

Band4	5MHz	16QAM	20375	25RB#0	6.42	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.59	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	6.28	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	6.44	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.32	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.29	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.45	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.44	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	6.15	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	6.24	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.19	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.17	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.22	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.43	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.37	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.31	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.43	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.48	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.47	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.83	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	6.08	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.00	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.59	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.01	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.88	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.88	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	6.04	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.14	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.67	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.05	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.04	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.96	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.67	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.13	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.10	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.71	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	6.25	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.51	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.27	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.35	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	6.07	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.37	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.02	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.99	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.28	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.96	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.40	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.44	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	6.06	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.20	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.26	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.96	13	PASS

Band12	5MHz	QPSK	23035	25RB#0	5.55	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.57	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	6.05	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.25	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.29	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.04	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.67	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.49	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	6.25	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.40	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.28	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.27	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.76	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	6.30	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.55	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.43	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.30	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.21	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.52	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	6.37	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.63	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.38	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.36	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.35	13	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	5.36	13	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	5.42	13	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	5.75	13	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	6.23	13	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	6.20	13	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	6.52	13	PASS
Band26	3MHz	QPSK	26705	15RB#0	5.40	13	PASS
Band26	3MHz	QPSK	26740	15RB#0	5.42	13	PASS
Band26	3MHz	QPSK	26775	15RB#0	5.74	13	PASS
Band26	3MHz	16QAM	26705	15RB#0	6.20	13	PASS
Band26	3MHz	16QAM	26740	15RB#0	6.38	13	PASS
Band26	3MHz	16QAM	26775	15RB#0	6.41	13	PASS
Band26	5MHz	QPSK	26715	25RB#0	5.54	13	PASS
Band26	5MHz	QPSK	26740	25RB#0	5.61	13	PASS
Band26	5MHz	QPSK	26765	25RB#0	5.80	13	PASS
Band26	5MHz	16QAM	26715	25RB#0	6.25	13	PASS
Band26	5MHz	16QAM	26740	25RB#0	6.36	13	PASS
Band26	5MHz	16QAM	26765	25RB#0	6.46	13	PASS
Band26	10MHz	QPSK	26740	50RB#0	5.68	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	6.44	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.94	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	6.01	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	6.08	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	5.66	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.03	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.07	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.25	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	6.15	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	6.28	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	5.98	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.13	13	PASS

Band38	10MHz	16QAM	38200	50RB#0	6.26	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.14	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.09	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.16	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.04	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.09	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.15	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.41	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.45	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.31	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.46	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.38	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.36	13	PASS
Band41	5MHz	QPSK	40065	25RB#0	5.04	13	PASS
Band41	5MHz	QPSK	40590	25RB#0	5.96	13	PASS
Band41	5MHz	QPSK	41215	25RB#0	5.96	13	PASS
Band41	5MHz	16QAM	40065	25RB#0	5.77	13	PASS
Band41	5MHz	16QAM	40590	25RB#0	5.98	13	PASS
Band41	5MHz	16QAM	41215	25RB#0	5.94	13	PASS
Band41	10MHz	QPSK	40090	50RB#0	5.26	13	PASS
Band41	10MHz	QPSK	40590	50RB#0	6.15	13	PASS
Band41	10MHz	QPSK	41190	50RB#0	6.13	13	PASS
Band41	10MHz	16QAM	40090	50RB#0	6.09	13	PASS
Band41	10MHz	16QAM	40590	50RB#0	6.14	13	PASS
Band41	10MHz	16QAM	41190	50RB#0	6.12	13	PASS
Band41	15MHz	QPSK	40115	75RB#0	5.01	13	PASS
Band41	15MHz	QPSK	40590	75RB#0	6.12	13	PASS
Band41	15MHz	QPSK	41165	75RB#0	6.10	13	PASS
Band41	15MHz	16QAM	40115	75RB#0	6.03	13	PASS
Band41	15MHz	16QAM	40590	75RB#0	6.12	13	PASS
Band41	15MHz	16QAM	41165	75RB#0	6.09	13	PASS
Band41	20MHz	QPSK	40140	100RB#0	5.43	13	PASS
Band41	20MHz	QPSK	40590	100RB#0	5.40	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	5.28	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	6.47	13	PASS
Band41	20MHz	16QAM	40590	100RB#0	6.35	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	6.38	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	6.17	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.90	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.95	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.17	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.88	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	5.86	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.38	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.92	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.95	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.19	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	5.95	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.90	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.48	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	6.00	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.99	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.17	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.00	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.93	13	PASS

Band66	10MHz	QPSK	132022	50RB#0	5.54	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	6.22	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	6.24	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.33	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.20	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	6.23	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.38	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	6.12	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	6.13	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.12	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.11	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	6.12	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.40	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.38	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.30	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.43	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.47	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.43	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, CFR Part 90.691

#### **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	245.23	312.39	PASS
		MCH	<b>245.64</b>	316.54	PASS
		HCH	245.30	317.36	PASS
	EDGE/TM2	LCH	243.93	303.64	PASS
		MCH	<b>246.54</b>	297.23	PASS
		HCH	242.82	310.51	PASS
GSM1900	GPRS/TM1	LCH	245.83	312.94	PASS
		MCH	243.99	313.46	PASS
		HCH	<b>247.15</b>	318.55	PASS
	EDGE/TM2	LCH	248.99	310.76	PASS
		MCH	<b>250.51</b>	323.70	PASS
		HCH	249.52	324.12	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (KHZ)	Emission Bandwidth (KHZ)	Verdict
WCDMA850	UMTS/TM1	LCH	4163.2	4683	PASS
		MCH	4165.0	4697	PASS
		HCH	<b>4167.6</b>	4708	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (KHZ)	Emission Bandwidth (KHZ)	Verdict
WCDMA1700	UMTS/TM1	LCH	4166.5	4691	PASS
		MCH	<b>4173.3</b>	4694	PASS
		HCH	4166.9	4692	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (KHZ)	Emission Bandwidth (KHZ)	Verdict
WCDMA1900	UMTS/TM1	LCH	<b>4175.3</b>	4700	PASS
		MCH	4173.0	4704	PASS
		HCH	4165.9	4685	PASS

LTE Mode with QPSK Modulation(TM4) & LTE Mode with 16QAM Modulation(TM5)

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	<b>1.0783</b>	1.233	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0778	1.211	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0766	1.250	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0771	1.237	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0756	1.207	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	<b>1.0786</b>	1.228	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6825	2.832	PASS
Band2	3MHz	QPSK	18900	15RB#0	<b>2.6829</b>	2.821	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6781	2.821	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6787	2.833	PASS
Band2	3MHz	16QAM	18900	15RB#0	<b>2.6852</b>	2.825	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6725	2.837	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4752	4.866	PASS
Band2	5MHz	QPSK	18900	25RB#0	<b>4.4774</b>	4.880	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4739	4.939	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4761	4.934	PASS
Band2	5MHz	16QAM	18900	25RB#0	<b>4.4776</b>	4.885	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4771	4.923	PASS
Band2	10MHz	QPSK	18650	50RB#0	<b>8.9491</b>	9.494	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9325	9.437	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9344	9.521	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9330	9.435	PASS
Band2	10MHz	16QAM	18900	50RB#0	<b>8.9377</b>	9.432	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9337	9.493	PASS
Band2	15MHz	QPSK	18675	75RB#0	<b>13.403</b>	14.15	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.403	14.10	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.400	14.04	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.398	14.09	PASS
Band2	15MHz	16QAM	18900	75RB#0	<b>13.404</b>	14.08	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.397	14.03	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.870	18.64	PASS
Band2	20MHz	QPSK	18900	100RB#0	<b>17.871</b>	18.75	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.858	18.61	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.855	18.64	PASS
Band2	20MHz	16QAM	18900	100RB#0	<b>17.877</b>	18.72	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.858	18.59	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.1082	1.283	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	<b>1.1093</b>	1.254	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1059	1.287	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1024	1.278	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	<b>1.1074</b>	1.264	PASS

Band4	1.4MHz	16QAM	20393	6RB#0	1.1065	1.286	PASS
Band4	3MHz	QPSK	19965	15RB#0	<b>2.6834</b>	2.828	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6783	2.842	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6755	2.837	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6784	2.829	PASS
Band4	3MHz	16QAM	20175	15RB#0	<b>2.6839</b>	2.816	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6715	2.816	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4789	4.880	PASS
Band4	5MHz	QPSK	20175	25RB#0	<b>4.4827</b>	4.889	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4766	4.878	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4772	4.943	PASS
Band4	5MHz	16QAM	20175	25RB#0	<b>4.4828</b>	4.859	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4782	4.867	PASS
Band4	10MHz	QPSK	20000	50RB#0	<b>8.9460</b>	9.484	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9342	9.432	PASS
Band4	10MHz	QPSK	20350	50RB#0	<b>8.9404</b>	9.420	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9322	9.441	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9318	9.491	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9433	9.474	PASS
Band4	15MHz	QPSK	20025	75RB#0	<b>8.9625</b>	9.589	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.389	14.15	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.392	14.10	PASS
Band4	15MHz	16QAM	20025	75RB#0	<b>13.415</b>	14.06	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.393	14.05	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.399	14.08	PASS
Band4	20MHz	QPSK	20050	100RB#0	<b>17.874</b>	18.63	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.857	18.66	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.869	18.58	PASS
Band4	20MHz	16QAM	20050	100RB#0	<b>17.879</b>	18.69	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.871	18.71	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.853	18.61	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	<b>1.0778</b>	1.224	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0763	1.201	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0766	1.218	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0760	1.238	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0776	1.203	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	<b>1.0782</b>	1.230	PASS
Band5	3MHz	QPSK	20415	15RB#0	<b>2.6839</b>	2.839	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6765	2.831	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6795	2.827	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6774	2.830	PASS
Band5	3MHz	16QAM	20525	15RB#0	<b>2.6798</b>	2.818	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6785	2.822	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4769	4.854	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4782	4.900	PASS
Band5	5MHz	QPSK	20625	25RB#0	<b>4.4788</b>	4.859	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4757	4.930	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4761	4.863	PASS
Band5	5MHz	16QAM	20625	25RB#0	<b>4.4764</b>	4.925	PASS
Band5	10MHz	QPSK	20450	50RB#0	<b>8.9387</b>	9.471	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9341	9.384	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9368	9.510	PASS
Band5	10MHz	16QAM	20450	50RB#0	<b>8.9374</b>	9.454	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9299	9.433	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9165	9.376	PASS

