



Test Report No.: W7L-P23060003RF02

5 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



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7 APPENDIX

GSM850

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	189	2.66	13	PASS
GPRS850	128	2.69	13	PASS
GPRS850	251	2.64	13	PASS
EGPRS850	189	5.66	13	PASS
EGPRS850	128	5.77	13	PASS
EGPRS850	251	5.64	13	PASS

Test Graphs



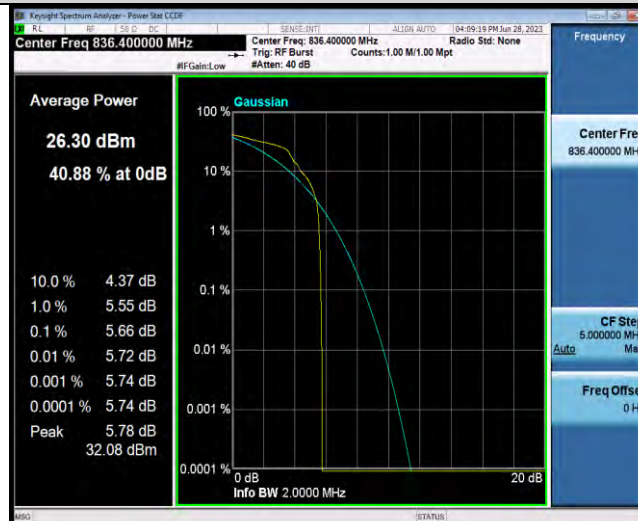


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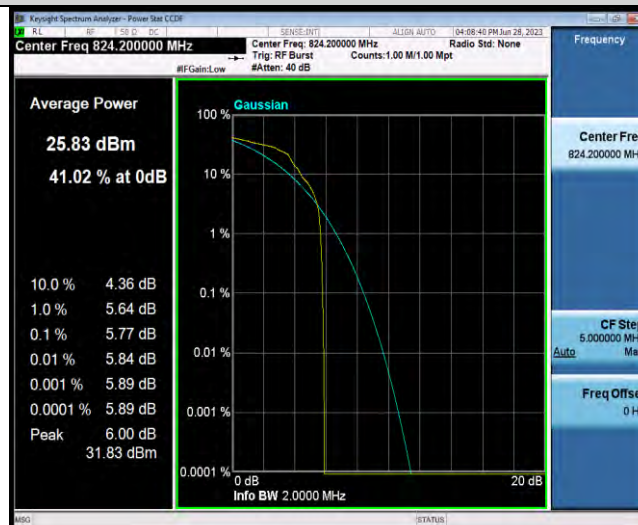
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EGPRS850-189



EGPRS850-128

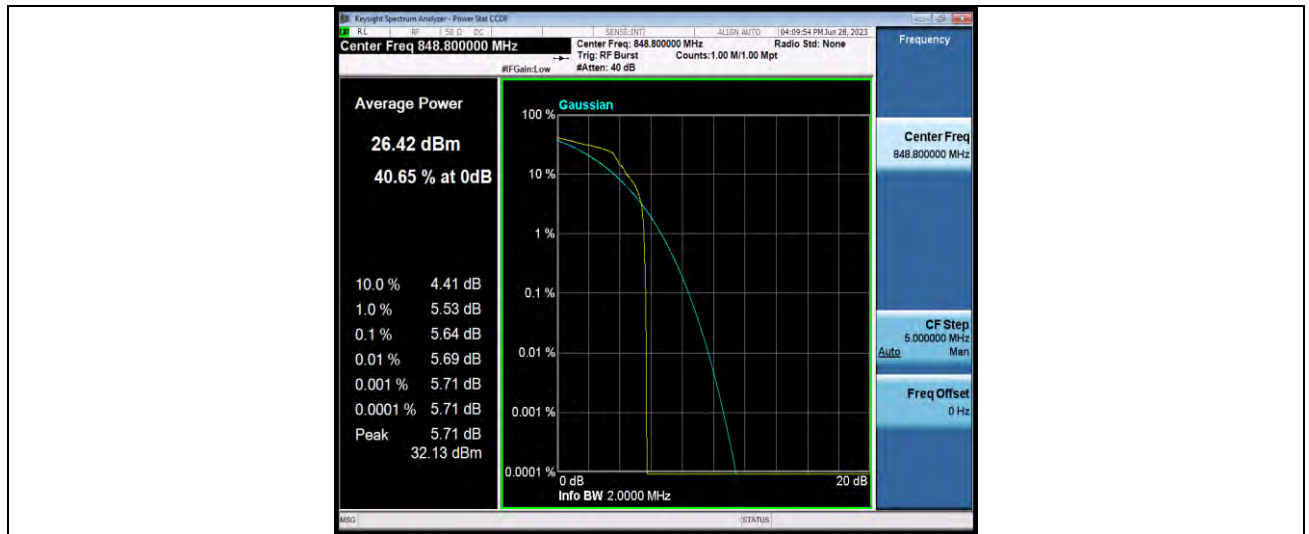


EGPRS850-251



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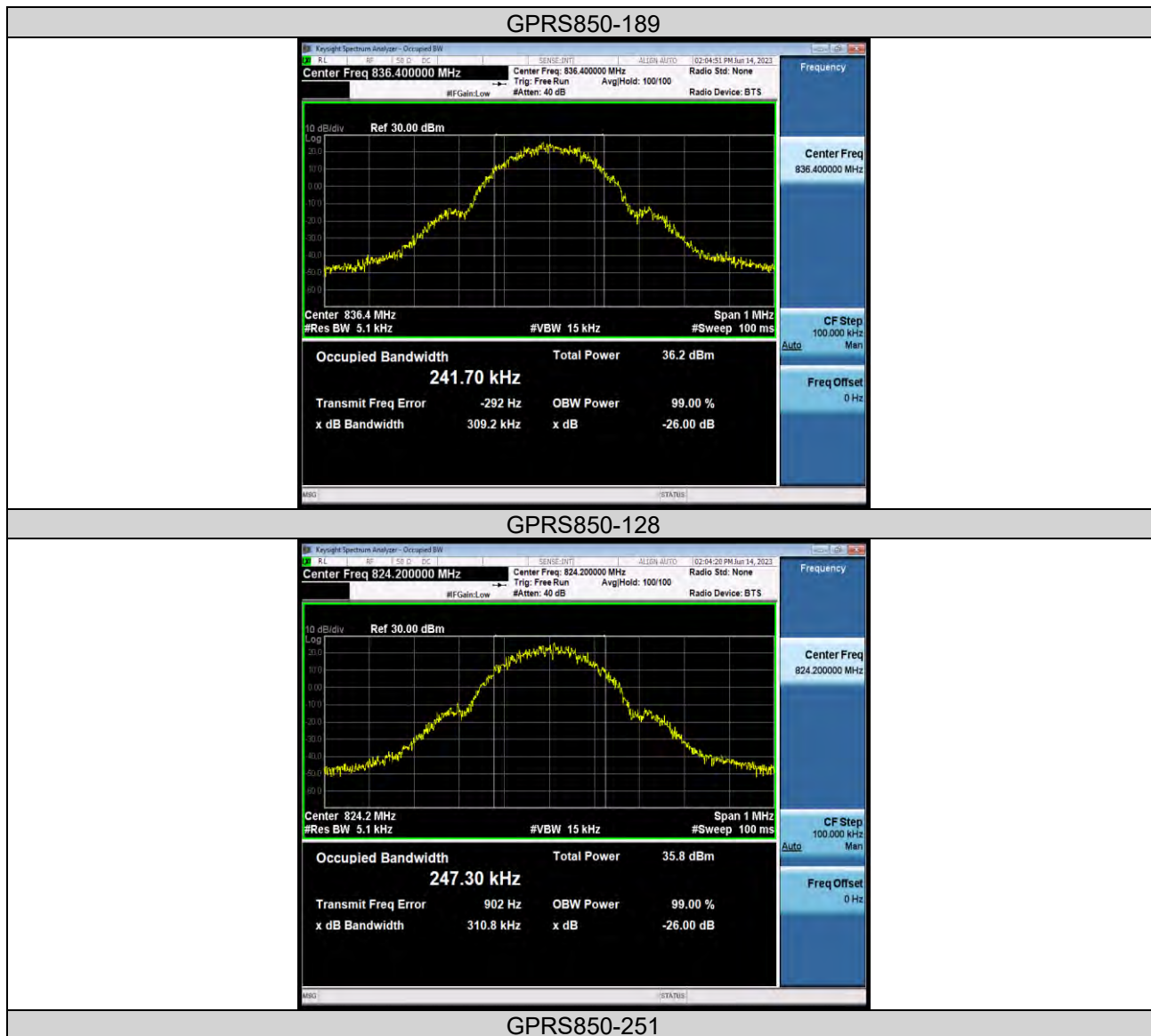
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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	189	0.24170	0.3092	---	PASS
GPRS850	128	0.24730	0.3108	---	PASS
GPRS850	251	0.24483	0.3117	---	PASS
EGPRS850	189	0.24375	0.3129	---	PASS
EGPRS850	128	0.24367	0.3079	---	PASS
EGPRS850	251	0.24458	0.3132	---	PASS

Test Graphs



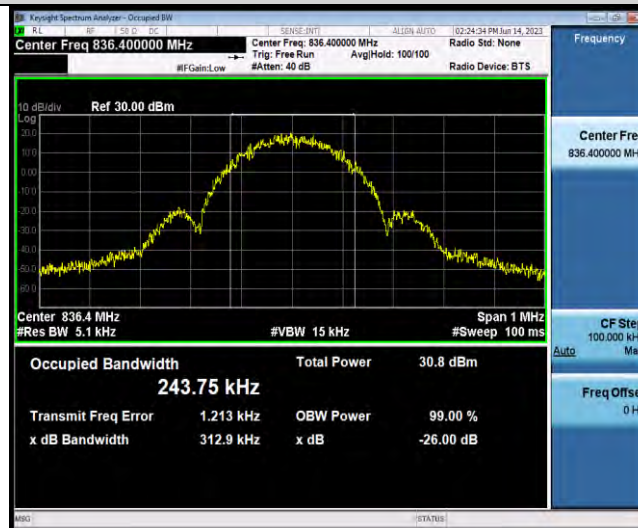


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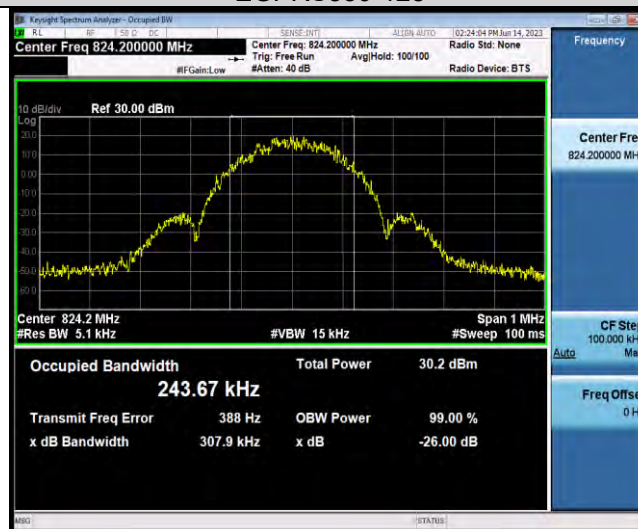
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EGPRS850-189



EGPRS850-128

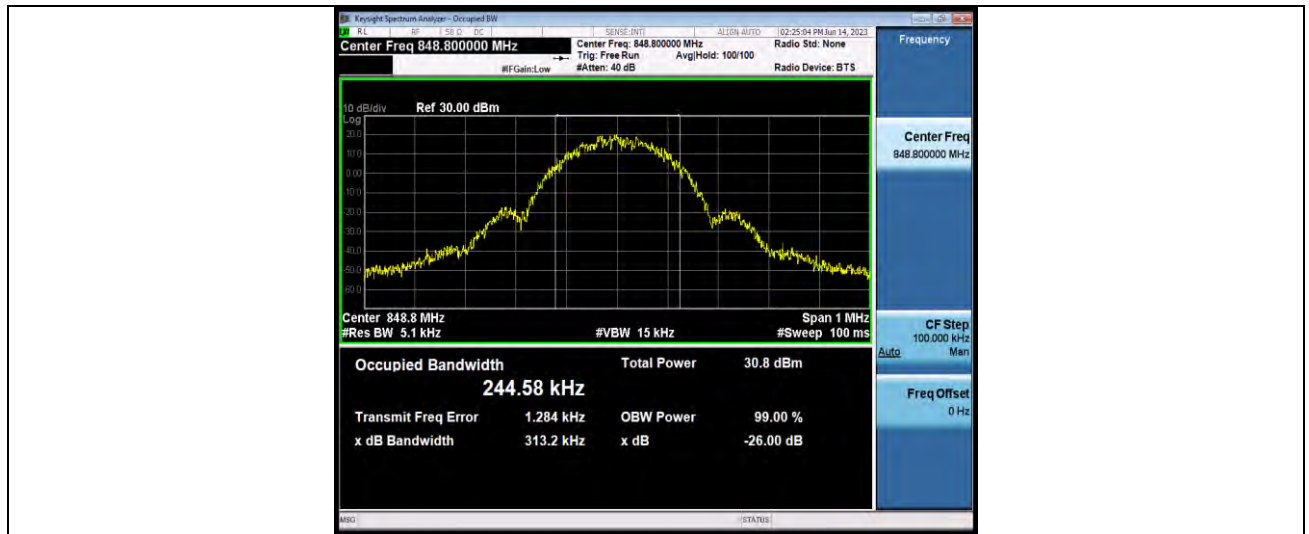


EGPRS850-251



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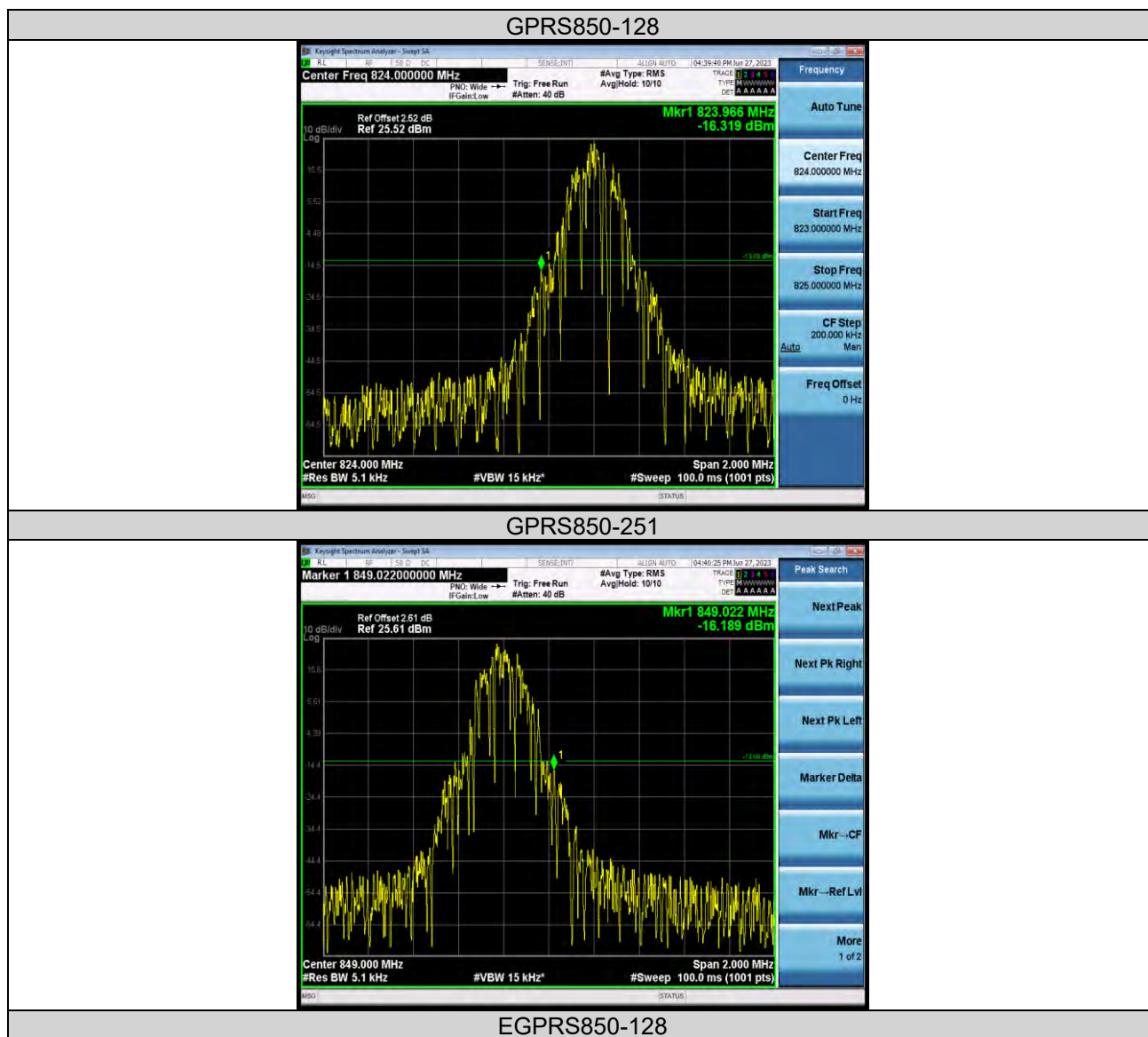


