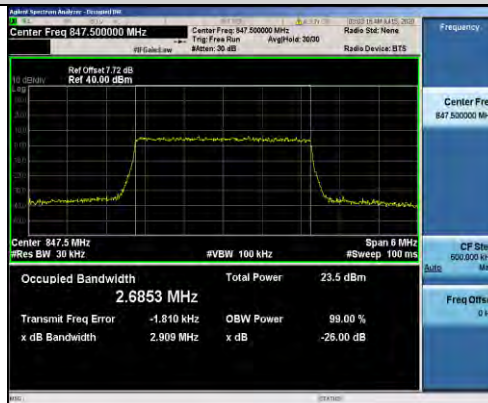
Band5-3MHz-QPSK-20415-15RB#0-2.6799



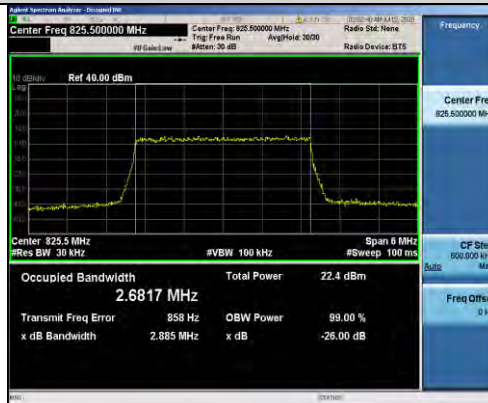
Band5-3MHz-QPSK-20525-15RB#0-2.6849



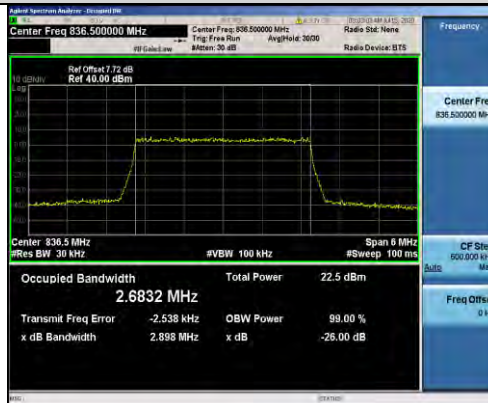
Band5-3MHz-QPSK-20635-15RB#0-2.6853



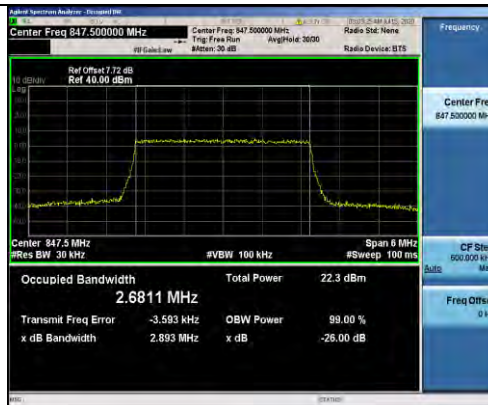
Band5-3MHz-16QAM-20415-15RB#0-2.6817



Band5-3MHz-16QAM-20525-15RB#0-2.6832



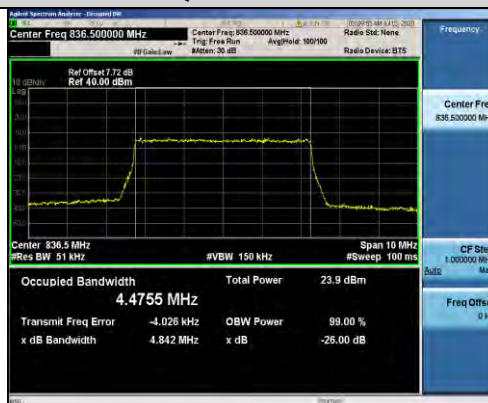
Band5-3MHz-16QAM-20635-15RB#0-2.6811



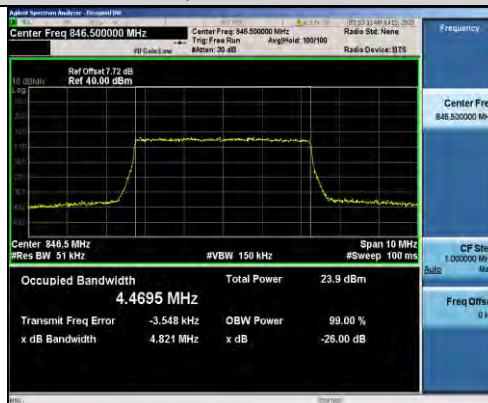
Band5-5MHz-QPSK-20425-25RB#0-4.4709



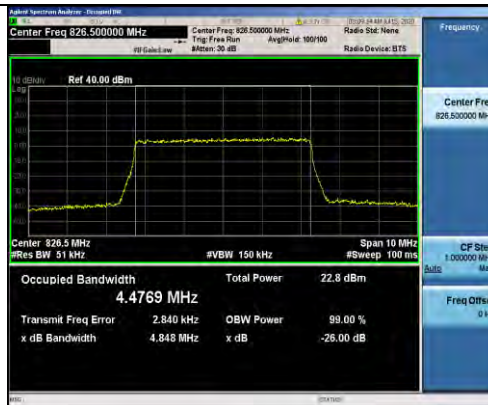
Band5-5MHz-QPSK-20525-25RB#0-4.4755



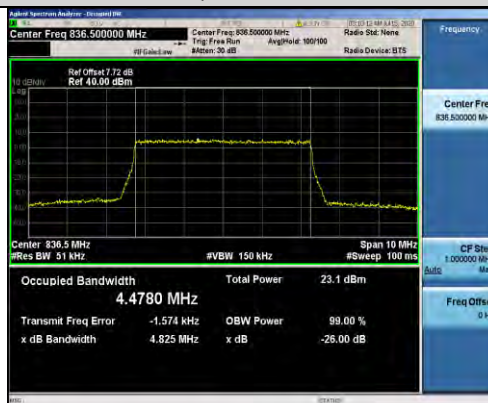