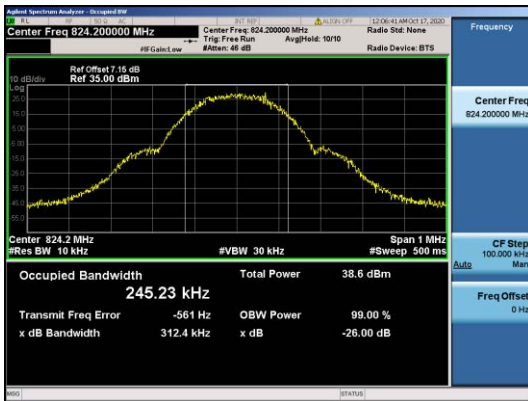


Band7	5MHz	QPSK	20775	25RB#0	4.5036	4.958	PASS
Band7	5MHz	QPSK	21100	25RB#0	<b>4.5077</b>	4.991	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5069	5.043	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5042	5.010	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5091	5.008	PASS
Band7	5MHz	16QAM	21425	25RB#0	<b>4.5119</b>	4.972	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9854	9.584	PASS
Band7	10MHz	QPSK	21100	50RB#0	<b>9.0014</b>	9.629	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9857	9.618	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9774	9.582	PASS
Band7	10MHz	16QAM	21100	50RB#0	<b>8.9938</b>	9.622	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9868	9.602	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.464	14.31	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.486	14.39	PASS
Band7	15MHz	QPSK	21375	75RB#0	<b>13.494</b>	14.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.460	14.26	PASS
Band7	15MHz	16QAM	21100	75RB#0	<b>13.484</b>	14.33	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.481	14.31	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.931	18.96	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.966	19.02	PASS
Band7	20MHz	QPSK	21350	100RB#0	<b>17.969</b>	18.99	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	18.95	PASS
Band7	20MHz	16QAM	21100	100RB#0	<b>17.981</b>	19.05	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.955	19.05	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	<b>1.0791</b>	1.227	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0767	1.218	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0786	1.240	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0773	1.233	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0774	1.209	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	<b>1.0783</b>	1.256	PASS
Band12	3MHz	QPSK	23025	15RB#0	<b>2.6829</b>	2.833	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6828	2.829	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6748	2.830	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6787	2.834	PASS
Band12	3MHz	16QAM	23095	15RB#0	<b>2.6789</b>	2.830	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6756	2.815	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4787	4.905	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4759	4.862	PASS
Band12	5MHz	QPSK	23155	25RB#0	<b>4.4827</b>	4.895	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4800	4.877	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4791	4.911	PASS
Band12	5MHz	16QAM	23155	25RB#0	<b>4.4818</b>	4.928	PASS
Band12	10MHz	QPSK	23060	50RB#0	<b>8.9456</b>	9.438	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9276	9.442	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9349	9.426	PASS
Band12	10MHz	16QAM	23060	50RB#0	<b>8.9364</b>	9.510	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9248	9.371	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9322	9.410	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.4737	4.846	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4787	4.877	PASS
Band17	5MHz	QPSK	23825	25RB#0	<b>4.4837</b>	4.898	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4746	4.945	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4805	4.878	PASS
Band17	5MHz	16QAM	23825	25RB#0	<b>4.4816</b>	4.881	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9138	9.401	PASS

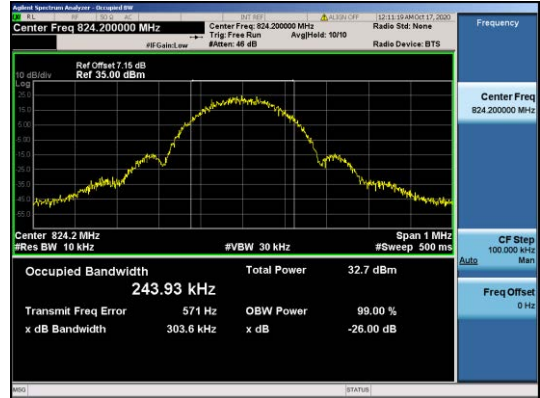
Band17	10MHz	QPSK	23790	50RB#0	8.9236	9.419	PASS
Band17	10MHz	QPSK	23800	50RB#0	<b>8.9432</b>	9.443	PASS
Band17	10MHz	16QAM	23780	50RB#0	<b>8.9285</b>	9.477	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9256	9.391	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9282	9.447	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	<b>1.0796</b>	1.225	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.0783	1.232	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.0764	1.217	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.0776	1.247	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.0769	1.208	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	<b>1.0780</b>	1.246	PASS
Band26	3MHz	QPSK	26705	15RB#0	<b>2.6837</b>	2.837	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.6802	2.828	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.6801	2.827	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.6750	2.827	PASS
Band26	3MHz	16QAM	26740	15RB#0	<b>2.6807</b>	2.821	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.6781	2.825	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.4690	4.723	PASS
Band26	5MHz	QPSK	26740	25RB#0	<b>4.4774</b>	4.767	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.4709	4.754	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.4732	4.769	PASS
Band26	5MHz	16QAM	26740	25RB#0	<b>4.4770</b>	4.755	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.4752	4.744	PASS
Band26	10MHz	QPSK	26740	50RB#0	<b>8.9450</b>	9.324	PASS
Band26	10MHz	16QAM	26740	50RB#0	<b>8.9417</b>	9.341	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.4935	4.833	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5046	4.783	PASS
Band38	5MHz	QPSK	38225	25RB#0	<b>4.5096</b>	4.774	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4946	4.794	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4927	4.774	PASS
Band38	5MHz	16QAM	38225	25RB#0	<b>4.5000</b>	4.817	PASS
Band38	10MHz	QPSK	37800	50RB#0	<b>8.9926</b>	9.508	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9791	9.519	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9785	9.508	PASS
Band38	10MHz	16QAM	37800	50RB#0	<b>8.9811</b>	9.505	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9711	9.493	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9831	9.504	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.465	14.25	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.471	14.23	PASS
Band38	15MHz	QPSK	38175	75RB#0	<b>13.472</b>	14.26	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.456	14.24	PASS
Band38	15MHz	16QAM	38000	75RB#0	<b>13.468</b>	14.27	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.464	14.25	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.928	18.96	PASS
Band38	20MHz	QPSK	38000	100RB#0	<b>17.944</b>	18.94	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.940	18.95	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.922	18.96	PASS
Band38	20MHz	16QAM	38000	100RB#0	<b>17.953</b>	18.94	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.936	18.95	PASS
Band41	5MHz	QPSK	40065	25RB#0	4.5050	4.800	PASS
Band41	5MHz	QPSK	40590	25RB#0	<b>4.5110</b>	4.771	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.4952	4.893	PASS
Band41	5MHz	16QAM	40065	25RB#0	<b>4.5034</b>	4.776	PASS
Band41	5MHz	16QAM	40590	25RB#0	4.4953	4.804	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.4901	4.801	PASS

Band41	10MHz	QPSK	40090	50RB#0	8.9829	9.494	PASS
Band41	10MHz	QPSK	40590	50RB#0	<b>8.9860</b>	9.518	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.9697	9.504	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.9763	9.504	PASS
Band41	10MHz	16QAM	40590	50RB#0	8.9716	9.490	PASS
Band41	10MHz	16QAM	41190	50RB#0	<b>8.9904</b>	9.512	PASS
Band41	15MHz	QPSK	40115	75RB#0	<b>13.473</b>	14.22	PASS
Band41	15MHz	QPSK	40590	75RB#0	13.443	14.23	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.465	14.23	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.452	14.24	PASS
Band41	15MHz	16QAM	40590	75RB#0	13.454	14.24	PASS
Band41	15MHz	16QAM	41165	75RB#0	<b>13.466</b>	14.25	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.937	18.91	PASS
Band41	20MHz	QPSK	40590	100RB#0	<b>17.944</b>	18.97	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.934	18.95	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.937	18.92	PASS
Band41	20MHz	16QAM	40590	100RB#0	<b>17.946</b>	18.95	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.934	18.94	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	<b>1.0789</b>	1.238	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0765	1.217	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0765	1.239	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0774	1.224	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0755	1.205	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	<b>1.0780</b>	1.227	PASS
Band66	3MHz	QPSK	131987	15RB#0	<b>2.6848</b>	2.839	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6813	2.823	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6756	2.828	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6766	2.826	PASS
Band66	3MHz	16QAM	132322	15RB#0	<b>2.6803</b>	2.824	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6788	2.824	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4759	4.899	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4742	4.925	PASS
Band66	5MHz	QPSK	132647	25RB#0	<b>4.4802</b>	4.877	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4741	4.944	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4800	4.857	PASS
Band66	5MHz	16QAM	132647	25RB#0	<b>4.4816</b>	4.859	PASS
Band66	10MHz	QPSK	132022	50RB#0	<b>8.9446</b>	9.481	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9336	9.448	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9410	9.439	PASS
Band66	10MHz	16QAM	132022	50RB#0	<b>8.9435</b>	9.473	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9371	9.438	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9391	9.432	PASS
Band66	15MHz	QPSK	132047	75RB#0	<b>13.411</b>	14.09	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.406	14.04	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.390	14.06	PASS
Band66	15MHz	16QAM	132047	75RB#0	<b>13.410</b>	14.08	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.403	14.07	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.398	14.07	PASS
Band66	20MHz	QPSK	132072	100RB#0	<b>17.883</b>	18.75	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.867	18.72	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.862	18.62	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.869	18.68	PASS
Band66	20MHz	16QAM	132322	100RB#0	<b>17.886</b>	18.68	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.875	18.64	PASS