BAND EDGE

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.97	-16.32	-13	PASS
GPRS850	251	849.02	-16.19	-13	PASS
EGPRS850	128	823.97	-18.96	-13	PASS
EGPRS850	251	849.02	-20.23	-13	PASS

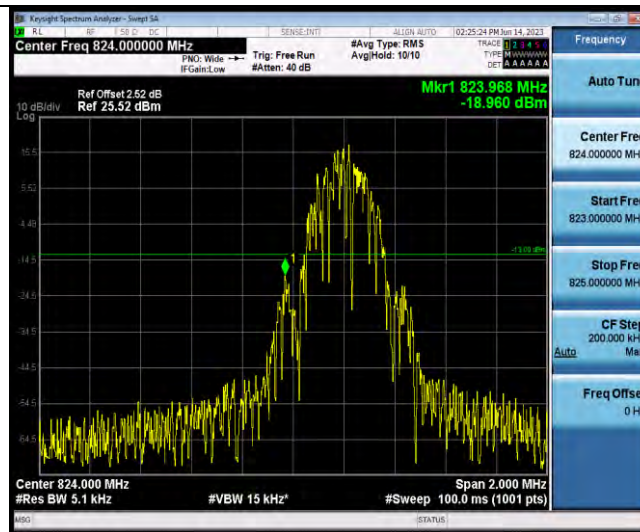
Test Graphs





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EGPRS850-251

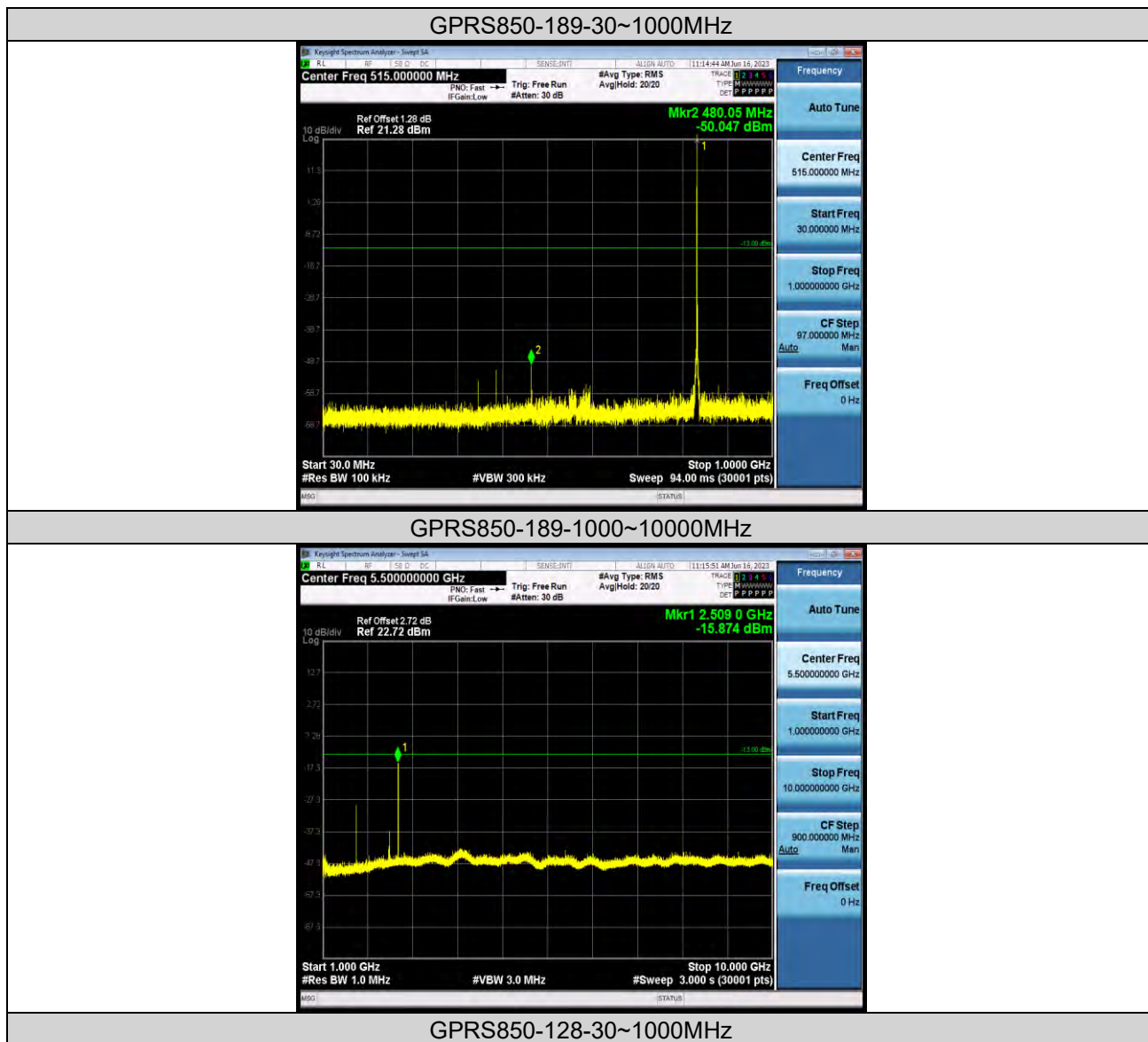


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	189	30~1000MHz	480.05	-50.05	-13	PASS
GPRS850	189	1000~10000MHz	2509	-15.87	-13	PASS
GPRS850	128	30~1000MHz	364.84	-55.81	-13	PASS
GPRS850	128	1000~10000MHz	2472.4	-16.09	-13	PASS
GPRS850	251	30~1000MHz	598.61	-57.43	-13	PASS
GPRS850	251	1000~10000MHz	2546.5	-16.65	-13	PASS
EGPRS850	189	30~1000MHz	590.01	-56.89	-13	PASS
EGPRS850	189	1000~10000MHz	2509.3	-23.4	-13	PASS
EGPRS850	128	30~1000MHz	364.88	-57.37	-13	PASS
EGPRS850	128	1000~10000MHz	2472.7	-24.68	-13	PASS
EGPRS850	251	30~1000MHz	556.77	-50.37	-13	PASS
EGPRS850	251	1000~10000MHz	2546.5	-23.59	-13	PASS

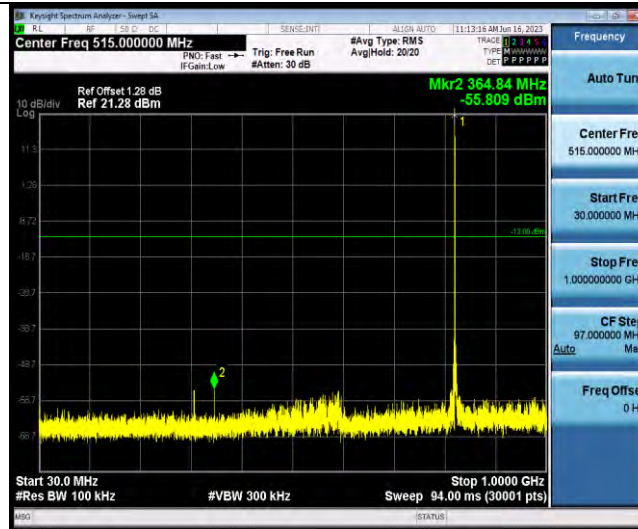
Test Graphs



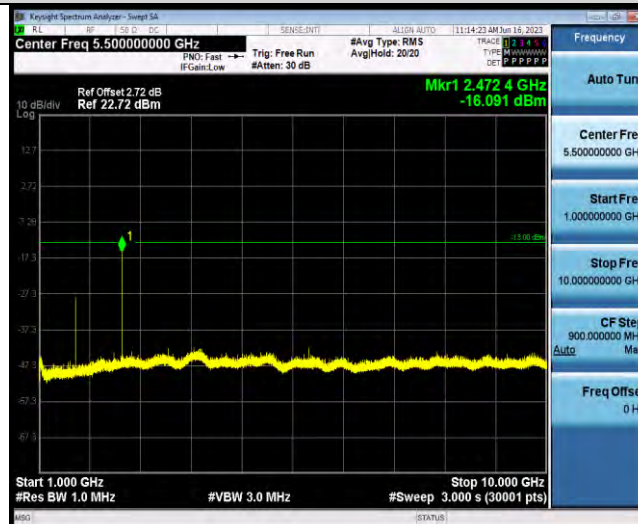


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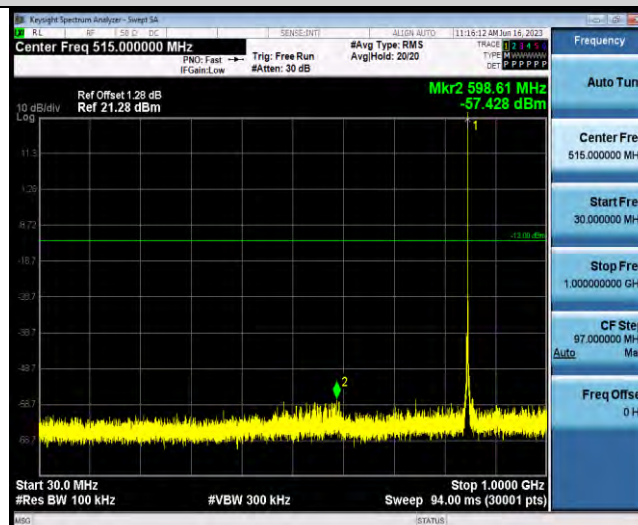
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GPRS850-128-1000~10000MHz



GPRS850-251-30~1000MHz



GPRS850-251-1000~10000MHz

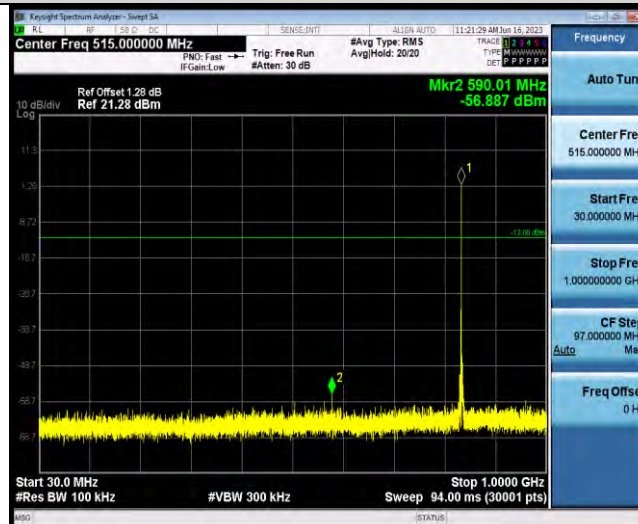


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EGPRS850-189-30~1000MHz



EGPRS850-189-1000~10000MHz

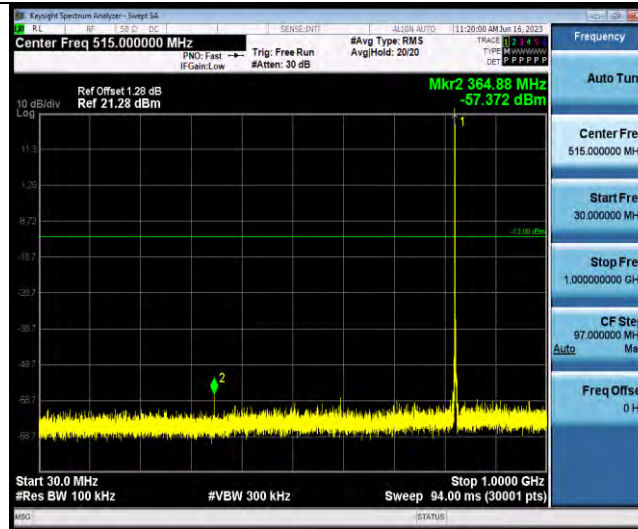


EGPRS850-128-30~1000MHz

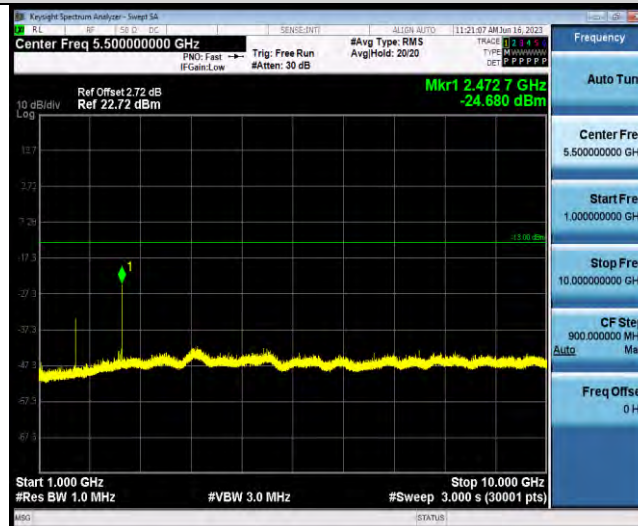


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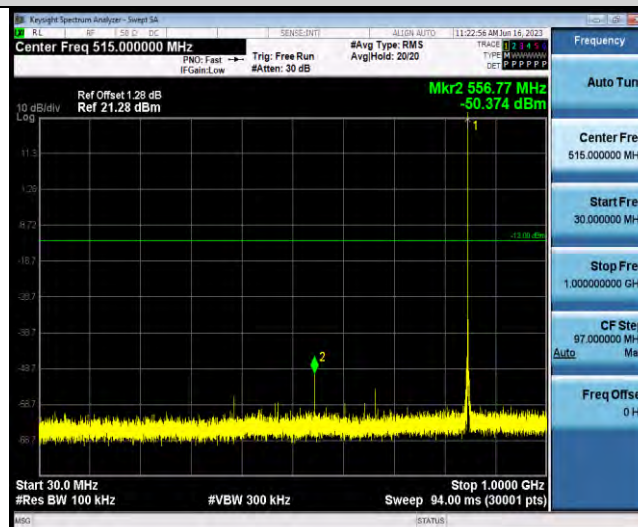
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EGPRS850-128-1000~10000MHz