Band5-5MHz-QPSK-20625-25RB#0-4.4695



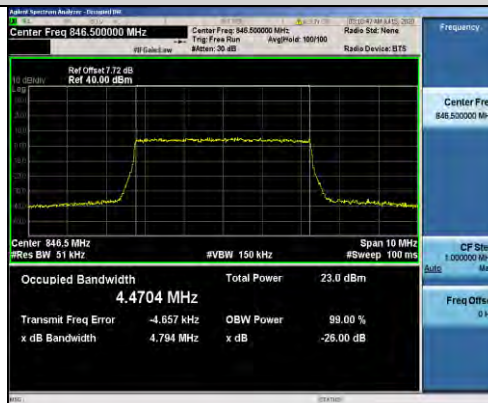
Band5-5MHz-16QAM-20425-25RB#0-4.4769



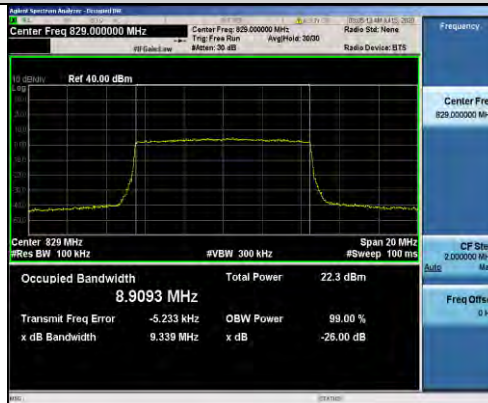
Band5-5MHz-16QAM-20525-25RB#0-4.4780



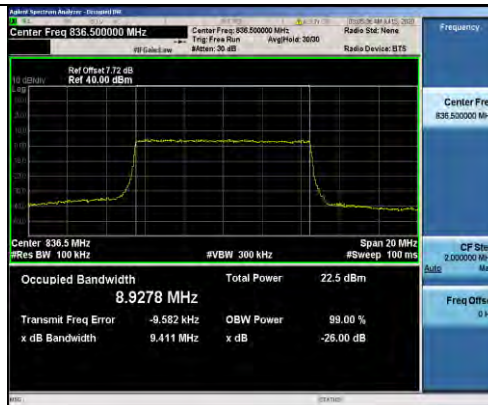
Band5-5MHz-16QAM-20625-25RB#0-4.4704



Band5-10MHz-QPSK-20450-50RB#0-8.9093



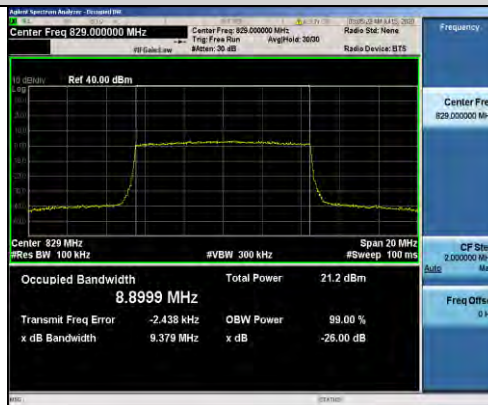
Band5-10MHz-QPSK-20525-50RB#0-8.9278



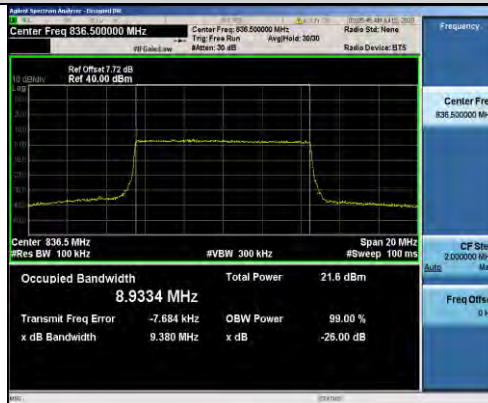
Band5-10MHz-QPSK-20600-50RB#0-8.9035



Band5-10MHz-16QAM-20450-50RB#0-8.8999



Band5-10MHz-16QAM-20525-50RB#0-8.9334



Band5-10MHz-16QAM-20600-50RB#0-8.9025