For GSM  
 Test Band=GSM850  
 Test Mode=GSM/TM1  
 Test Channel=LCH



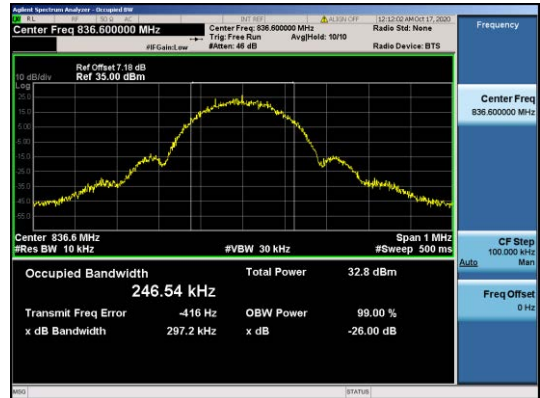
Test Mode=GSM/TM2  
 Test Channel=LCH



Test Channel=MCH



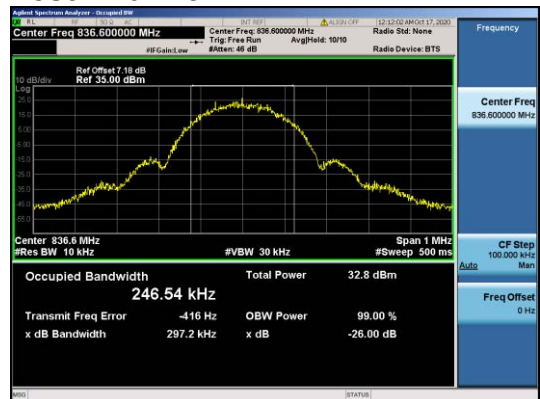
Test Channel=MCH



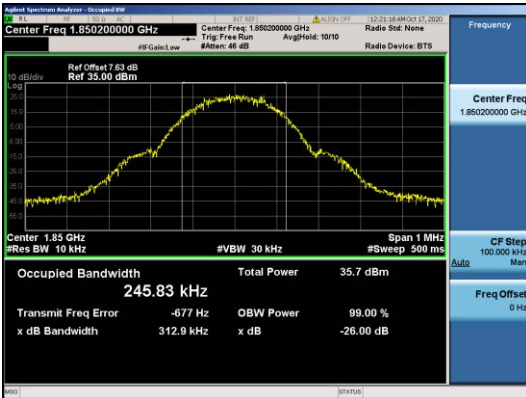
Test Channel=HCH



Test Channel=MCH



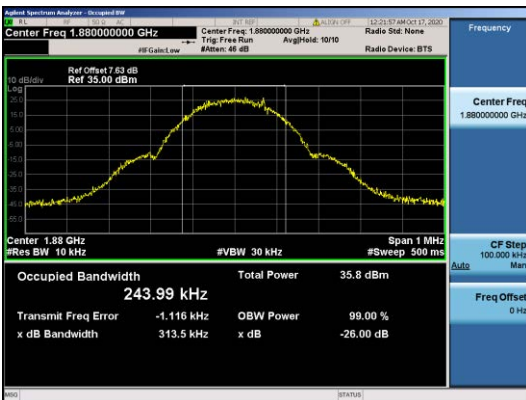
**Test Band=GSM1900**  
**Test Mode=GSM/TM1**  
**Test Channel=LCH**



**Test Mode=GSM/TM2**  
**Test Channel=LCH**



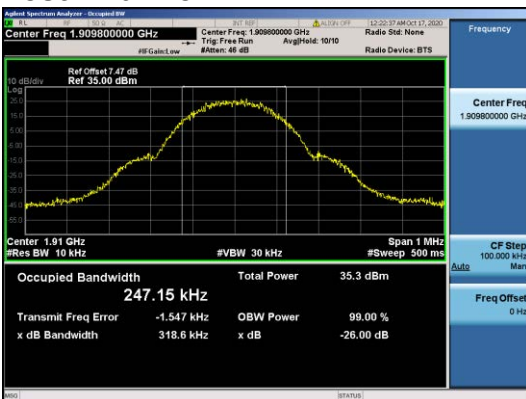
**Test Channel=MCH**



**Test Channel=MCH**



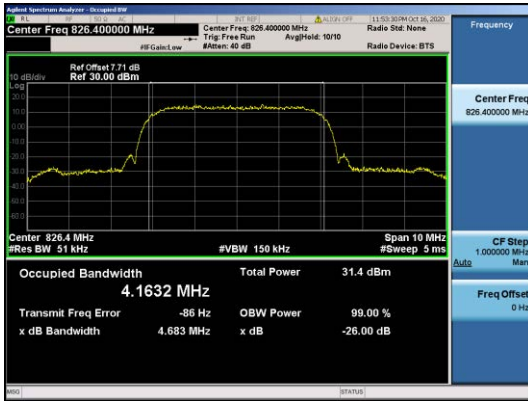
**Test Channel=HCH**



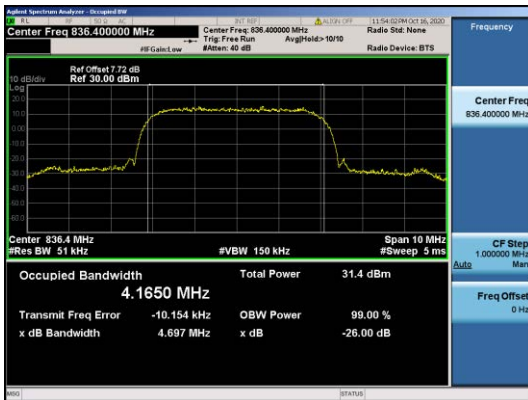
**Test Channel=HCH**



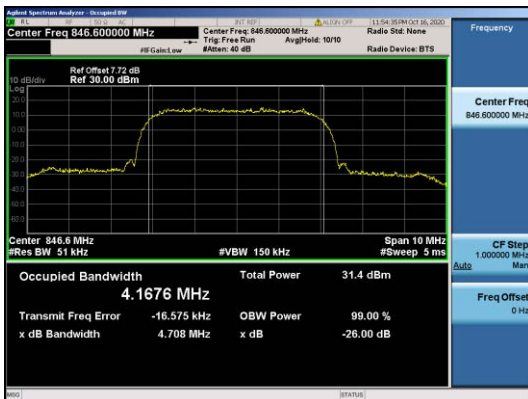
For WCDMA  
 Test Band=WCDMA850  
 Test Mode=UMTS/TM3  
 Test Channel=LCH



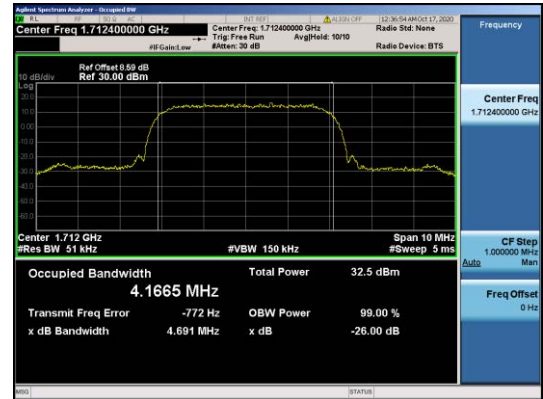
Test Channel=MCH



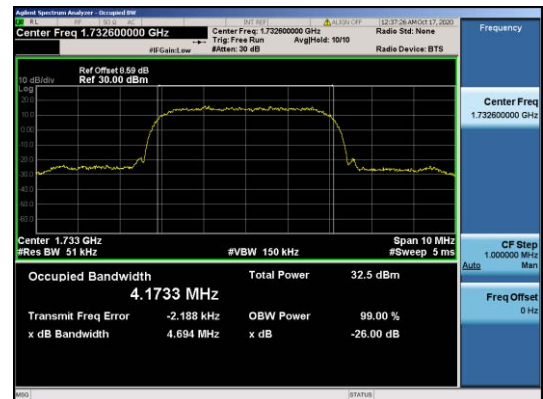
Test Channel=HCH



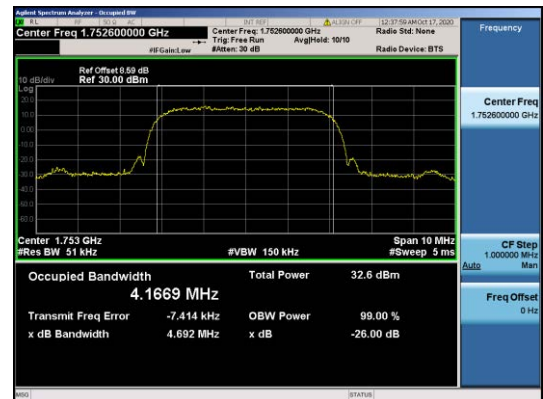
Test Band=WCDMA1700  
 Test Mode=UMTS/TM3  
 Test Channel=LCH