EGPRS850-251-30~1000MHz



EGPRS850-251-1000~10000MHz



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FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	189	VL	NT	28.73	0.034350	±2.5	PASS
GPRS850	189	VN	NT	29.32	0.035055	±2.5	PASS
GPRS850	189	VH	NT	29.38	0.035127	±2.5	PASS
GPRS850	128	VL	NT	30.64	0.037175	±2.5	PASS
GPRS850	128	VN	NT	33.48	0.040621	±2.5	PASS
GPRS850	128	VH	NT	32.80	0.039796	±2.5	PASS
GPRS850	251	VL	NT	34.80	0.040999	±2.5	PASS
GPRS850	251	VN	NT	32.16	0.037889	±2.5	PASS
GPRS850	251	VH	NT	31.06	0.036593	±2.5	PASS
EGPRS850	189	VL	NT	31.16	0.037255	±2.5	PASS
EGPRS850	189	VN	NT	30.51	0.036478	±2.5	PASS
EGPRS850	189	VH	NT	32.35	0.038678	±2.5	PASS
EGPRS850	128	VL	NT	29.70	0.036035	±2.5	PASS
EGPRS850	128	VN	NT	32.00	0.038826	±2.5	PASS
EGPRS850	128	VH	NT	28.12	0.034118	±2.5	PASS
EGPRS850	251	VL	NT	32.67	0.038490	±2.5	PASS
EGPRS850	251	VN	NT	30.70	0.036169	±2.5	PASS
EGPRS850	251	VH	NT	33.48	0.039444	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	189	NV	-30	29.99	0.035856	±2.5	PASS
GPRS850	189	NV	-20	29.80	0.035629	±2.5	PASS
GPRS850	189	NV	-10	28.99	0.034660	±2.5	PASS
GPRS850	189	NV	0	31.16	0.037255	±2.5	PASS
GPRS850	189	NV	10	28.25	0.033776	±2.5	PASS
GPRS850	189	NV	20	28.48	0.034051	±2.5	PASS
GPRS850	189	NV	30	31.87	0.038104	±2.5	PASS
GPRS850	189	NV	40	29.83	0.035665	±2.5	PASS
GPRS850	189	NV	50	30.32	0.036251	±2.5	PASS



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GPRS850	128	NV	-30	30.93	0.037527	±2.5	PASS
GPRS850	128	NV	-20	33.22	0.040306	±2.5	PASS
GPRS850	128	NV	-10	30.19	0.036629	±2.5	PASS
GPRS850	128	NV	0	29.90	0.036278	±2.5	PASS
GPRS850	128	NV	10	29.96	0.036350	±2.5	PASS
GPRS850	128	NV	20	32.67	0.039638	±2.5	PASS
GPRS850	128	NV	30	30.45	0.036945	±2.5	PASS
GPRS850	128	NV	40	28.93	0.035101	±2.5	PASS
GPRS850	128	NV	50	31.35	0.038037	±2.5	PASS
GPRS850	251	NV	-30	31.09	0.036628	±2.5	PASS
GPRS850	251	NV	-20	29.61	0.034885	±2.5	PASS
GPRS850	251	NV	-10	32.80	0.038643	±2.5	PASS
GPRS850	251	NV	0	31.28	0.036852	±2.5	PASS
GPRS850	251	NV	10	32.58	0.038384	±2.5	PASS
GPRS850	251	NV	20	29.54	0.034802	±2.5	PASS
GPRS850	251	NV	30	31.93	0.037618	±2.5	PASS
GPRS850	251	NV	40	28.38	0.033435	±2.5	PASS
GPRS850	251	NV	50	28.64	0.033742	±2.5	PASS
EGPRS850	189	NV	-30	27.18	0.032496	±2.5	PASS
EGPRS850	189	NV	-20	30.35	0.036286	±2.5	PASS
EGPRS850	189	NV	-10	32.96	0.039407	±2.5	PASS
EGPRS850	189	NV	0	30.67	0.036669	±2.5	PASS
EGPRS850	189	NV	10	27.18	0.032496	±2.5	PASS
EGPRS850	189	NV	20	30.45	0.036406	±2.5	PASS
EGPRS850	189	NV	30	26.86	0.032114	±2.5	PASS
EGPRS850	189	NV	40	28.96	0.034625	±2.5	PASS
EGPRS850	189	NV	50	27.89	0.033345	±2.5	PASS
EGPRS850	128	NV	-30	28.64	0.034749	±2.5	PASS
EGPRS850	128	NV	-20	30.25	0.036702	±2.5	PASS
EGPRS850	128	NV	-10	28.57	0.034664	±2.5	PASS
EGPRS850	128	NV	0	28.64	0.034749	±2.5	PASS
EGPRS850	128	NV	10	28.25	0.034276	±2.5	PASS
EGPRS850	128	NV	20	29.54	0.035841	±2.5	PASS
EGPRS850	128	NV	30	29.48	0.035768	±2.5	PASS
EGPRS850	128	NV	40	27.60	0.033487	±2.5	PASS



EGPRS85 0	128	NV	50	28.38	0.034433	±2.5	PASS
EGPRS85 0	251	NV	-30	30.15	0.035521	±2.5	PASS
EGPRS85 0	251	NV	-20	27.54	0.032446	±2.5	PASS
EGPRS85 0	251	NV	-10	27.54	0.032446	±2.5	PASS
EGPRS85 0	251	NV	0	28.57	0.033659	±2.5	PASS
EGPRS85 0	251	NV	10	28.51	0.033589	±2.5	PASS
EGPRS85 0	251	NV	20	28.83	0.033966	±2.5	PASS
EGPRS85 0	251	NV	30	29.48	0.034731	±2.5	PASS
EGPRS85 0	251	NV	40	27.09	0.031916	±2.5	PASS
EGPRS85 0	251	NV	50	26.47	0.031185	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	836.27915	≥ 824	PASS
$f_H + \text{MAX}(\Delta f) $	848.922415	≤ 849	

Note : 1. $|\text{MAX}(\Delta f)|$ = Max Deviation

2. f_L = Occ low channel f_L (-13dBm/MHz)

3. f_H = Occ High channel f_H (-13dBm/MHz)

4. $|\text{MAX}(\Delta f)|$ = 34.8Hz.

WCMDA BAND5

PEAK-TO-AVERAGE RATIO

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	2.58	13	PASS
Band5	4182	3.09	13	PASS
Band5	4233	2.54	13	PASS

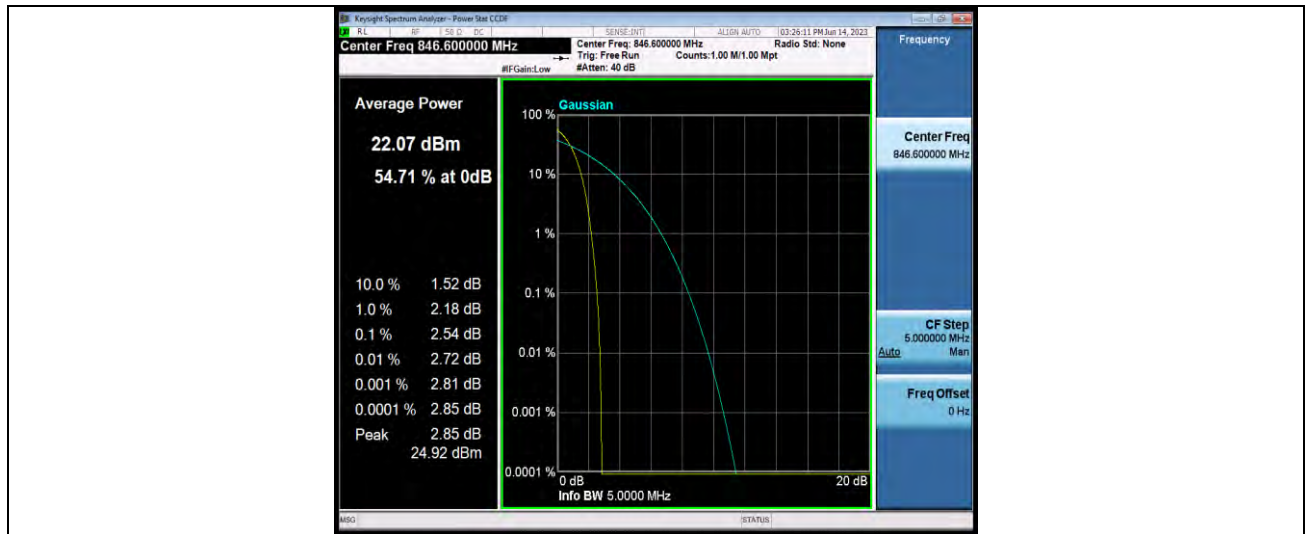
Test Graphs





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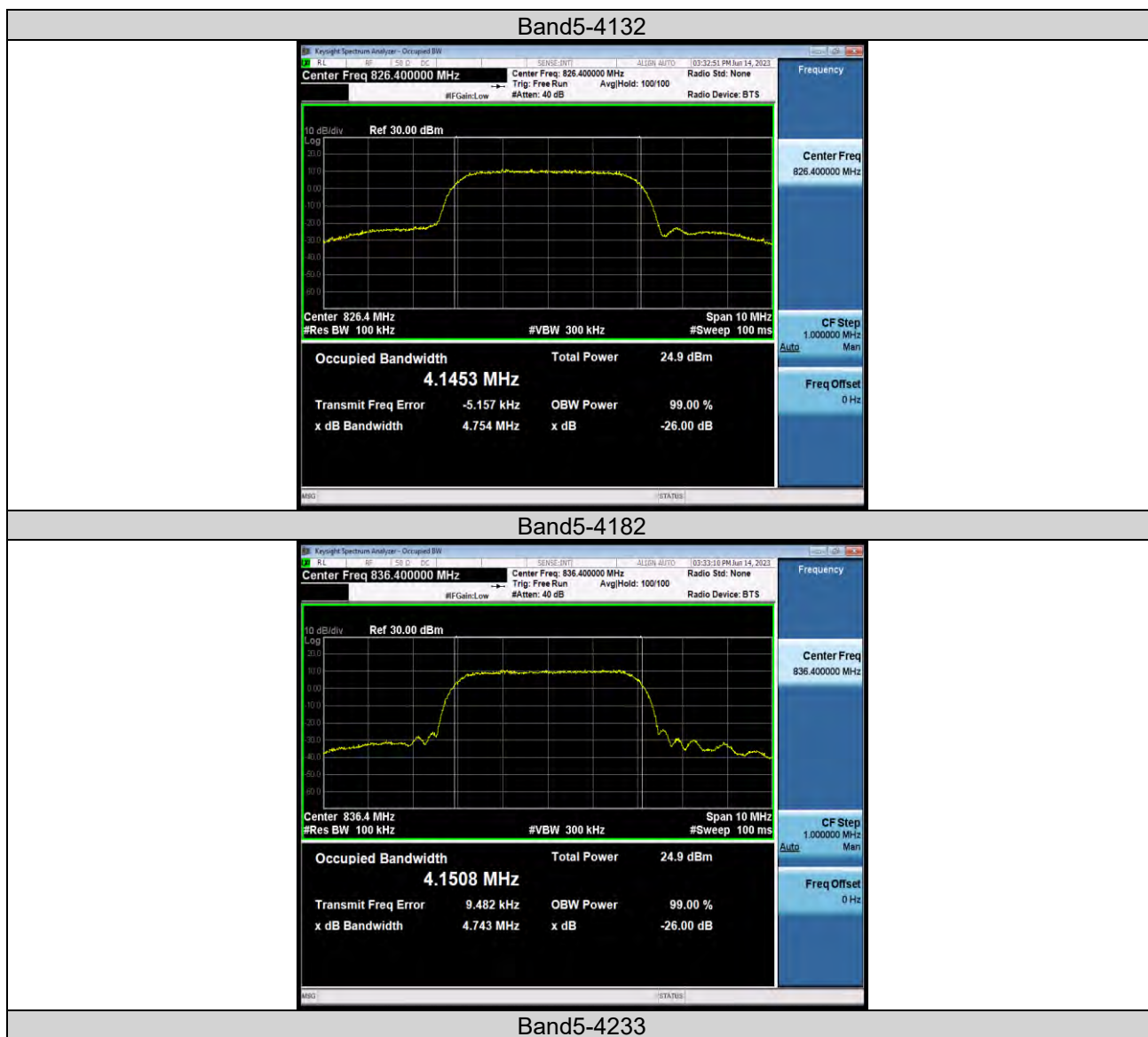
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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band5	4132	4.1453	4.754	---	PASS
Band5	4182	4.1508	4.743	---	PASS
Band5	4233	4.1768	4.788	---	PASS

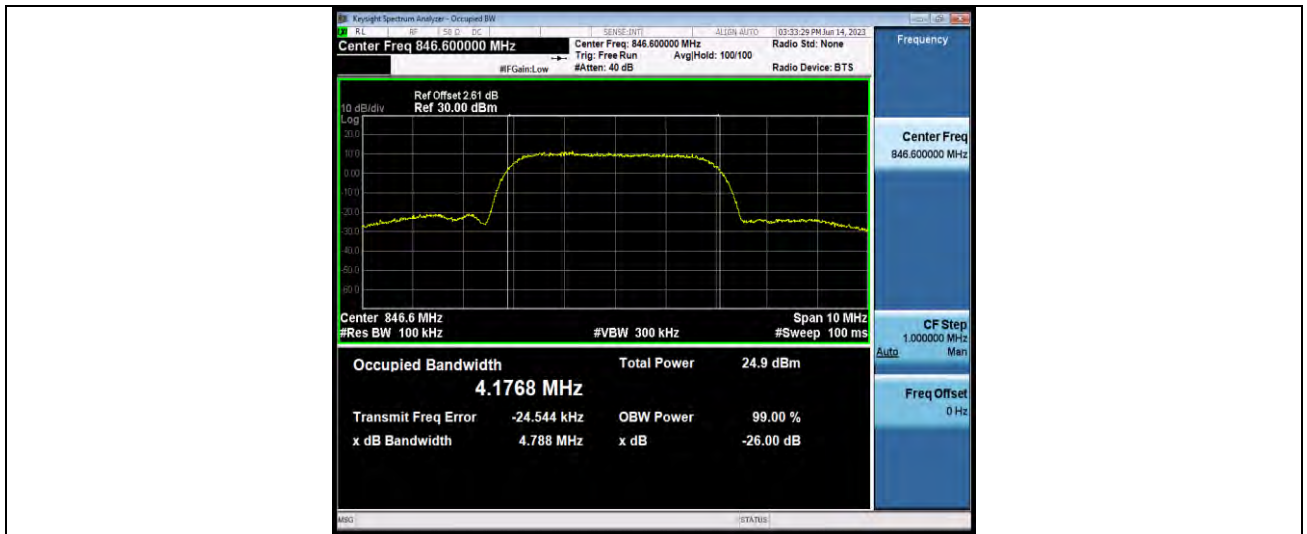
Test Graphs





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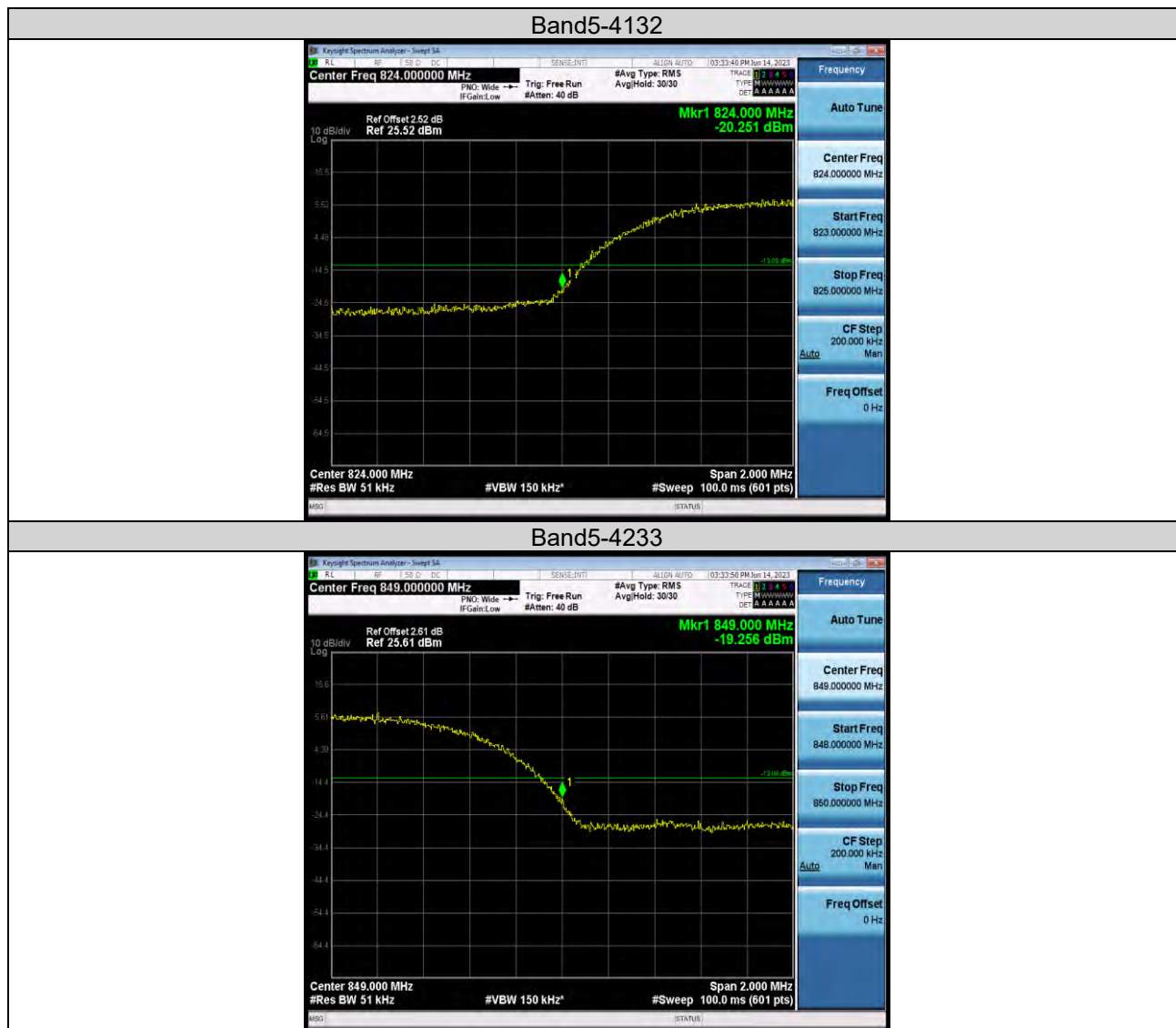
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BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	824.00	-20.25	-13	PASS
Band5	4233	849.00	-19.26	-13	PASS

Test Graphs

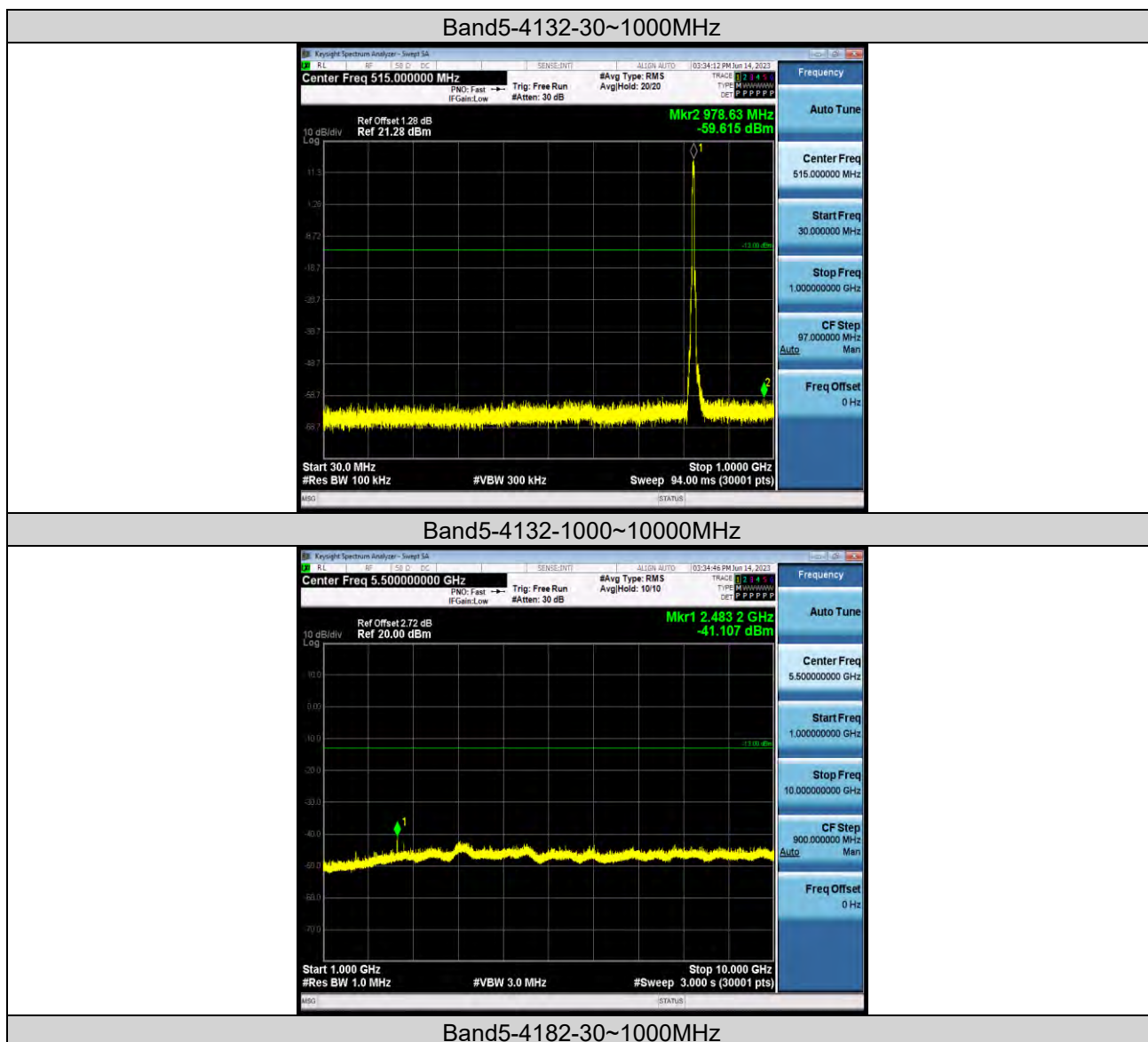


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	30~1000MHz	978.63	-59.62	-13	PASS
Band5	4132	1000~10000MHz	2483.2	-41.11	-13	PASS
Band5	4182	30~1000MHz	996.28	-59.54	-13	PASS
Band5	4182	1000~10000MHz	2511.4	-41.67	-13	PASS
Band5	4233	30~1000MHz	977.33	-57.7	-13	PASS
Band5	4233	1000~10000MHz	3800.8	-41.32	-13	PASS

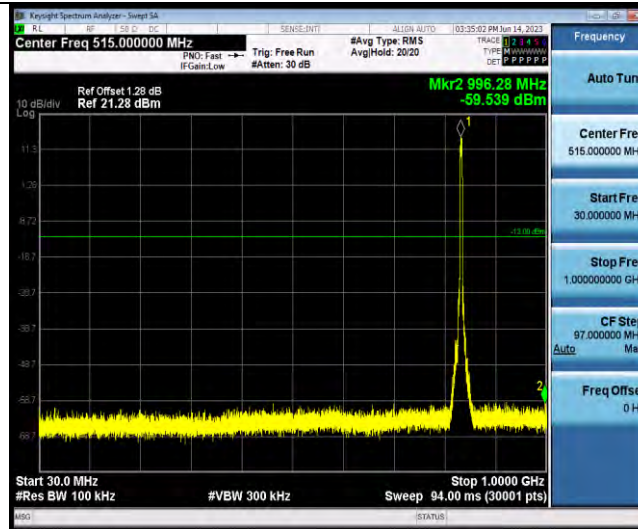
Test Graphs





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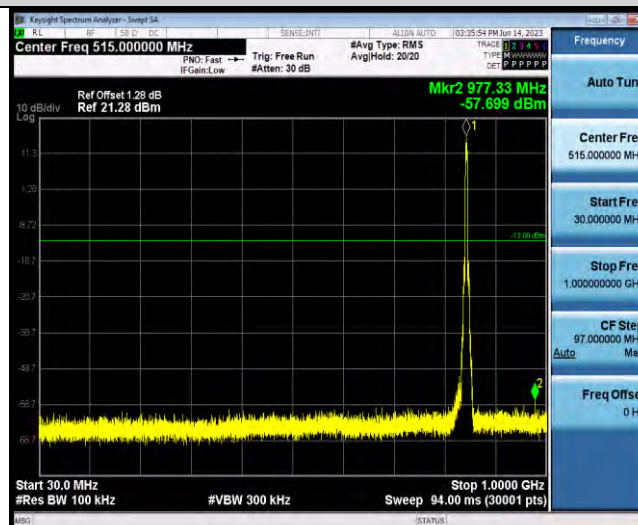
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Band5-4182-1000~10000MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



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FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	LV	NT	2.02	0.002444	±2.5	PASS
Band5	4132	NV	NT	2.20	0.002662	±2.5	PASS
Band5	4132	HV	NT	1.76	0.002130	±2.5	PASS
Band5	4182	LV	NT	-0.39	-0.000466	±2.5	PASS
Band5	4182	NV	NT	-0.41	-0.000490	±2.5	PASS
Band5	4182	HV	NT	-0.58	-0.000693	±2.5	PASS
Band5	4233	LV	NT	-2.37	-0.002799	±2.5	PASS
Band5	4233	NV	NT	-2.32	-0.002740	±2.5	PASS
Band5	4233	HV	NT	-2.00	-0.002362	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	2.00	0.002420	±2.5	PASS
Band5	4132	NV	-20	1.80	0.002178	±2.5	PASS
Band5	4132	NV	-10	1.65	0.001997	±2.5	PASS
Band5	4132	NV	0	0.91	0.001101	±2.5	PASS
Band5	4132	NV	10	1.09	0.001319	±2.5	PASS
Band5	4132	NV	20	1.27	0.001537	±2.5	PASS
Band5	4132	NV	30	0.97	0.001174	±2.5	PASS
Band5	4132	NV	40	1.34	0.001621	±2.5	PASS
Band5	4132	NV	50	1.27	0.001537	±2.5	PASS
Band5	4182	NV	-30	-0.18	-0.000215	±2.5	PASS
Band5	4182	NV	-20	-0.35	-0.000418	±2.5	PASS
Band5	4182	NV	-10	-0.09	-0.000108	±2.5	PASS
Band5	4182	NV	0	-0.01	-0.000012	±2.5	PASS
Band5	4182	NV	10	0.19	0.000227	±2.5	PASS
Band5	4182	NV	20	-0.36	-0.000430	±2.5	PASS
Band5	4182	NV	30	0.24	0.000287	±2.5	PASS
Band5	4182	NV	40	-0.05	-0.000060	±2.5	PASS
Band5	4182	NV	50	0.09	0.000108	±2.5	PASS
Band5	4233	NV	-30	-2.33	-0.002752	±2.5	PASS
Band5	4233	NV	-20	-2.40	-0.002835	±2.5	PASS
Band5	4233	NV	-10	-1.90	-0.002244	±2.5	PASS
Band5	4233	NV	0	-2.75	-0.003248	±2.5	PASS
Band5	4233	NV	10	-2.22	-0.002622	±2.5	PASS
Band5	4233	NV	20	-2.09	-0.002469	±2.5	PASS
Band5	4233	NV	30	-2.24	-0.002646	±2.5	PASS
Band5	4233	NV	40	-2.19	-0.002587	±2.5	PASS
Band5	4233	NV	50	-2.56	-0.003024	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	824.3273	≥ 824	PASS
$f_H + \text{MAX}(\Delta f) $	848.6884	≤ 849	

Note : 1. $|\text{MAX}(\Delta f)|$ = Max Deviation

2. f_L = Occ low channel f_L (-13dBm/MHz)

3. f_H = Occ High channel f_H (-13dBm/MHz)

4. $|\text{MAX}(\Delta f)|$ = -2.75Hz.

LTE BAND5

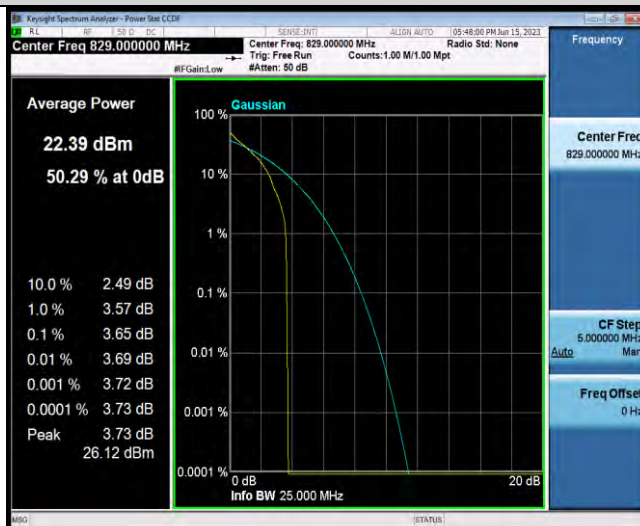
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

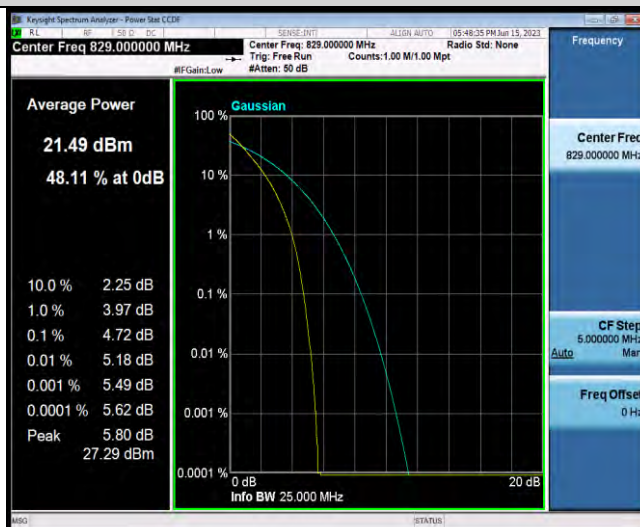
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	3.65	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.72	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.37	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.58	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.73	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.68	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.46	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.37	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.40	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.48	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.55	13	PASS

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0



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

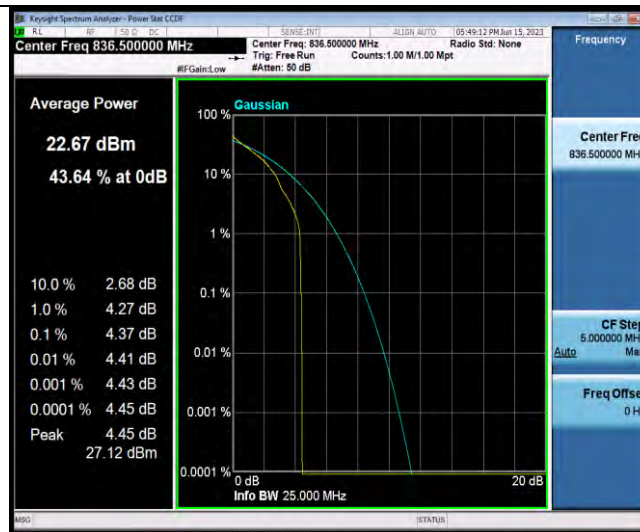


Band5-10MHz-QPSK-20525-1RB#0

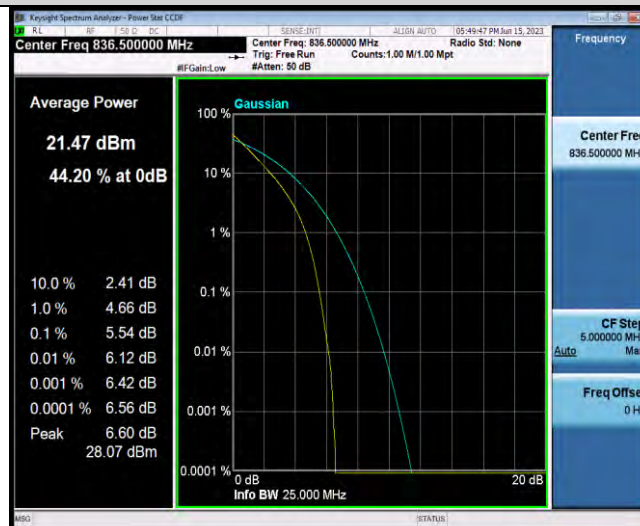


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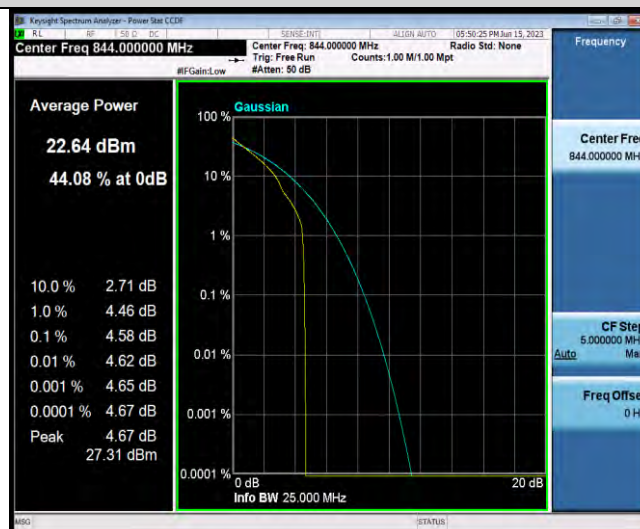
Test Report No.: W7L-P23060003RF02