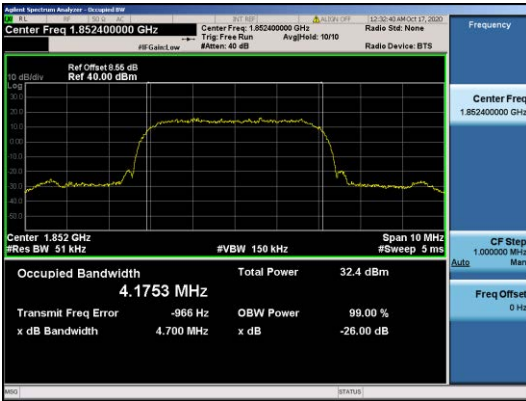
Test Channel=MCH



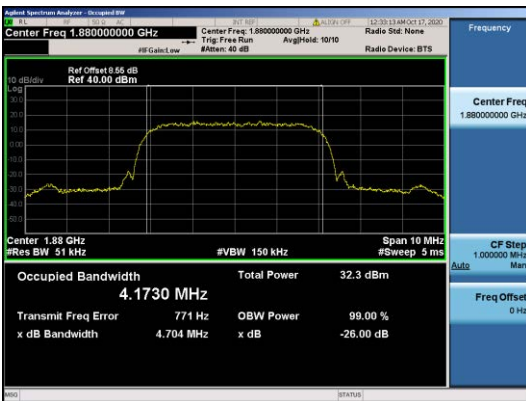
Test Channel=HCH



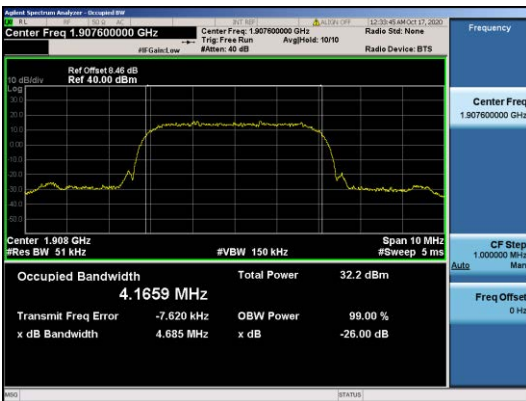
Test Band=WCDMA1900  
 Test Mode=UMTS/TM3  
 Test Channel=LCH



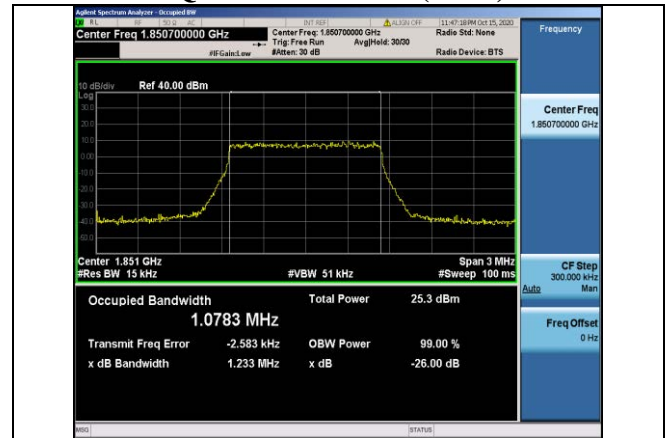
Test Channel=MCH



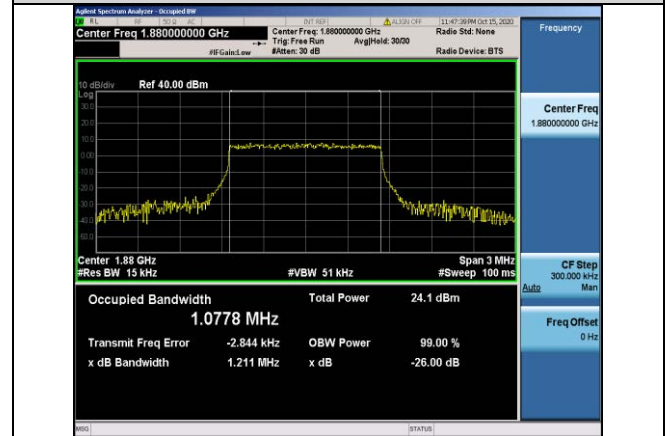
Test Channel=HCH



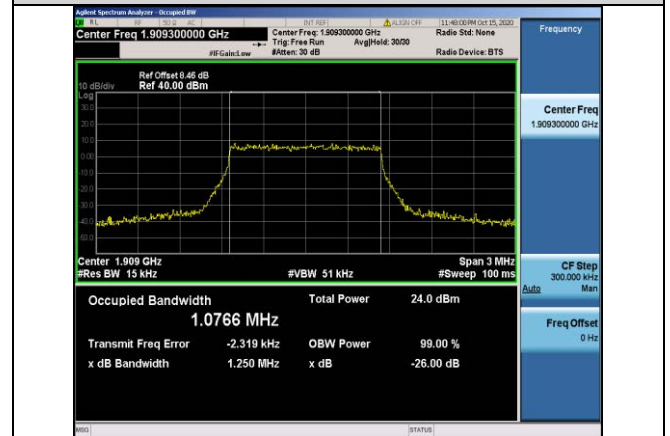
LTE Mode with QPSK  
 Modulation(TM4) & LTE Mode with  
 16QAM Modulation(TM5)



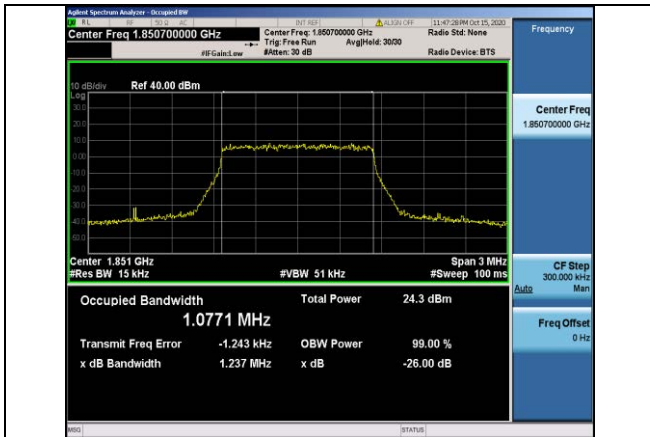
Band2-1.4MHz-QPSK-18607-6RB#0-1.0783



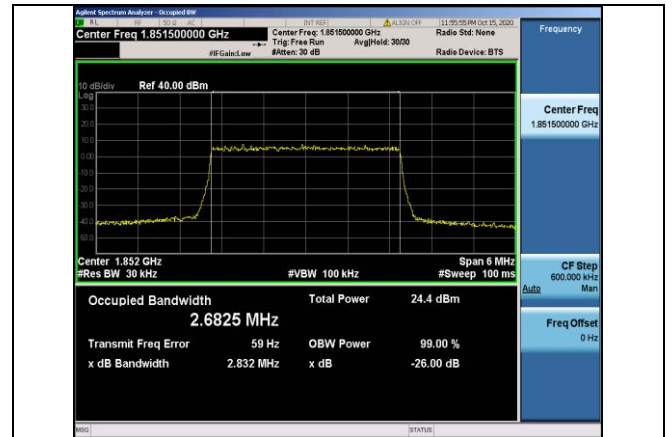
Band2-1.4MHz-QPSK-18900-6RB#0-1.0778



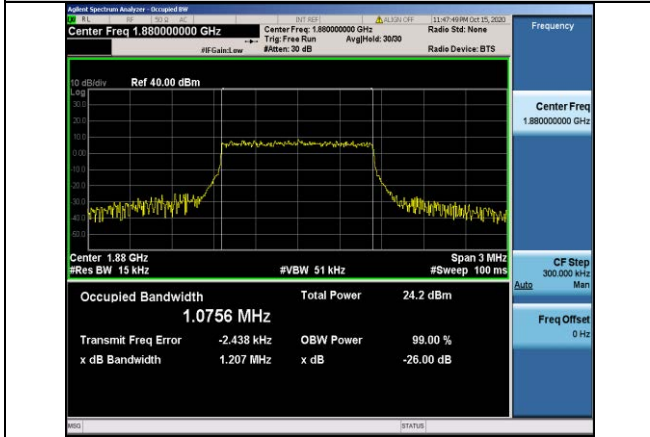
Band2-1.4MHz-QPSK-19193-6RB#0-1.0766



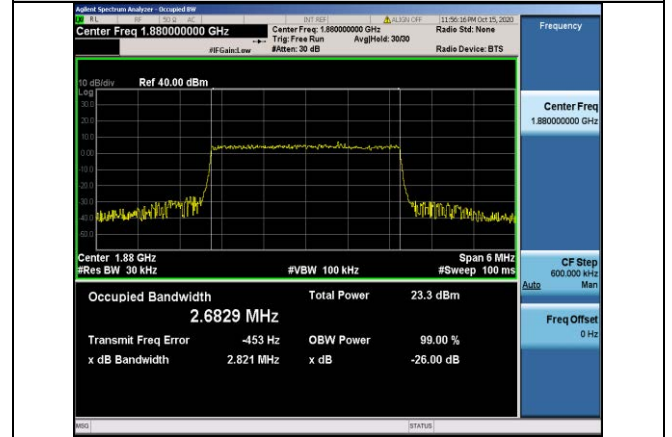
Band2-1.4MHz-16QAM-18607-6RB#0-1.0771



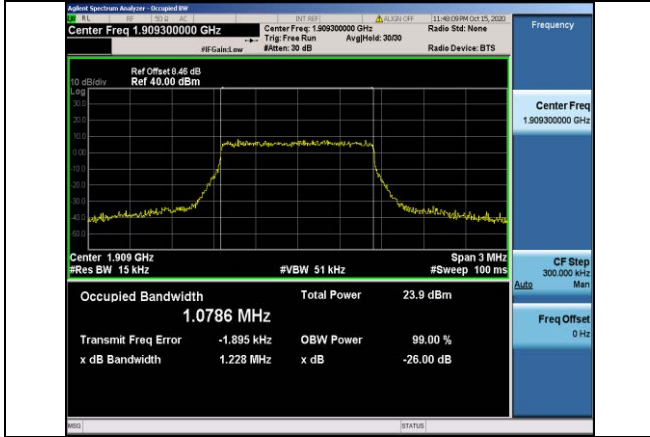
Band2-3MHz-QPSK-18615-15RB#0-2.6825



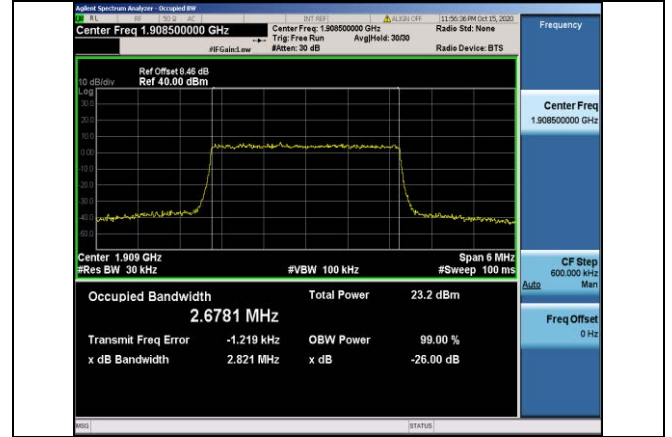
Band2-1.4MHz-16QAM-18900-6RB#0-1.0756



Band2-3MHz-QPSK-18900-15RB#0-2.6829

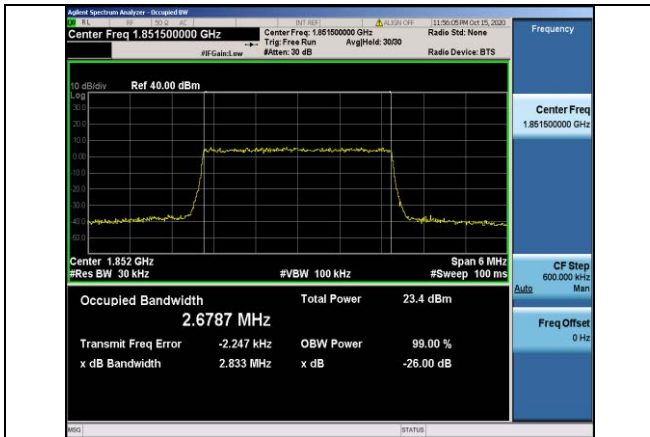


Band2-1.4MHz-16QAM-19193-6RB#0-1.0786

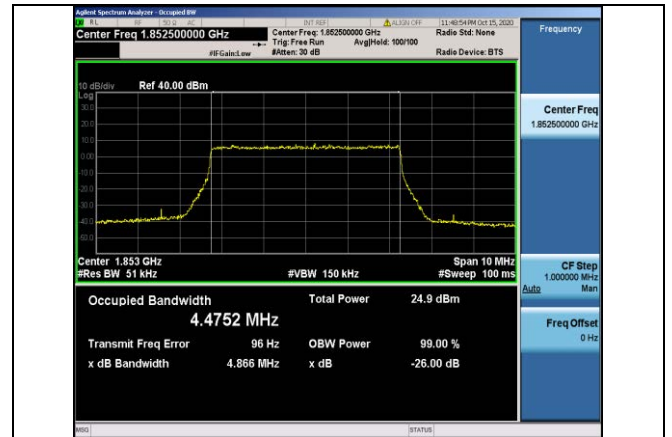


Band2-3MHz-QPSK-19185-15RB#0-2.6781





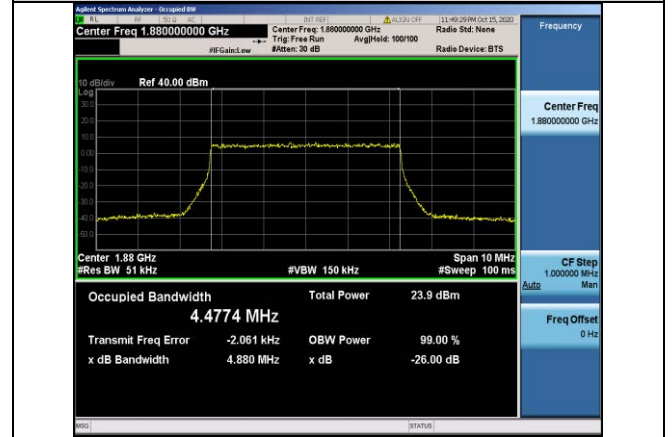
Band2-3MHz-16QAM-18615-15RB#0-2.6787



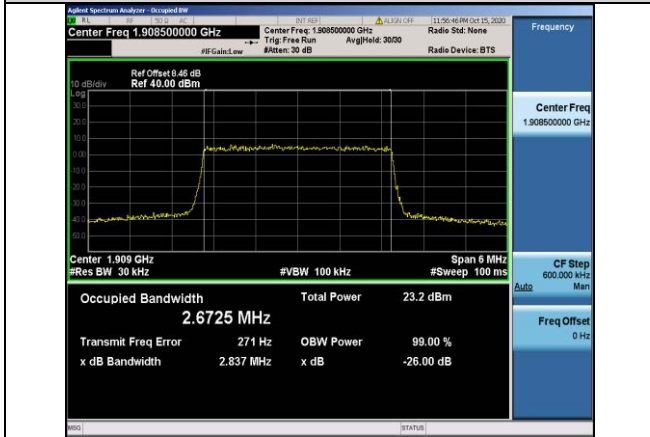
Band2-5MHz-QPSK-18625-25RB#0-4.4752



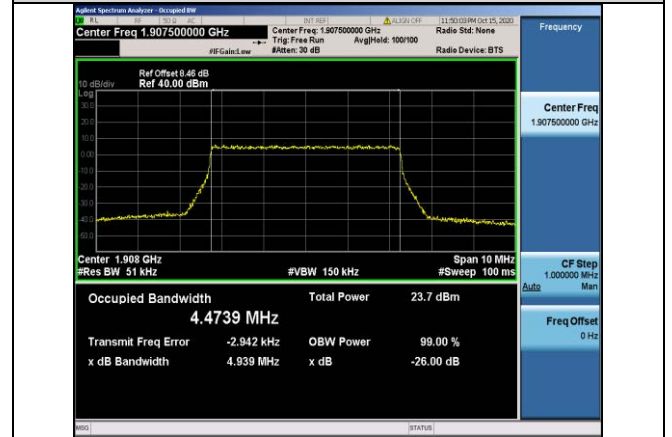
Band2-3MHz-16QAM-18900-15RB#0-2.6852