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



Band5-10MHz-QPSK-20600-1RB#0

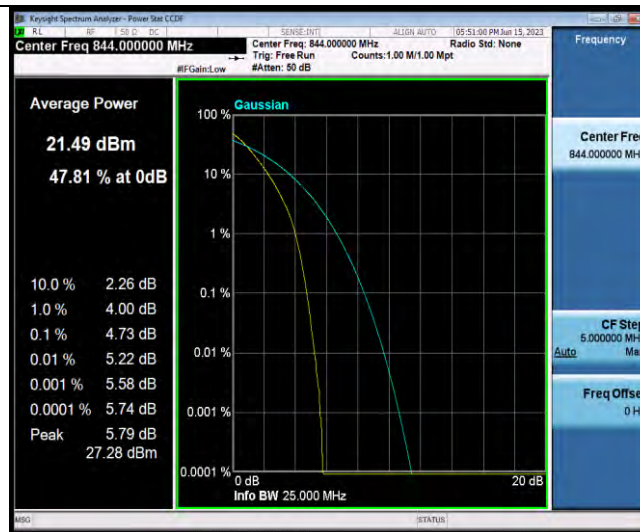


Band5-10MHz-QPSK-20600-50RB#0

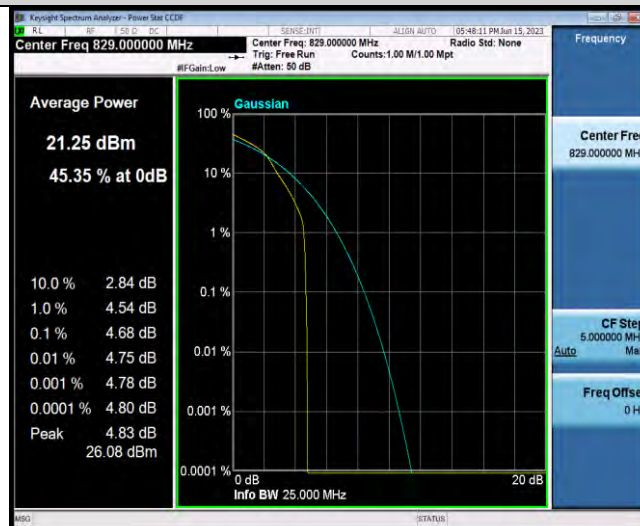


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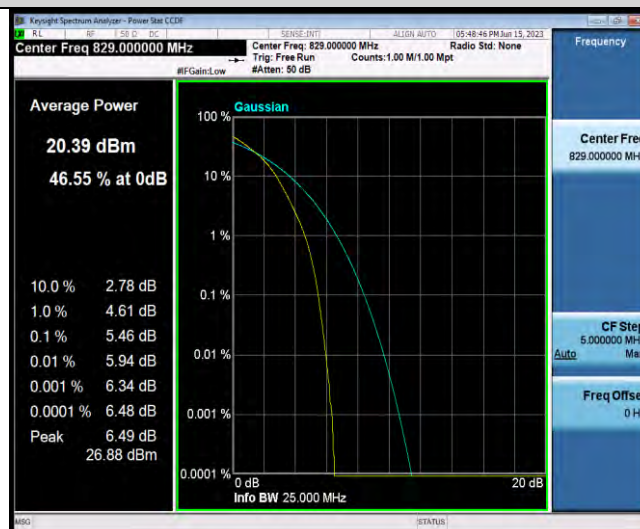
Test Report No.: W7L-P23060003RF02



Band5-10MHz-16QAM-20450-1RB#0



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

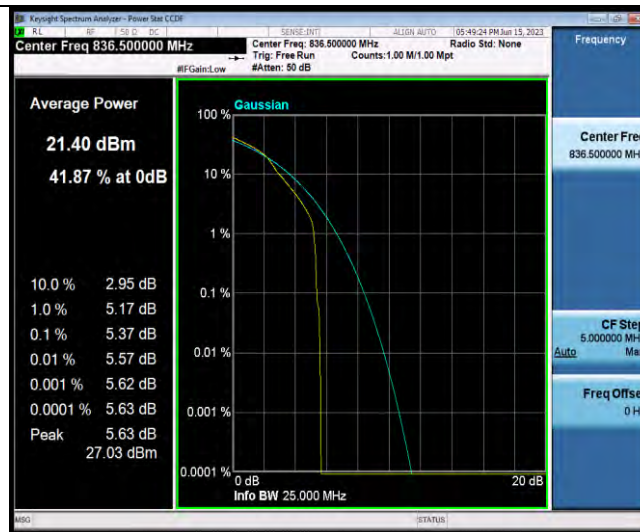


Band5-10MHz-16QAM-20525-1RB#0

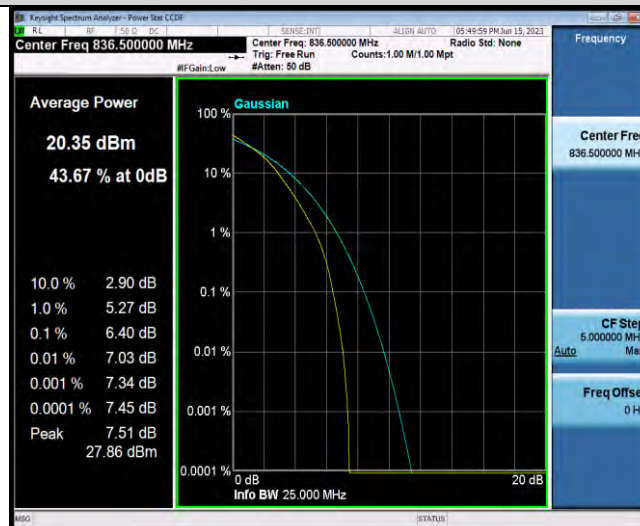


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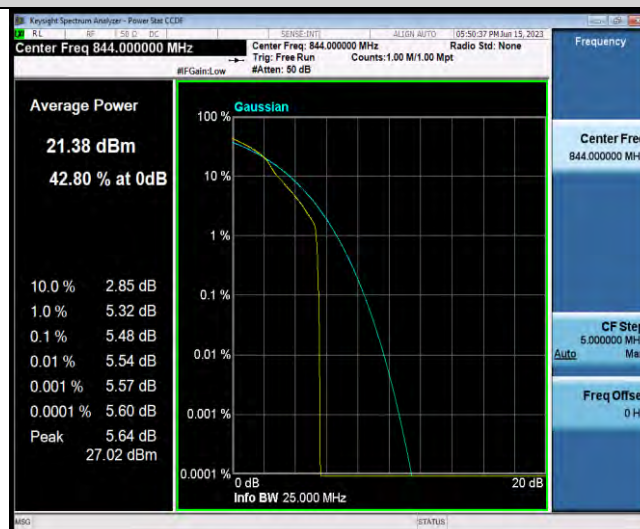
Test Report No.: W7L-P23060003RF02



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



Band5-10MHz-16QAM-20600-1RB#0

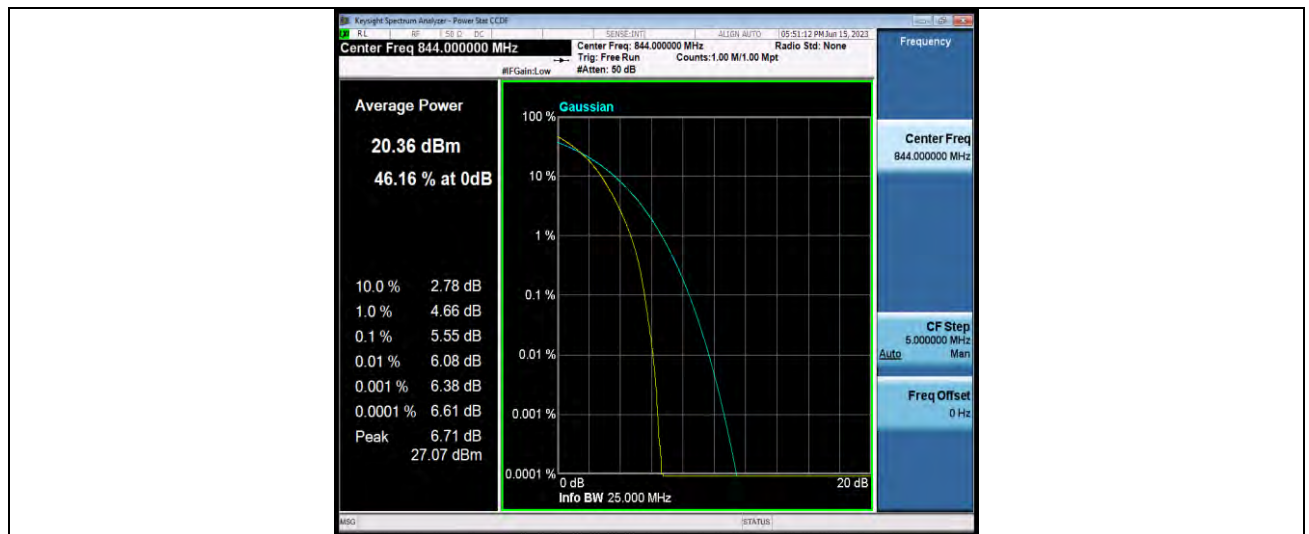


Band5-10MHz-16QAM-20600-50RB#0



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Test Report No.: W7L-P23060003RF02





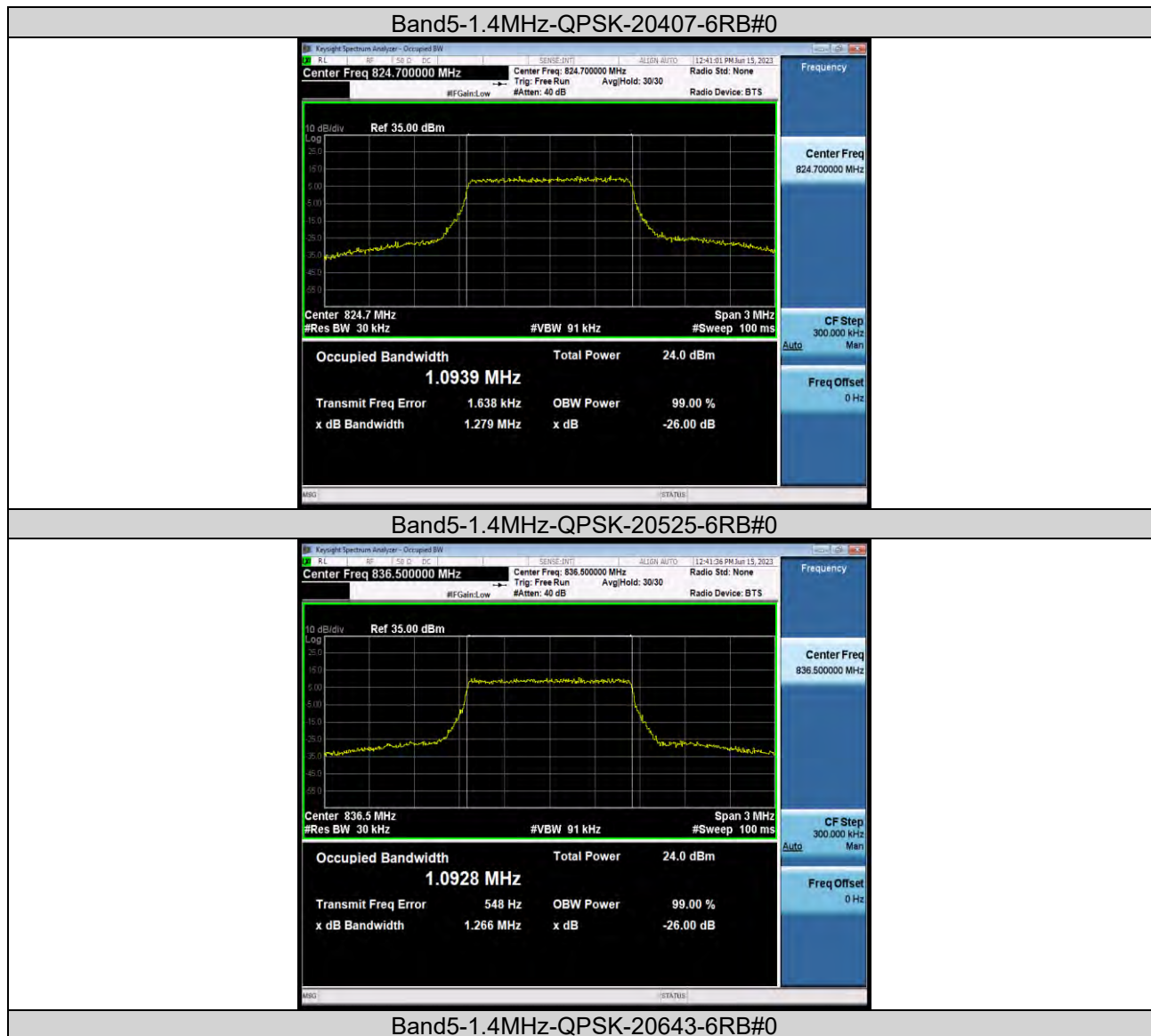
Test Report No.: W7L-P23060003RF02

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0939	1.279	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0928	1.266	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0936	1.244	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0915	1.262	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0899	1.263	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0914	1.240	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6961	2.931	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6991	2.935	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6989	2.925	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6949	2.922	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6945	2.927	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7007	2.936	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4944	4.895	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5085	4.879	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5068	4.849	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5020	4.896	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5060	4.877	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5049	4.904	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9683	9.548	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9842	9.528	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9339	9.528	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9555	9.546	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9833	9.554	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9381	9.510	PASS

Test Graphs



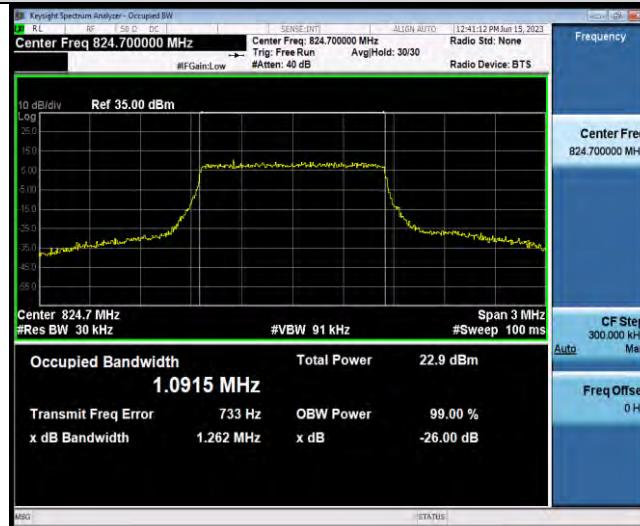


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Test Report No.: W7L-P23060003RF02