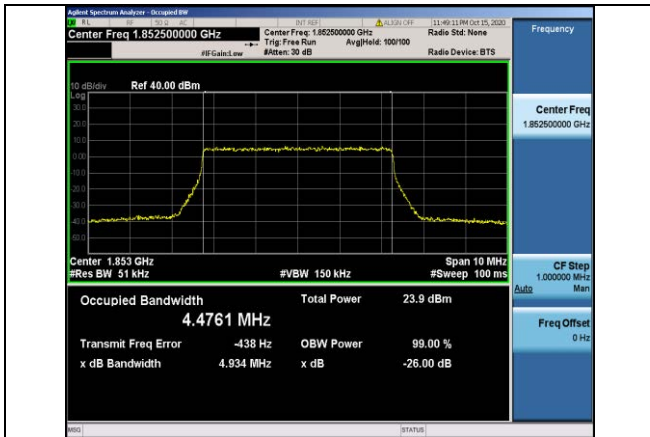
Band2-5MHz-QPSK-18900-25RB#0-4.4774



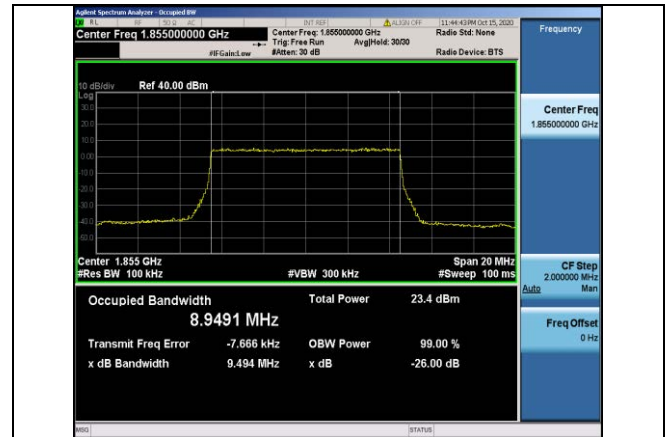
Band2-3MHz-16QAM-19185-15RB#0-2.6725



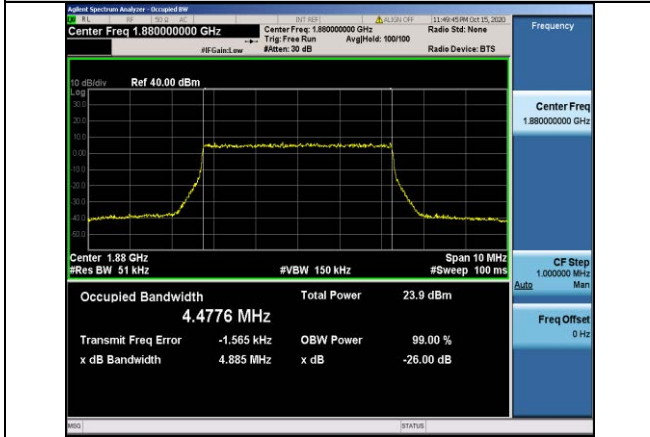
Band2-5MHz-QPSK-19175-25RB#0-4.4739



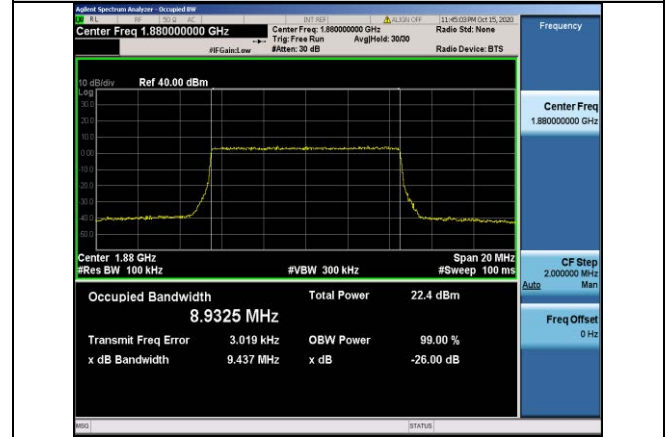
Band2-5MHz-16QAM-18625-25RB#0-4.4761



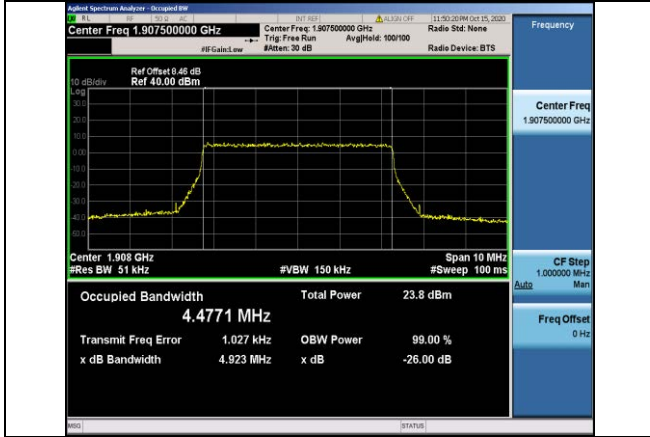
Band2-10MHz-QPSK-18650-50RB#0-8.9491



Band2-5MHz-16QAM-18900-25RB#0-4.4776



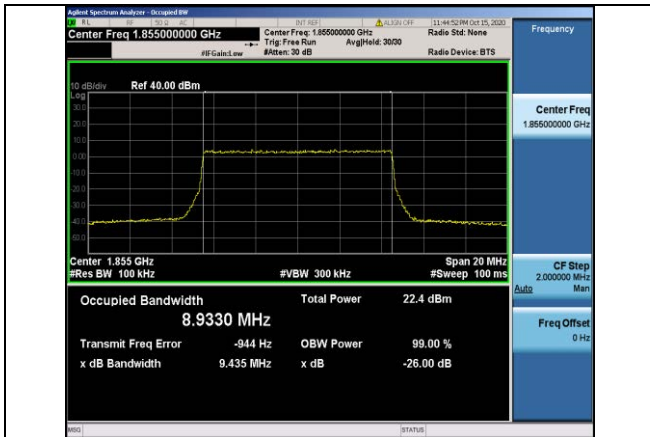
Band2-10MHz-QPSK-18900-50RB#0-8.9325



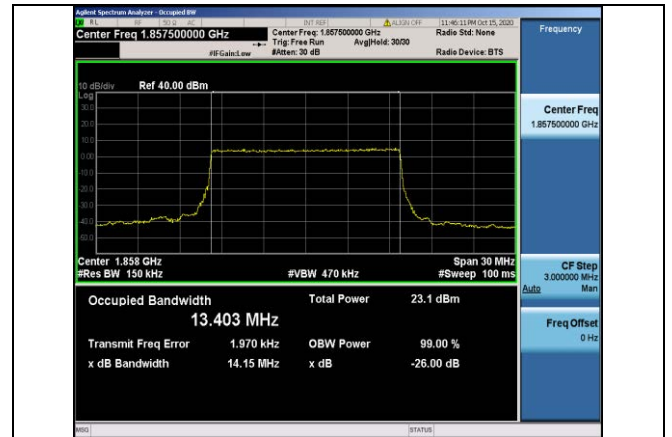
Band2-5MHz-16QAM-19175-25RB#0-4.4771



Band2-10MHz-QPSK-19150-50RB#0-8.9344



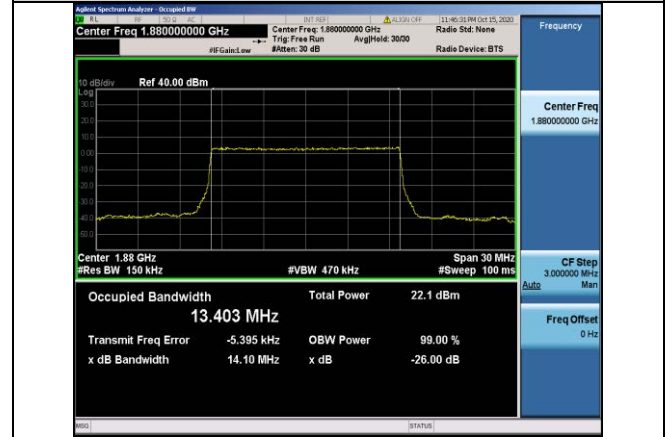
Band2-10MHz-16QAM-18650-50RB#0-8.9330



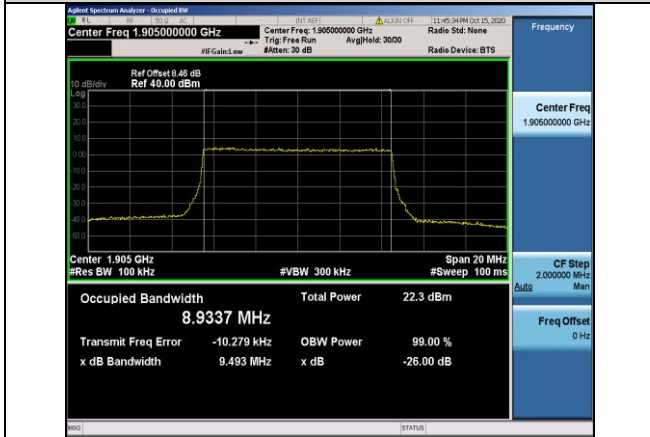
Band2-15MHz-QPSK-18675-75RB#0-13.403



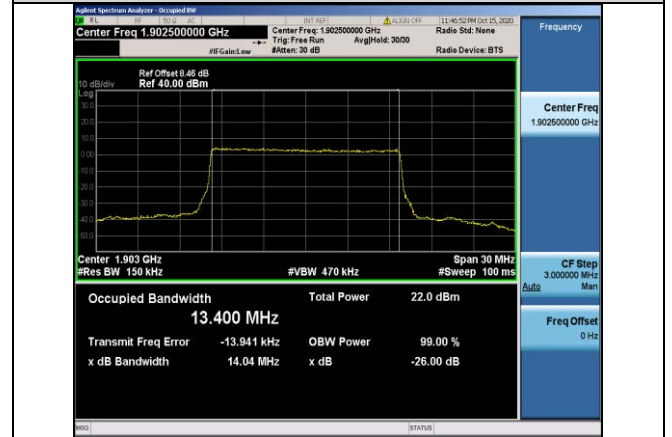
Band2-10MHz-16QAM-18900-50RB#0-8.9377



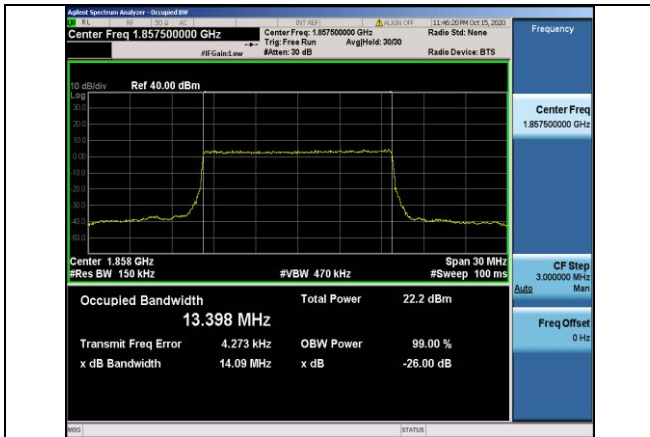
Band2-15MHz-QPSK-18900-75RB#0-13.403



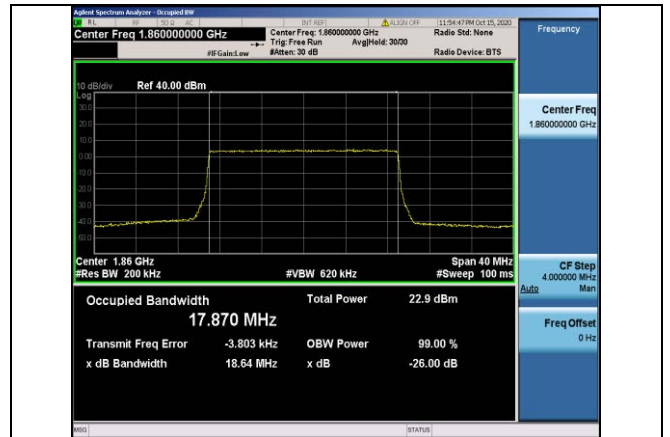
Band2-10MHz-16QAM-19150-50RB#0-8.9337



Band2-15MHz-QPSK-19125-75RB#0-13.400



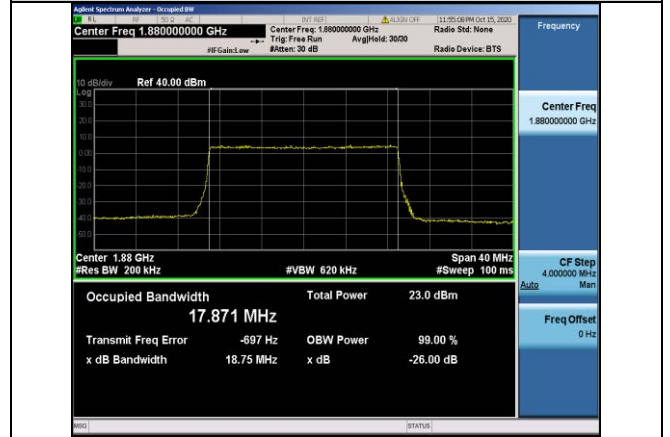
Band2-15MHz-16QAM-18675-75RB#0-13.398



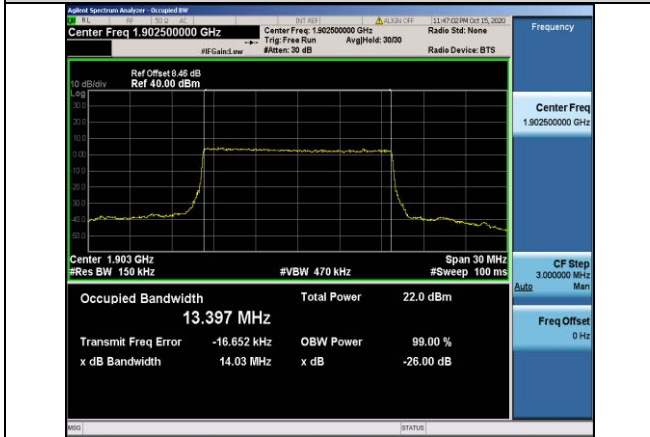
Band2-20MHz-QPSK-18700-100RB#0-17.870



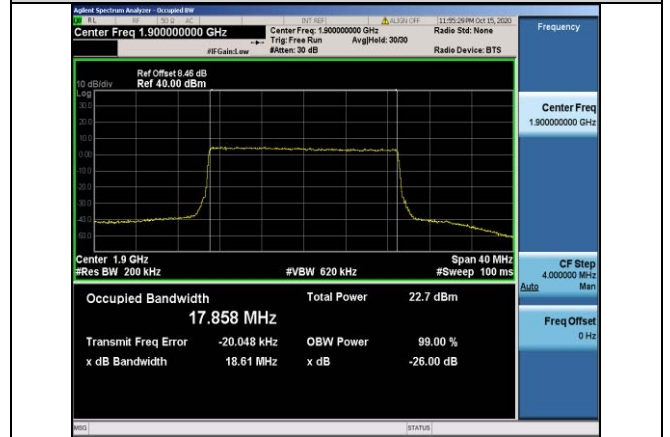
Band2-15MHz-16QAM-18900-75RB#0-13.404



Band2-20MHz-QPSK-18900-100RB#0-17.871



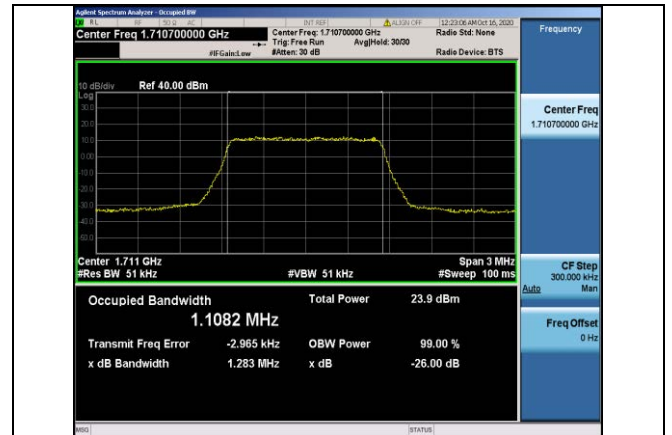
Band2-15MHz-16QAM-19125-75RB#0-13.397



Band2-20MHz-QPSK-19100-100RB#0-17.858



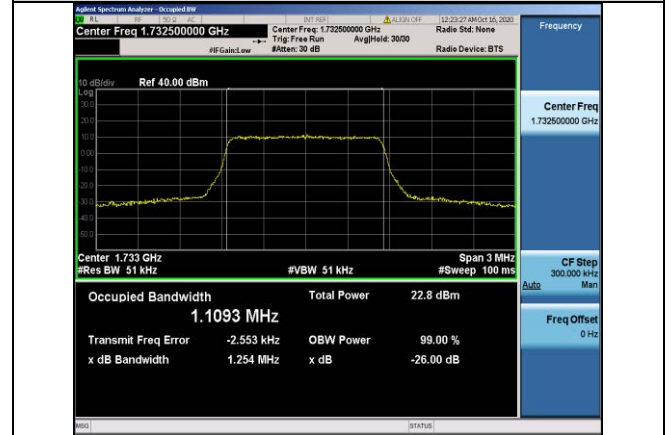
Band2-20MHz-16QAM-18700-100RB#0-17.855



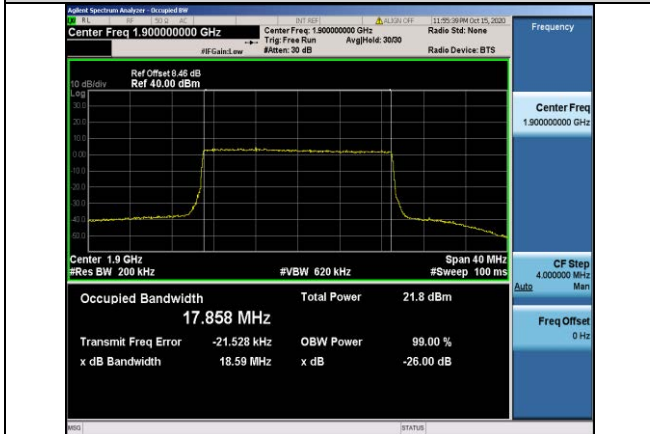
Band4-1.4MHz-QPSK-19957-6RB#0-1.1082



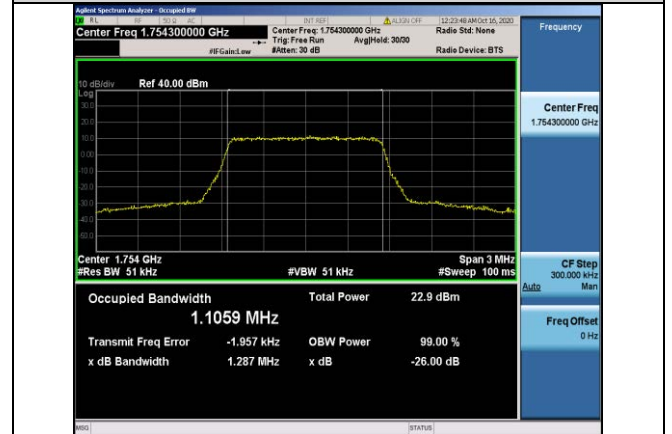
Band2-20MHz-16QAM-18900-100RB#0-17.877



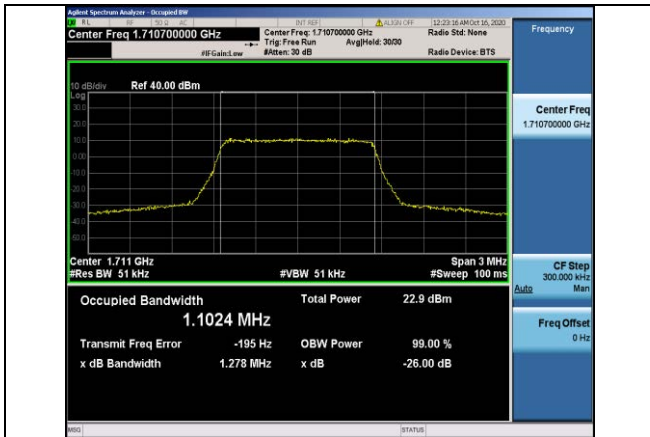
Band4-1.4MHz-QPSK-20175-6RB#0-1.1093



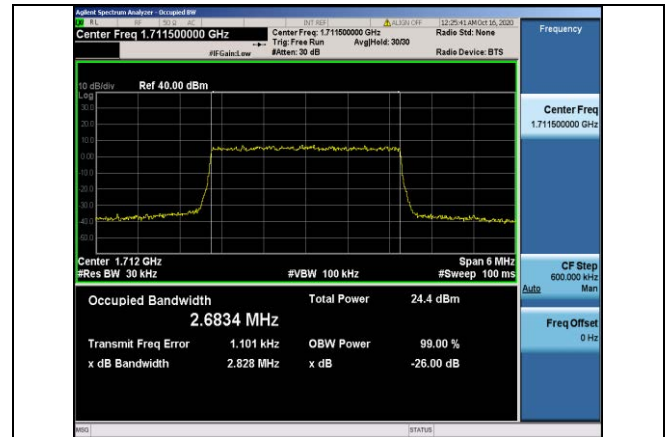
Band2-20MHz-16QAM-19100-100RB#0-17.858



Band4-1.4MHz-QPSK-20393-6RB#0-1.1059



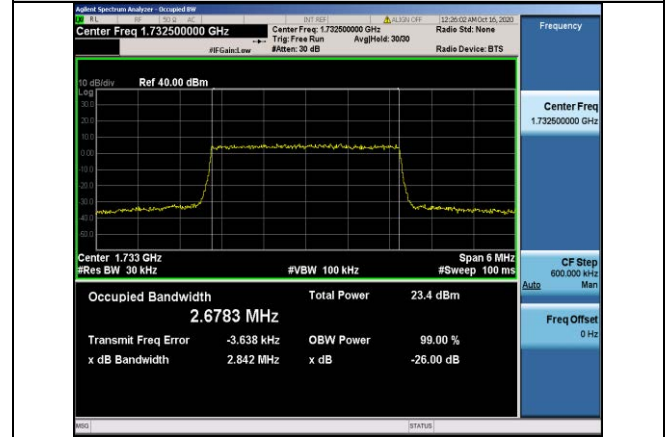
Band4-1.4MHz-16QAM-19957-6RB#0-1.1024



Band4-3MHz-QPSK-19965-15RB#0-2.6834



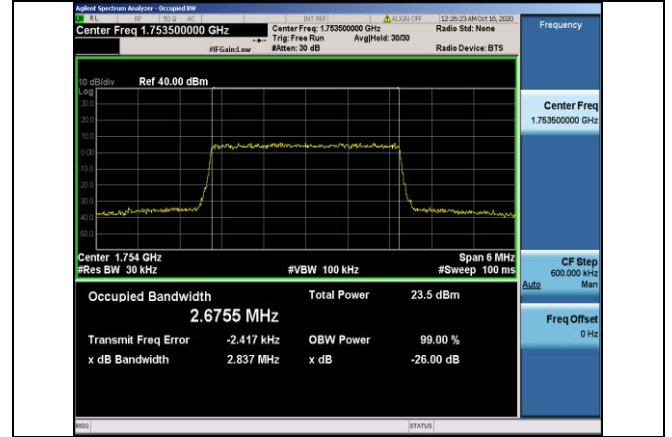
Band4-1.4MHz-16QAM-20175-6RB#0-1.1074



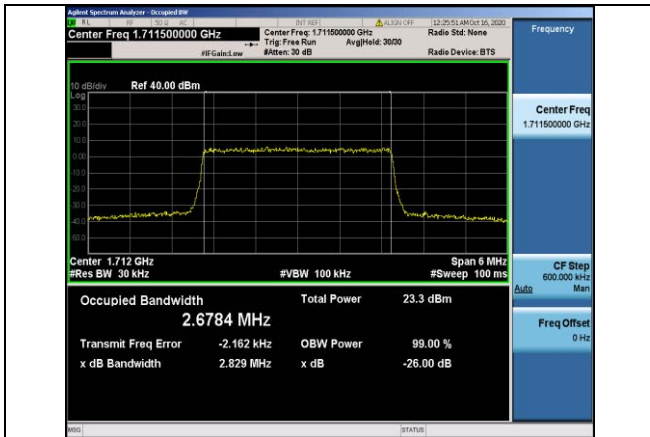
Band4-3MHz-QPSK-20175-15RB#0-2.6783



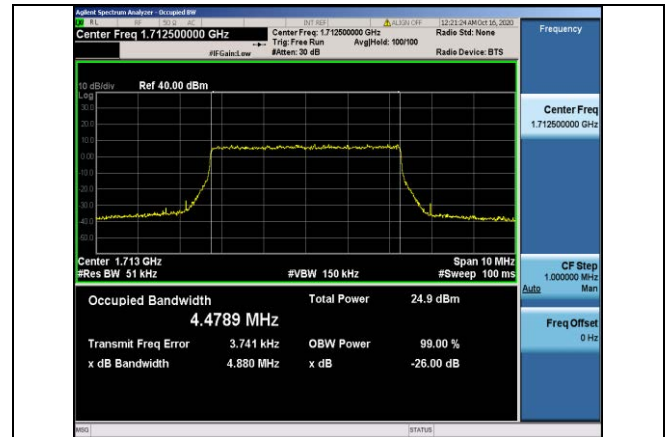
Band4-1.4MHz-16QAM-20393-6RB#0-1.1065



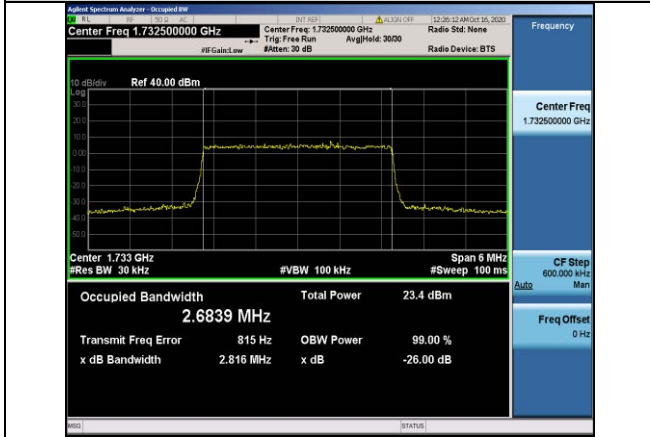
Band4-3MHz-QPSK-20385-15RB#0-2.6755



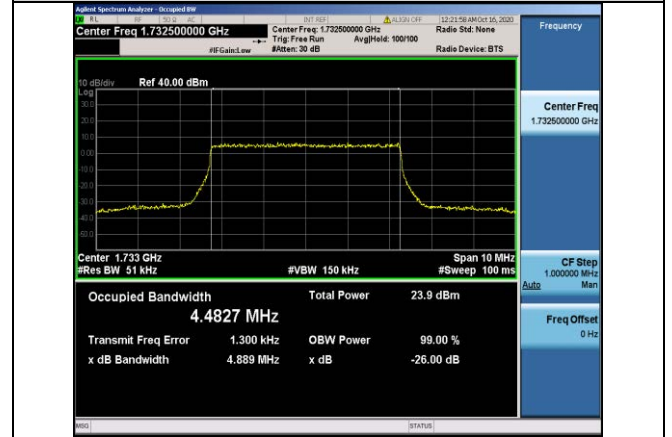
Band4-3MHz-16QAM-19965-15RB#0-2.6784



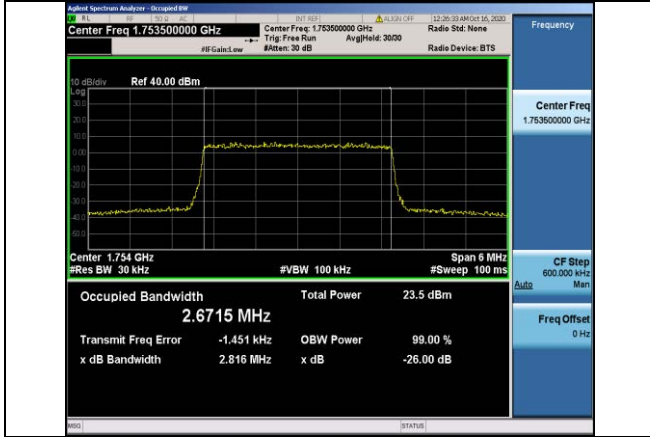
Band4-5MHz-QPSK-19975-25RB#0-4.4789



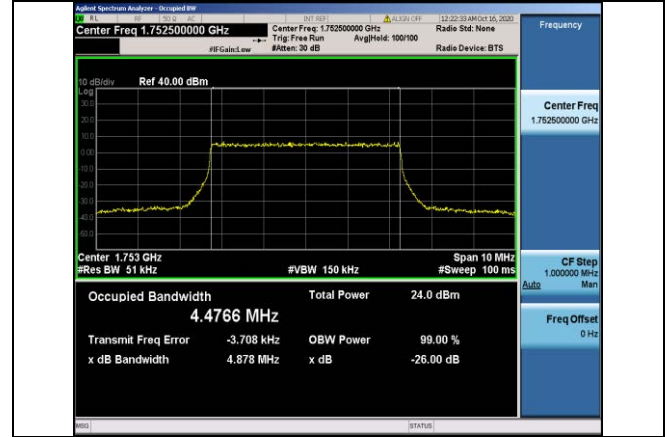
Band4-3MHz-16QAM-20175-15RB#0-2.6839



Band4-5MHz-QPSK-20175-25RB#0-4.4827



Band4-3MHz-16QAM-20385-15RB#0-2.6715



Band4-5MHz-QPSK-20375-25RB#0-4.4766