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



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

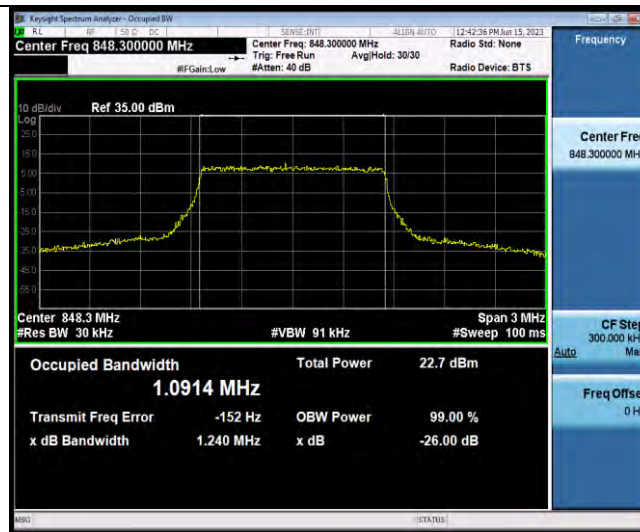


Band5-1.4MHz-16QAM-20643-6RB#0



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Test Report No.: W7L-P23060003RF02



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



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

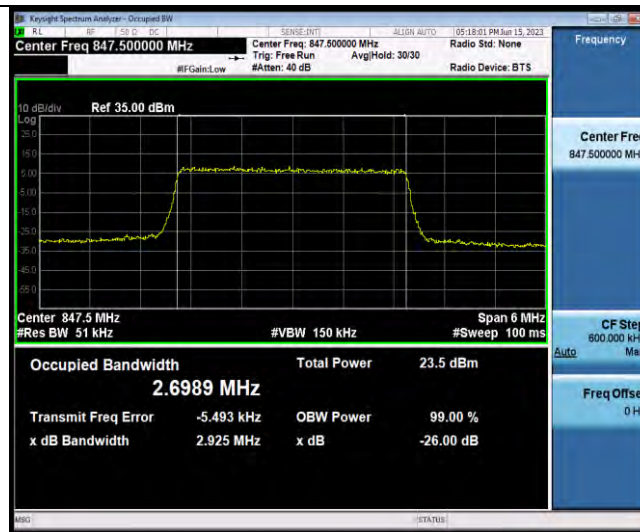


Band5-3MHz-QPSK-20635-15RB#0



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Test Report No.: W7L-P23060003RF02



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



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

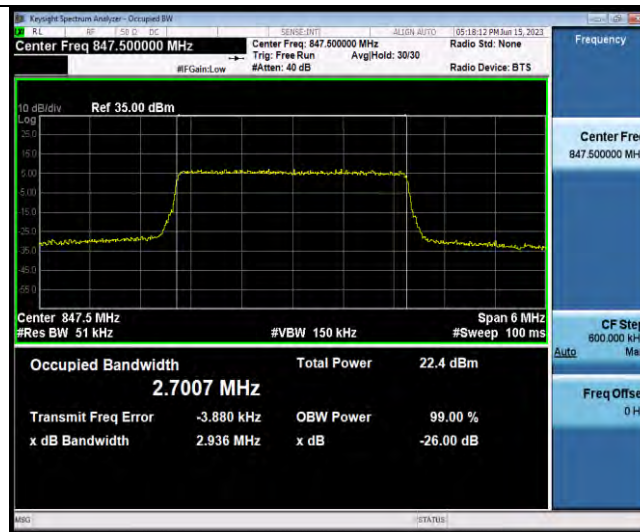


Band5-3MHz-16QAM-20635-15RB#0



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Test Report No.: W7L-P23060003RF02



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



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



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



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Test Report No.: W7L-P23060003RF02



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



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



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



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Test Report No.: W7L-P23060003RF02



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



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



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



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Test Report No.: W7L-P23060003RF02





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VERITAS

Test Report No.: W7L-P23060003RF02

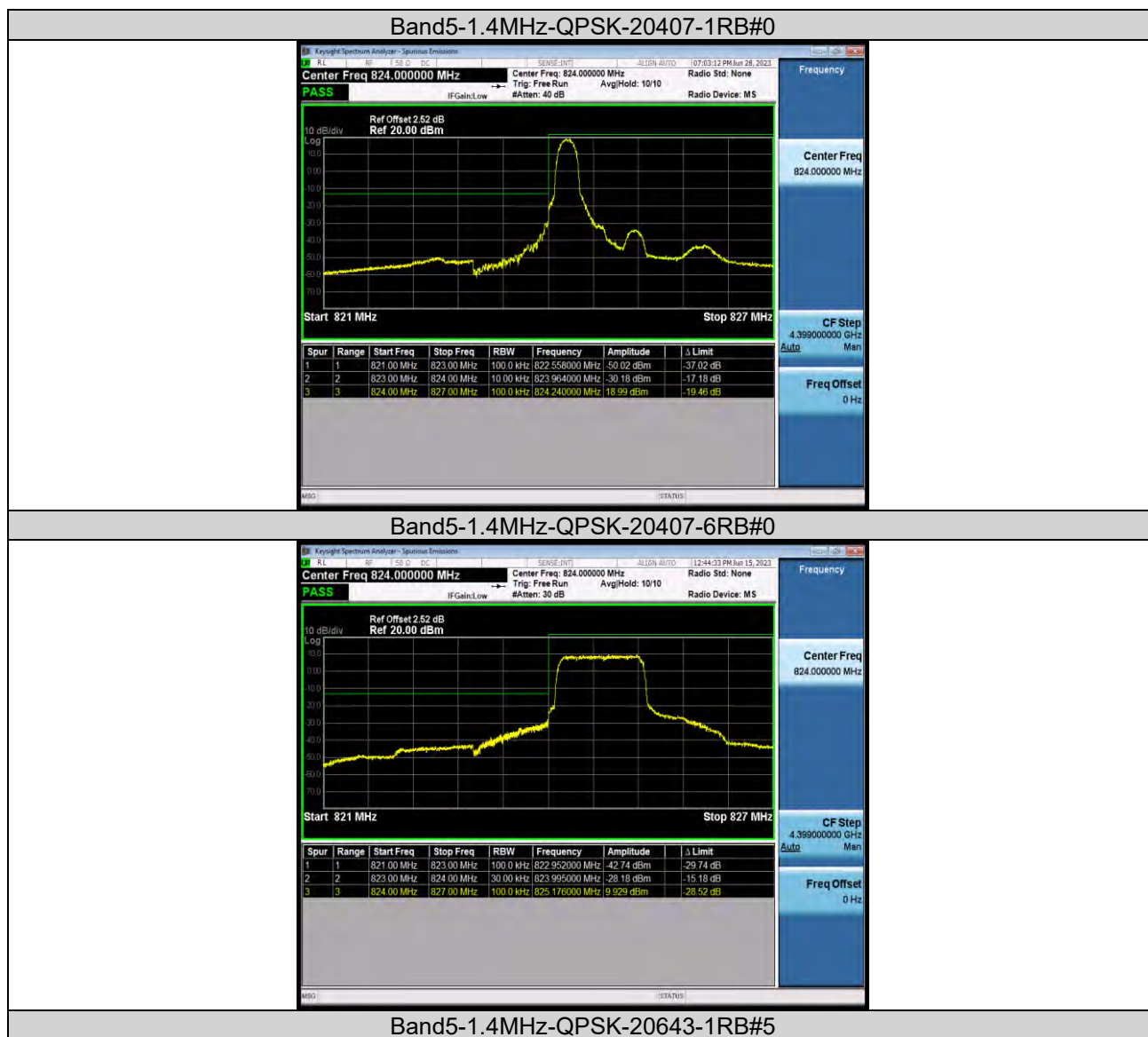


BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-50.02,-30.18	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-42.74,-28.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-27.49,-48.55	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-29.97,-41.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-50.80,-28.52	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-41.69,-29.79	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-29.40,-49.67	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-31.32,-40.81	PASS
Band5	3MHz	QPSK	20415	1RB#0	-49.08,-27.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	-30.47,-22.60	PASS
Band5	3MHz	QPSK	20635	1RB#14	-24.48,-48.87	PASS
Band5	3MHz	QPSK	20635	15RB#0	-27.39,-33.95	PASS
Band5	3MHz	16QAM	20415	1RB#0	-51.50,-31.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	-32.70,-25.62	PASS
Band5	3MHz	16QAM	20635	1RB#14	-28.54,-50.81	PASS
Band5	3MHz	16QAM	20635	15RB#0	-28.34,-33.91	PASS
Band5	5MHz	QPSK	20425	1RB#0	-50.36,-31.61	PASS
Band5	5MHz	QPSK	20425	25RB#0	-28.81,-24.80	PASS
Band5	5MHz	QPSK	20625	1RB#24	-26.81,-50.15	PASS
Band5	5MHz	QPSK	20625	25RB#0	-27.97,-31.54	PASS
Band5	5MHz	16QAM	20425	1RB#0	-52.56,-32.32	PASS
Band5	5MHz	16QAM	20425	25RB#0	-30.91,-27.22	PASS
Band5	5MHz	16QAM	20625	1RB#24	-33.22,-52.35	PASS
Band5	5MHz	16QAM	20625	25RB#0	-29.71,-32.58	PASS
Band5	10MHz	QPSK	20450	1RB#0	-51.62,-43.39	PASS
Band5	10MHz	QPSK	20450	50RB#0	-30.85,-23.38	PASS
Band5	10MHz	QPSK	20600	1RB#49	-44.27,-50.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	-26.08,-32.47	PASS
Band5	10MHz	16QAM	20450	1RB#0	-53.10,-44.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	-32.80,-25.55	PASS
Band5	10MHz	16QAM	20600	1RB#49	-44.77,-52.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	-28.03,-34.25	PASS

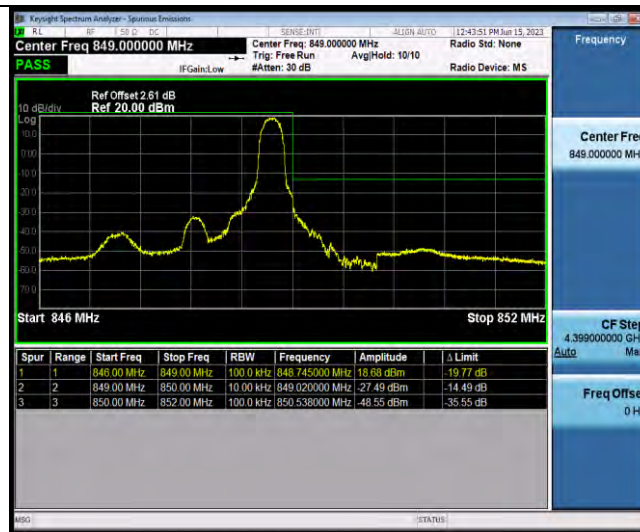
Test Graphs



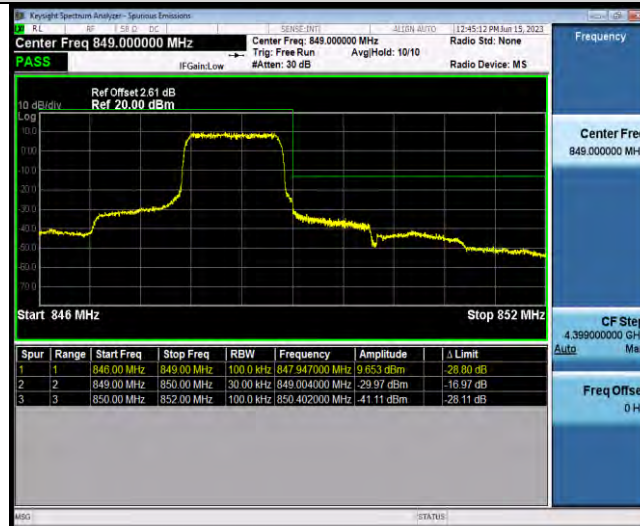


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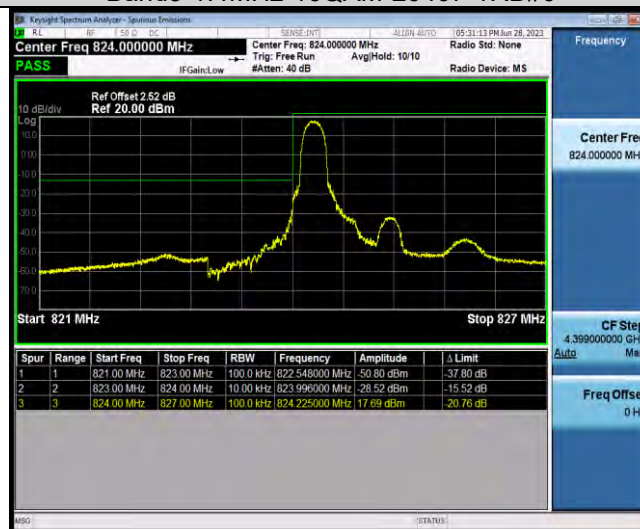
Test Report No.: W7L-P23060003RF02



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



Band5-1.4MHz-16QAM-20407-1RB#0



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

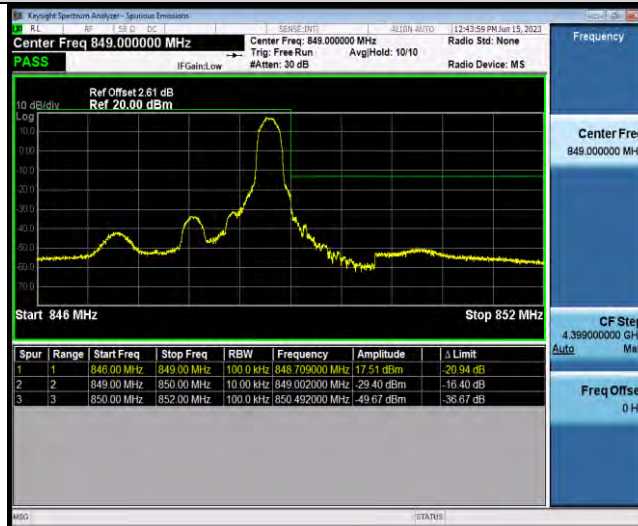


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Test Report No.: W7L-P23060003RF02



Band5-1.4MHz-16QAM-20643-1RB#5



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

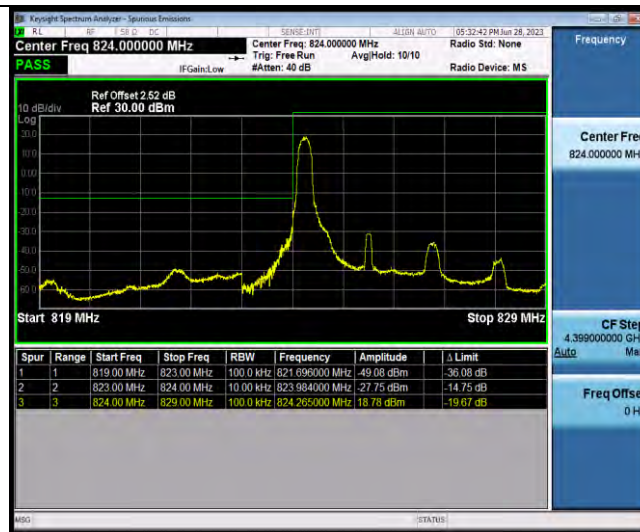


Band5-3MHz-QPSK-20415-1RB#0



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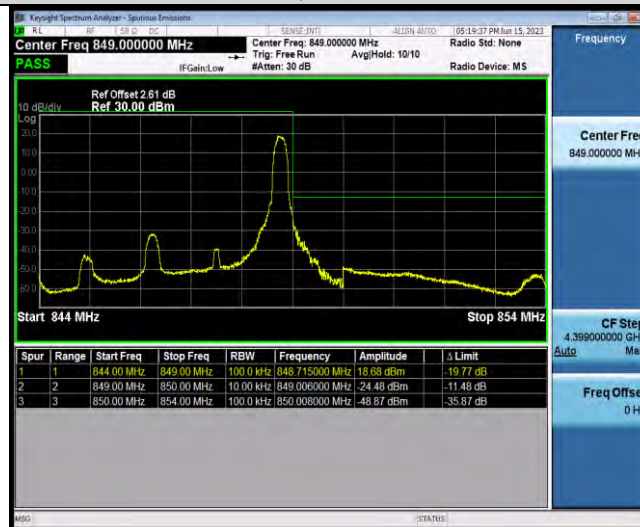
Test Report No.: W7L-P23060003RF02



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



Band5-3MHz-QPSK-20635-1RB#14



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

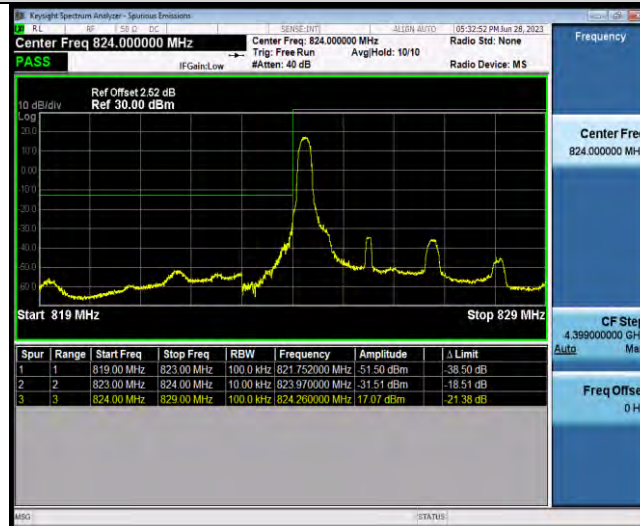


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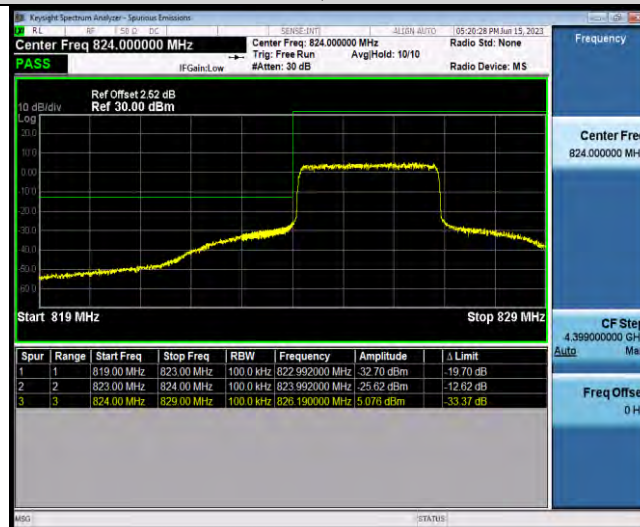
Test Report No.: W7L-P23060003RF02



Band5-3MHz-16QAM-20415-1RB#0



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

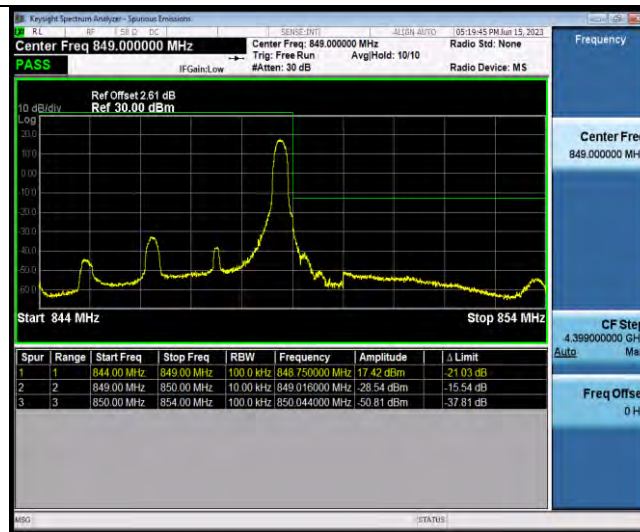


Band5-3MHz-16QAM-20635-1RB#14



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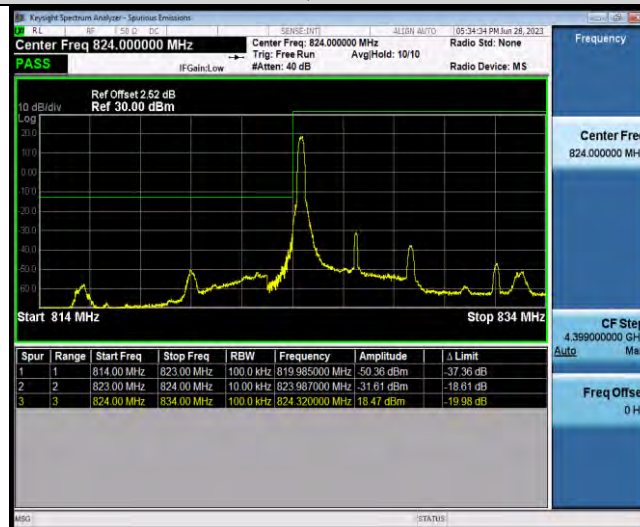
Test Report No.: W7L-P23060003RF02



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



Band5-5MHz-QPSK-20425-1RB#0



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

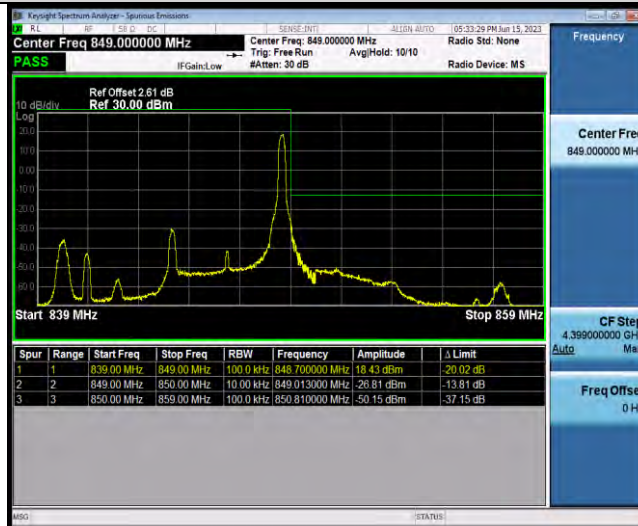


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Test Report No.: W7L-P23060003RF02



Band5-5MHz-QPSK-20625-1RB#24



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

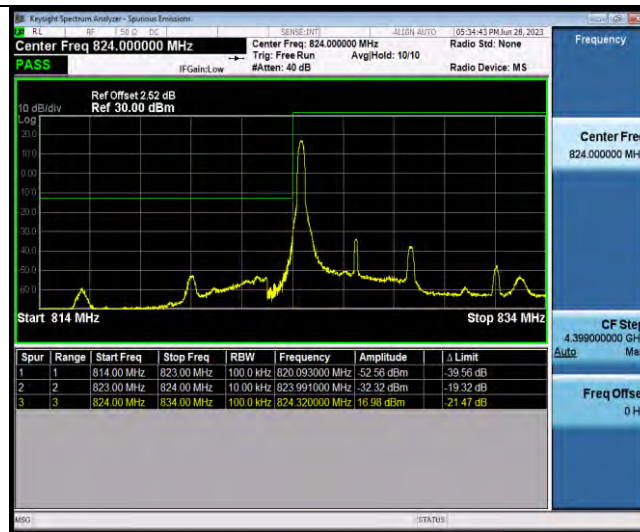


Band5-5MHz-16QAM-20425-1RB#0

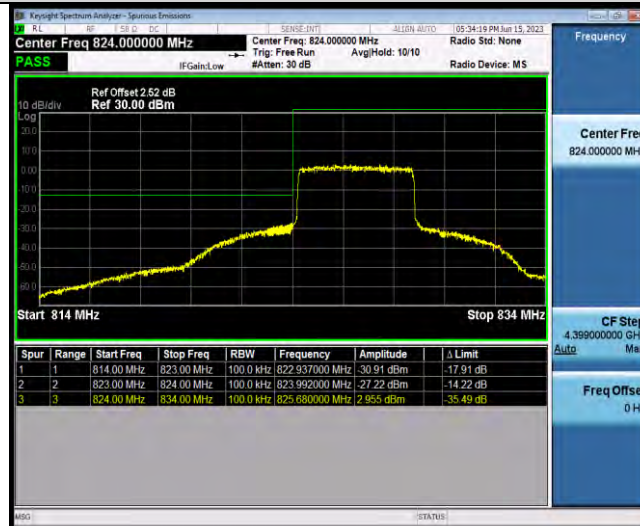


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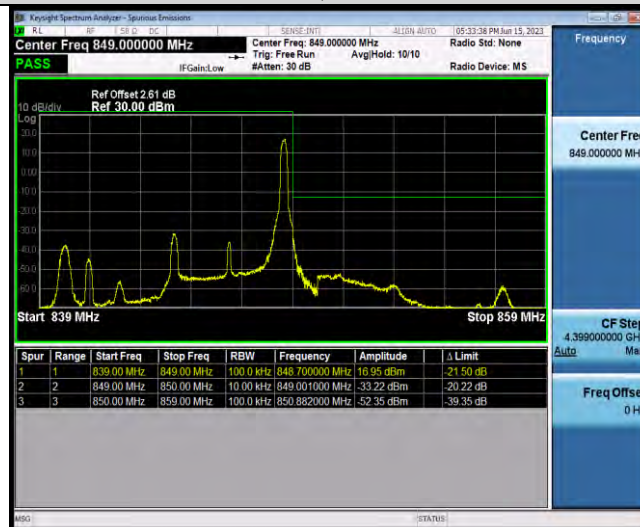
Test Report No.: W7L-P23060003RF02



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



Band5-5MHz-16QAM-20625-1RB#24



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

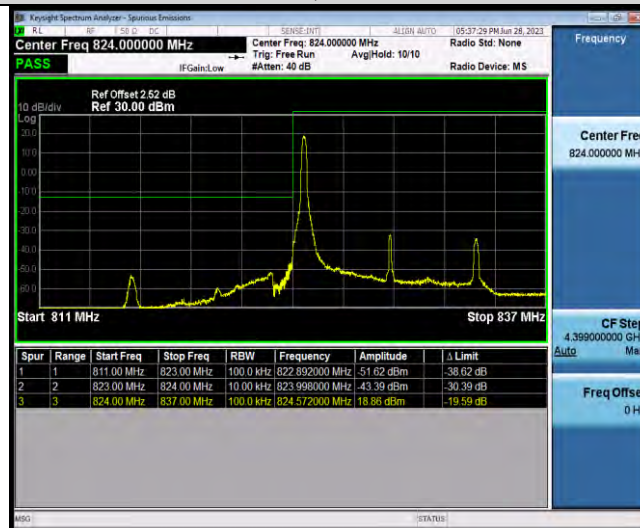


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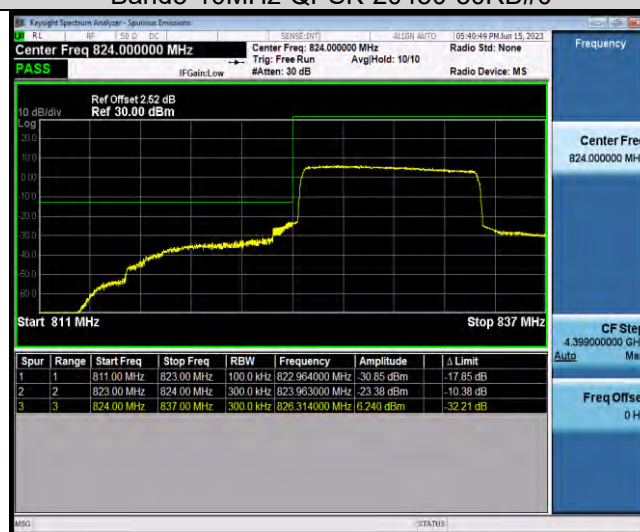
Test Report No.: W7L-P23060003RF02



Band5-10MHz-QPSK-20450-1RB#0



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

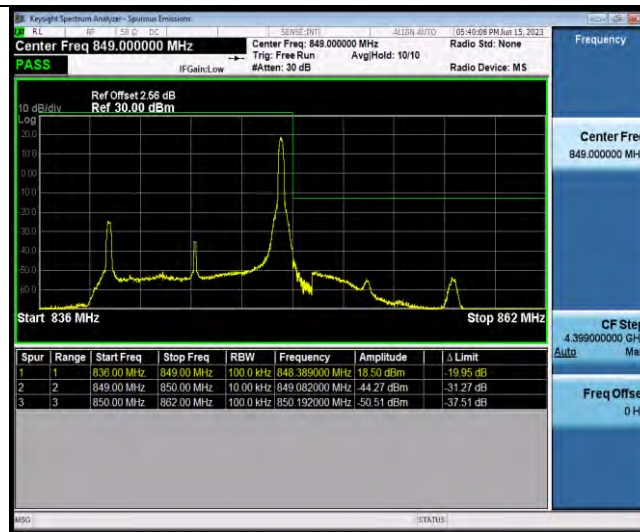


Band5-10MHz-QPSK-20600-1RB#49



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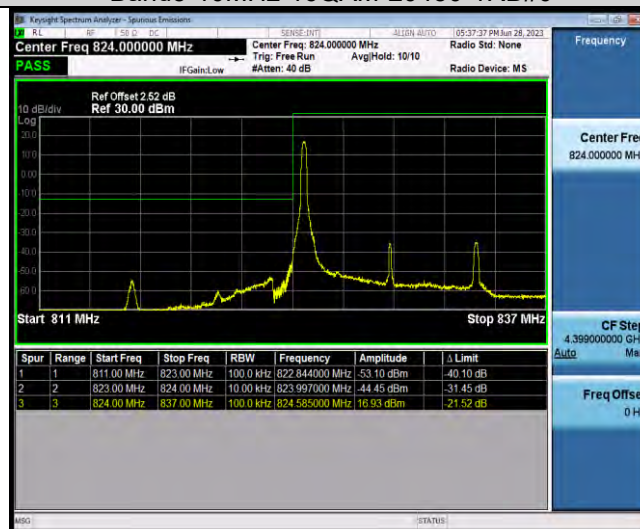
Test Report No.: W7L-P23060003RF02



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



Band5-10MHz-16QAM-20450-1RB#0

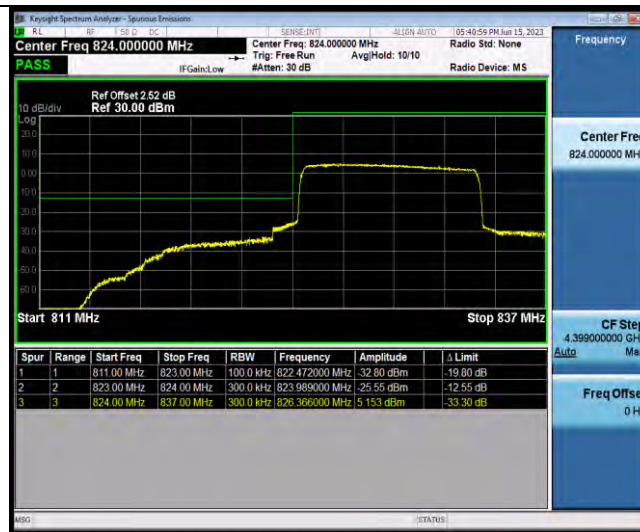


Band5-10MHz-16QAM-20450-50RB#0

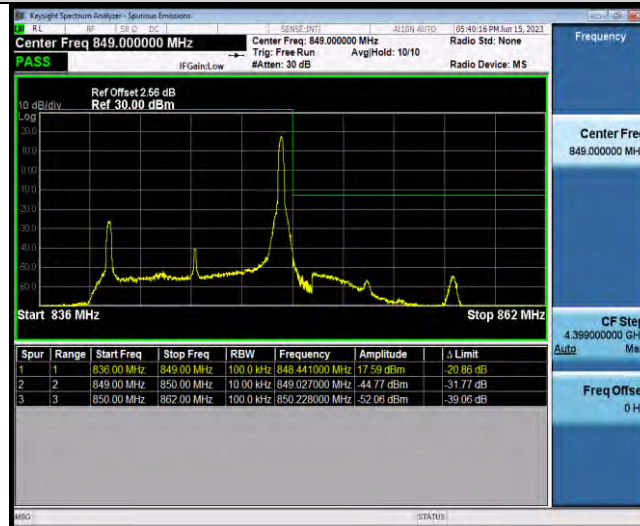


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Test Report No.: W7L-P23060003RF02



Band5-10MHz-16QAM-20600-1RB#49



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



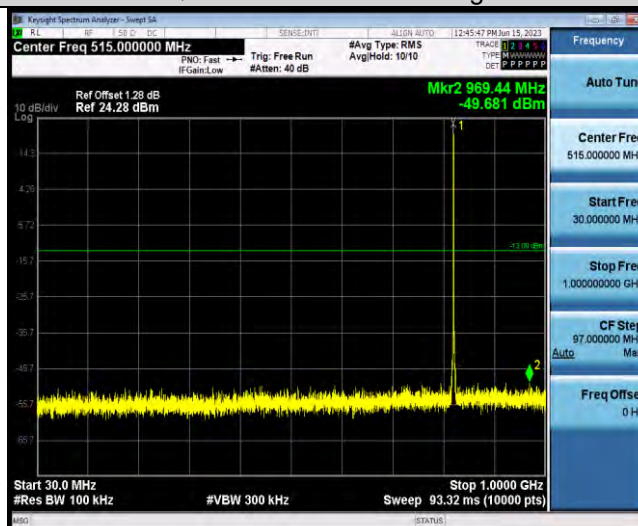
CONDUCTED SPURIOUS EMISSION

Test Result

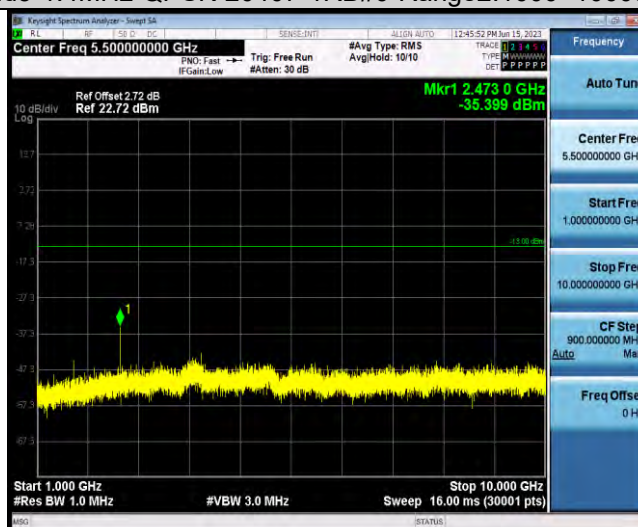
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-49.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-35.4	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-50.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-37.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-50.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-35.92	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-49.96	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-34.96	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-49.79	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-31.61	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-49.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-40	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-50.04	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-35.68	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.87	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-32.09	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-50	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-36.15	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-49.88	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-38.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-49	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-38.03	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-50.49	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-36.69	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz

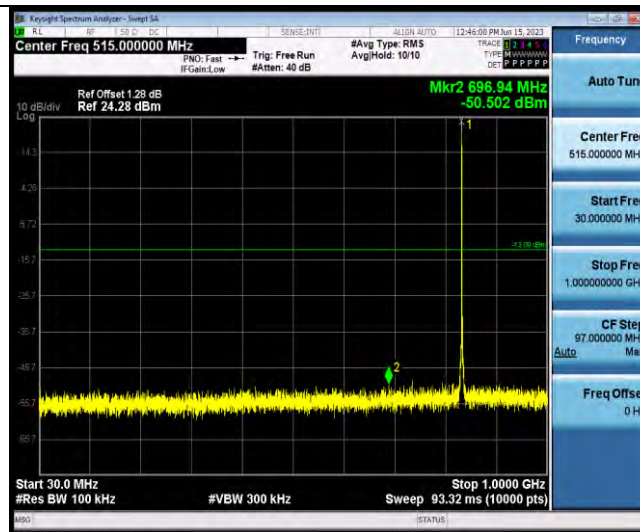


Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

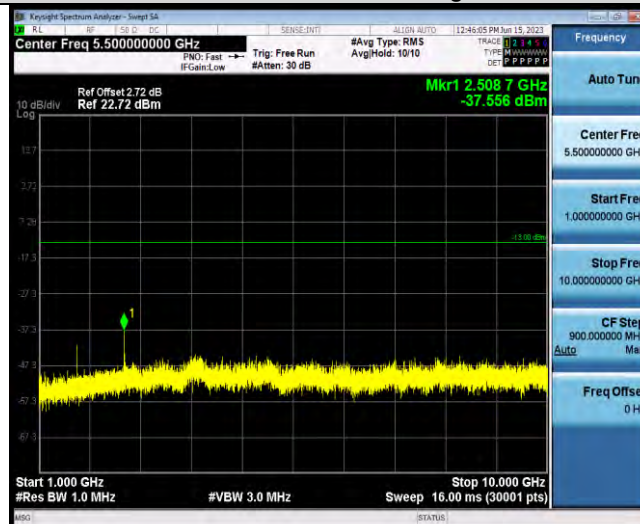


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VERITAS

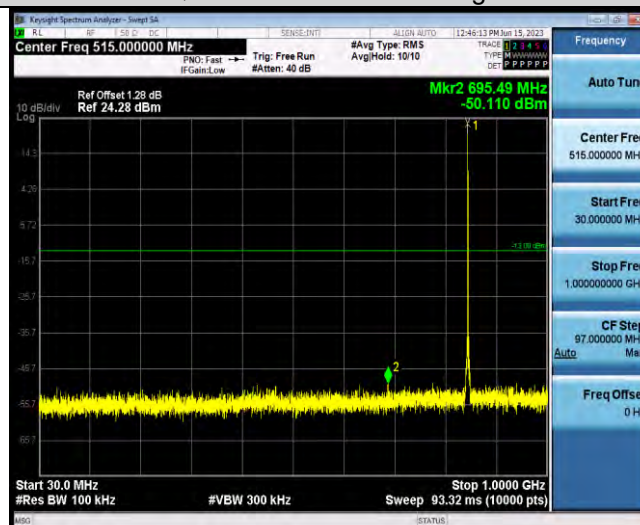
Test Report No.: W7L-P23060003RF02



Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz

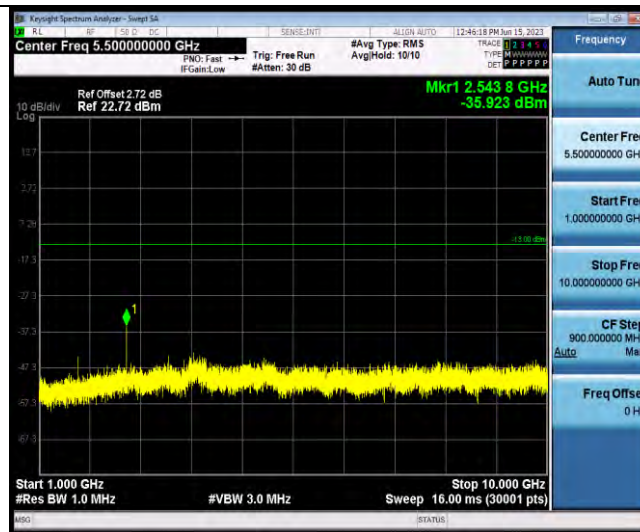


Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz

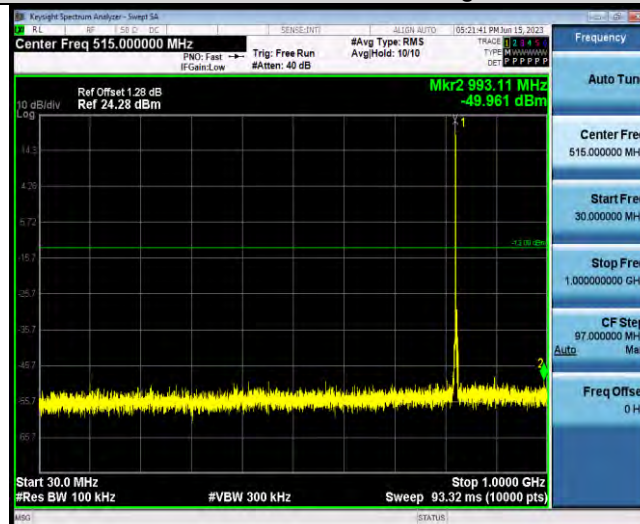


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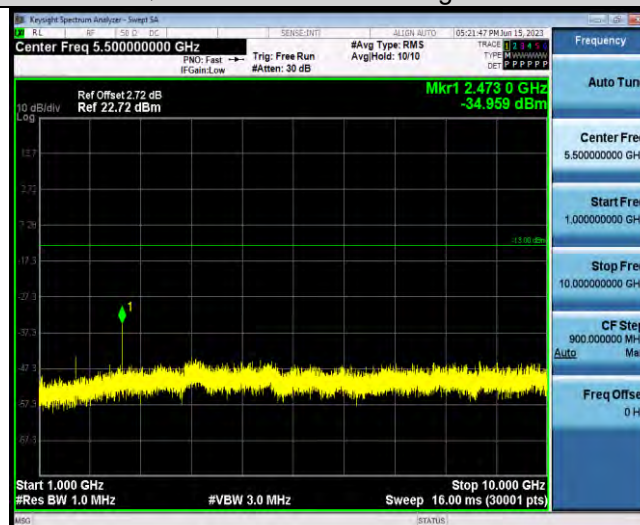
Test Report No.: W7L-P23060003RF02



Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz

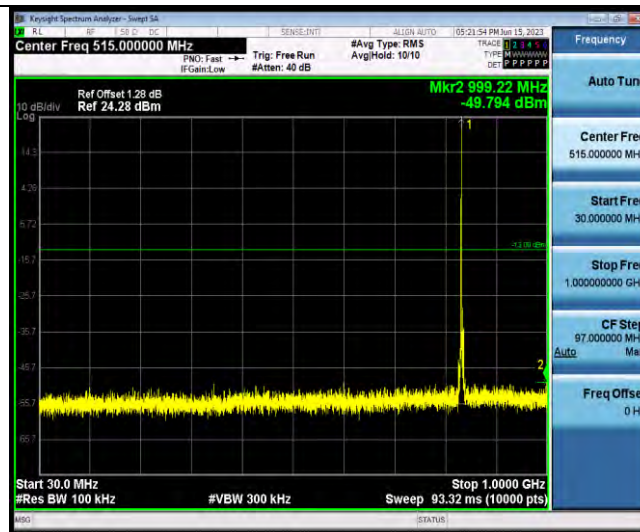


Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

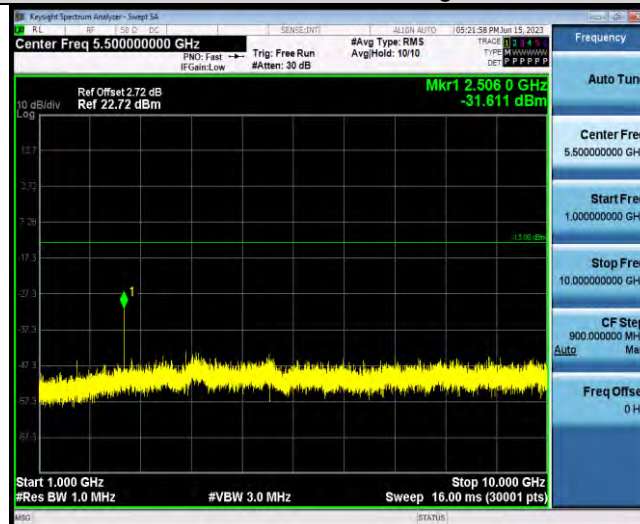


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VERITAS

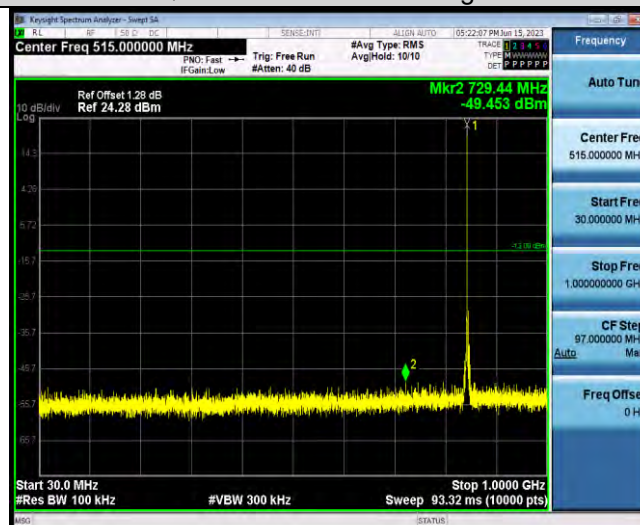
Test Report No.: W7L-P23060003RF02



Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz

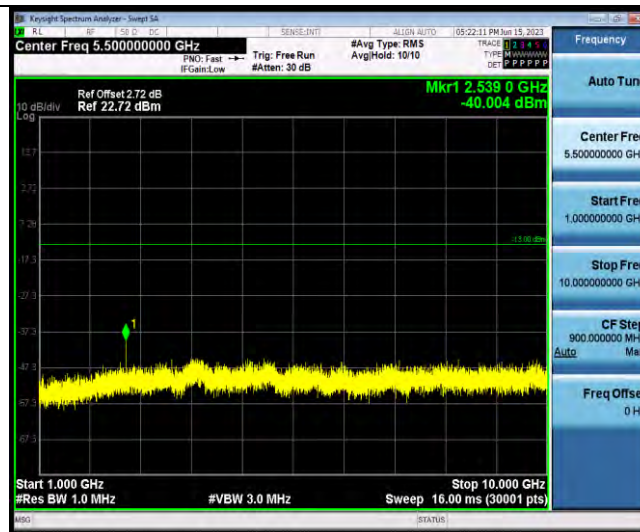


Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz

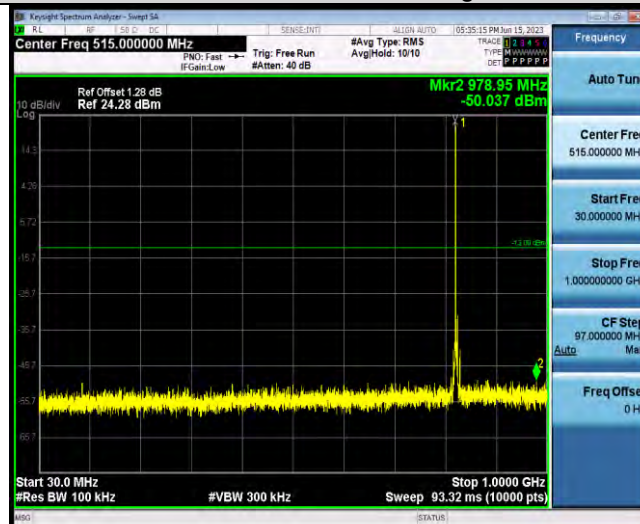


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VERITAS

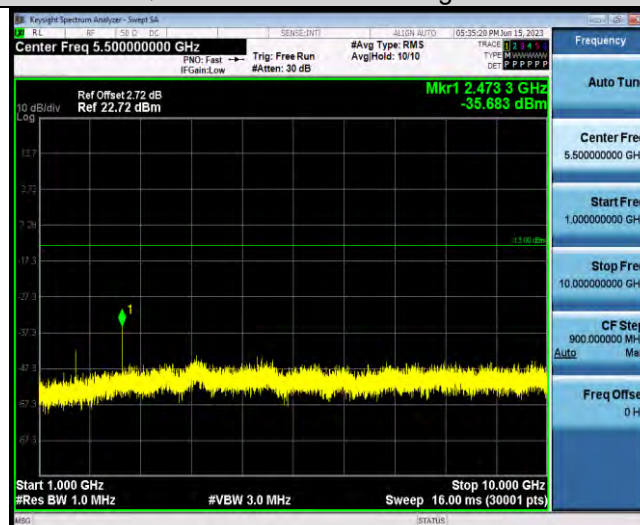
Test Report No.: W7L-P23060003RF02



Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz