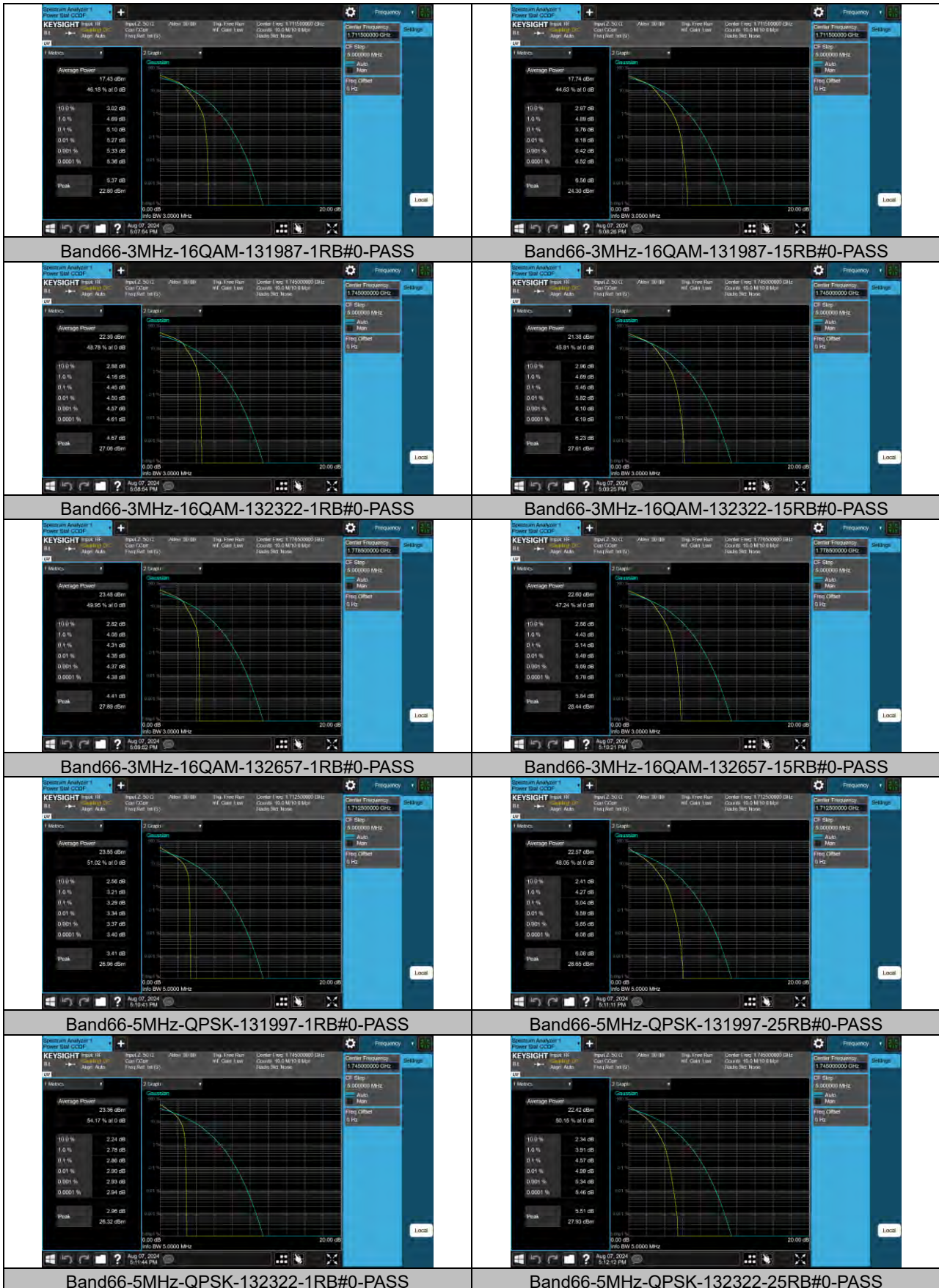




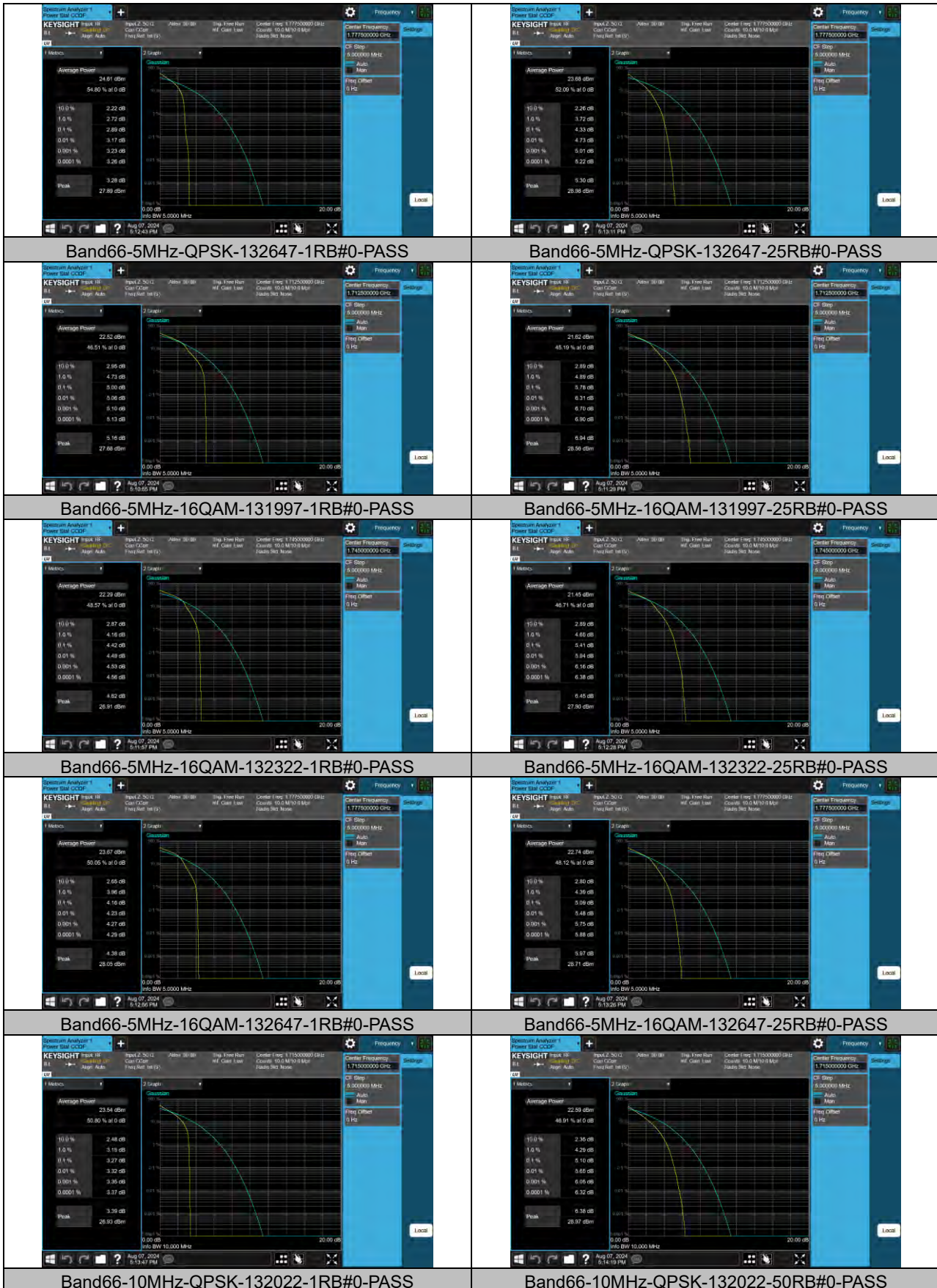
Reference No.: W7L-P24050018RF07





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Reference No.: W7L-P24050018RF07



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

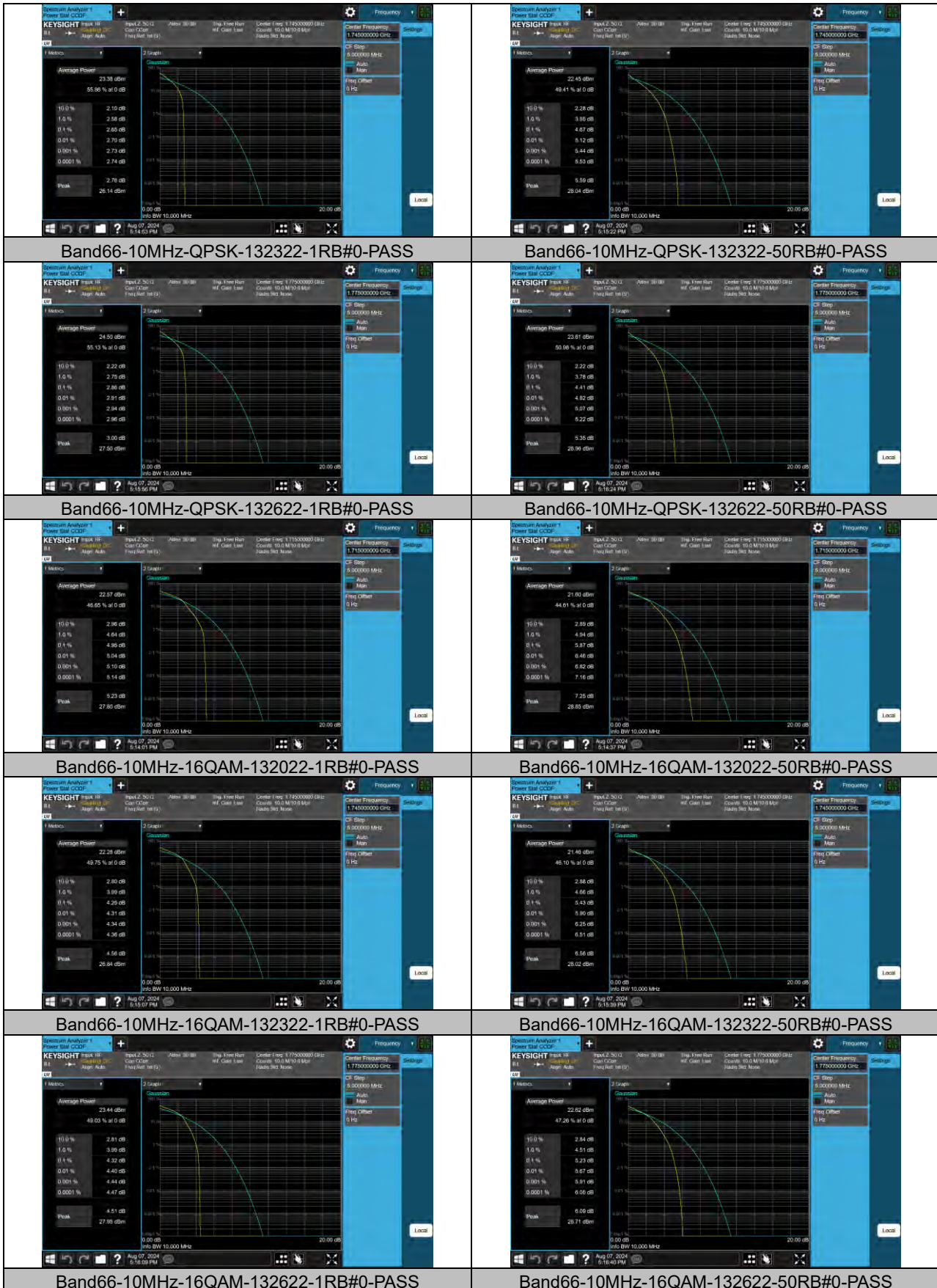
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com



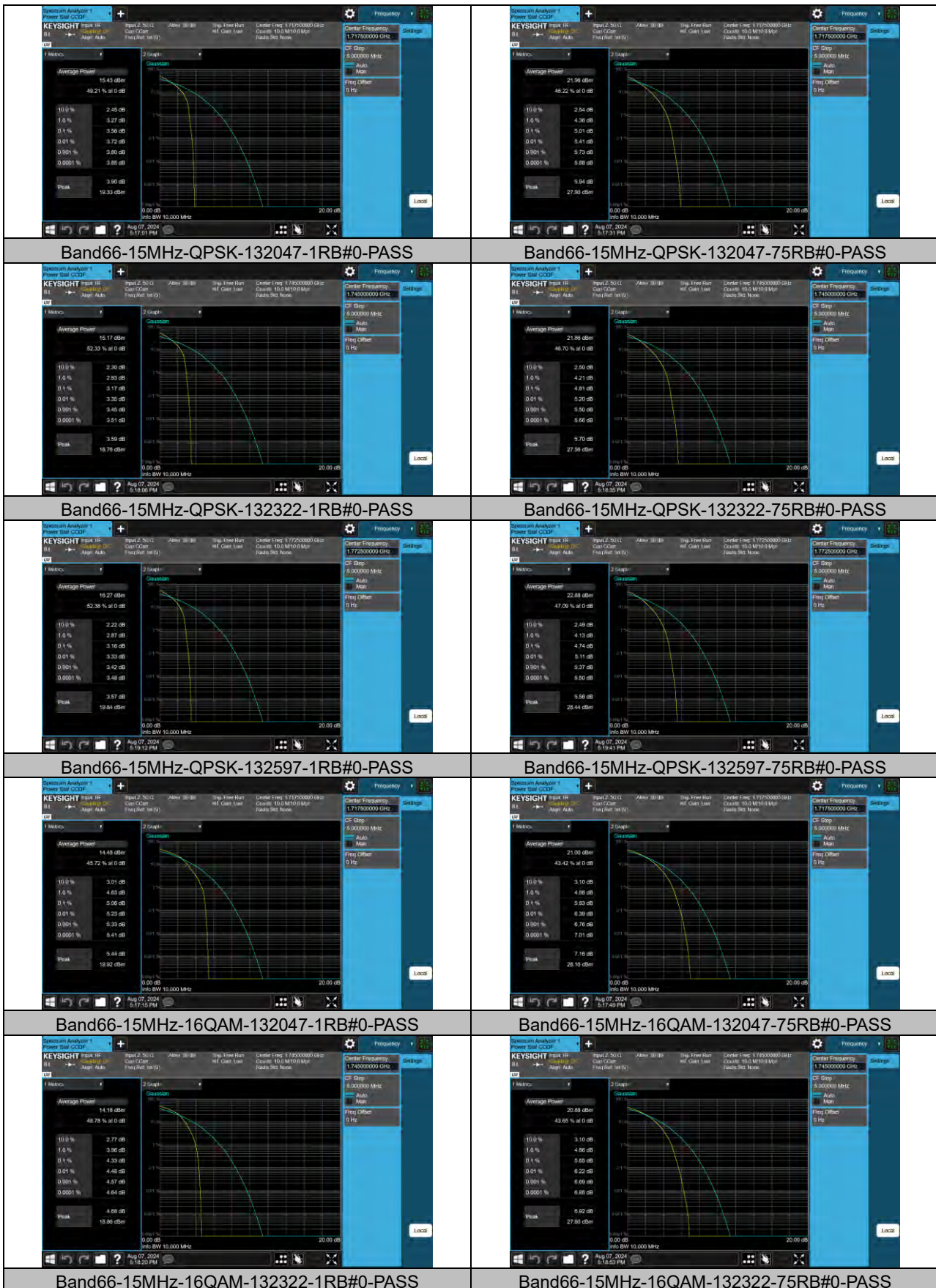
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Reference No.: W7L-P24050018RF07





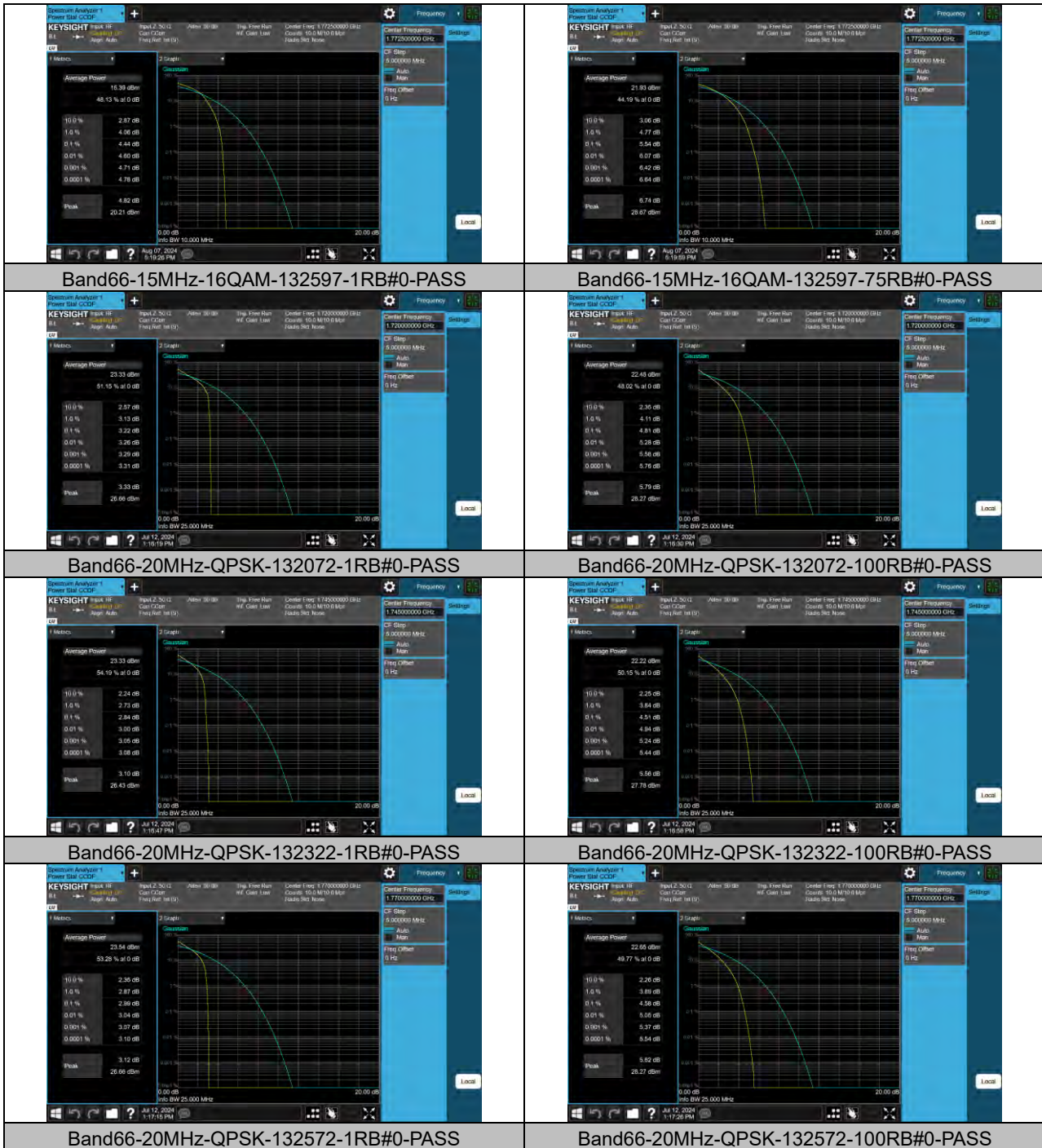
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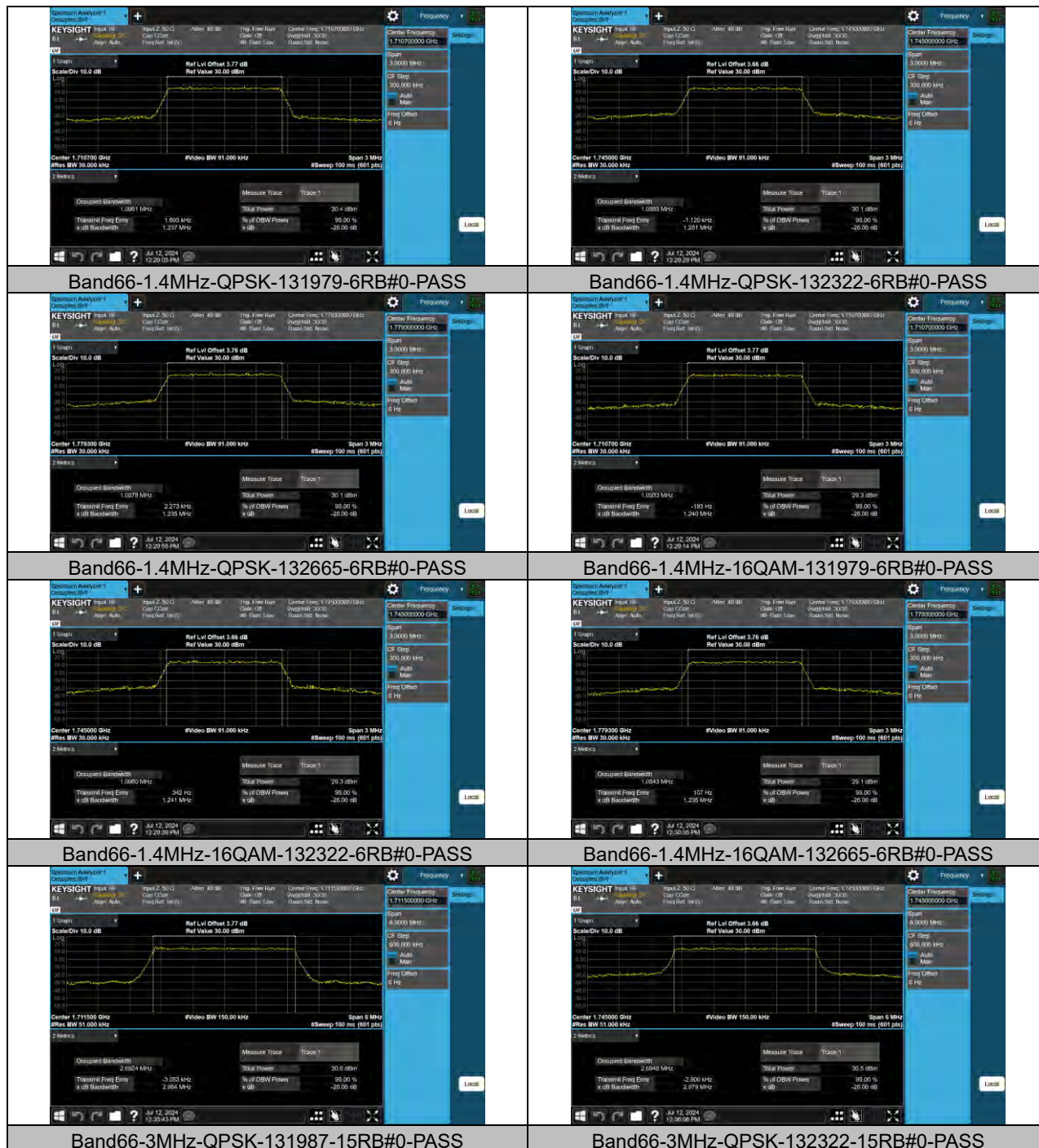
Reference No.: W7L-P24050018RF07



26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0961	1.237	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0885	1.251	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0878	1.235	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0933	1.240	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0960	1.241	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0843	1.235	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6924	2.984	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6948	2.979	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6914	2.985	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6995	3.001	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6941	3.008	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6992	3.001	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5171	5.025	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5024	4.972	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5159	4.984	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5123	4.975	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5090	4.981	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5059	4.982	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9846	9.877	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9918	9.803	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0018	9.832	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9875	9.797	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9960	9.856	PASS
Band66	10MHz	16QAM	132622	50RB#0	9.0073	9.850	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.511	14.82	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.481	14.71	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.510	14.89	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.489	14.70	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.485	14.75	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.496	14.78	PASS
Band66	20MHz	QPSK	132072	100RB#0	18.027	19.65	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.966	19.59	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.991	19.53	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.966	19.57	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.956	19.60	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.971	19.50	PASS

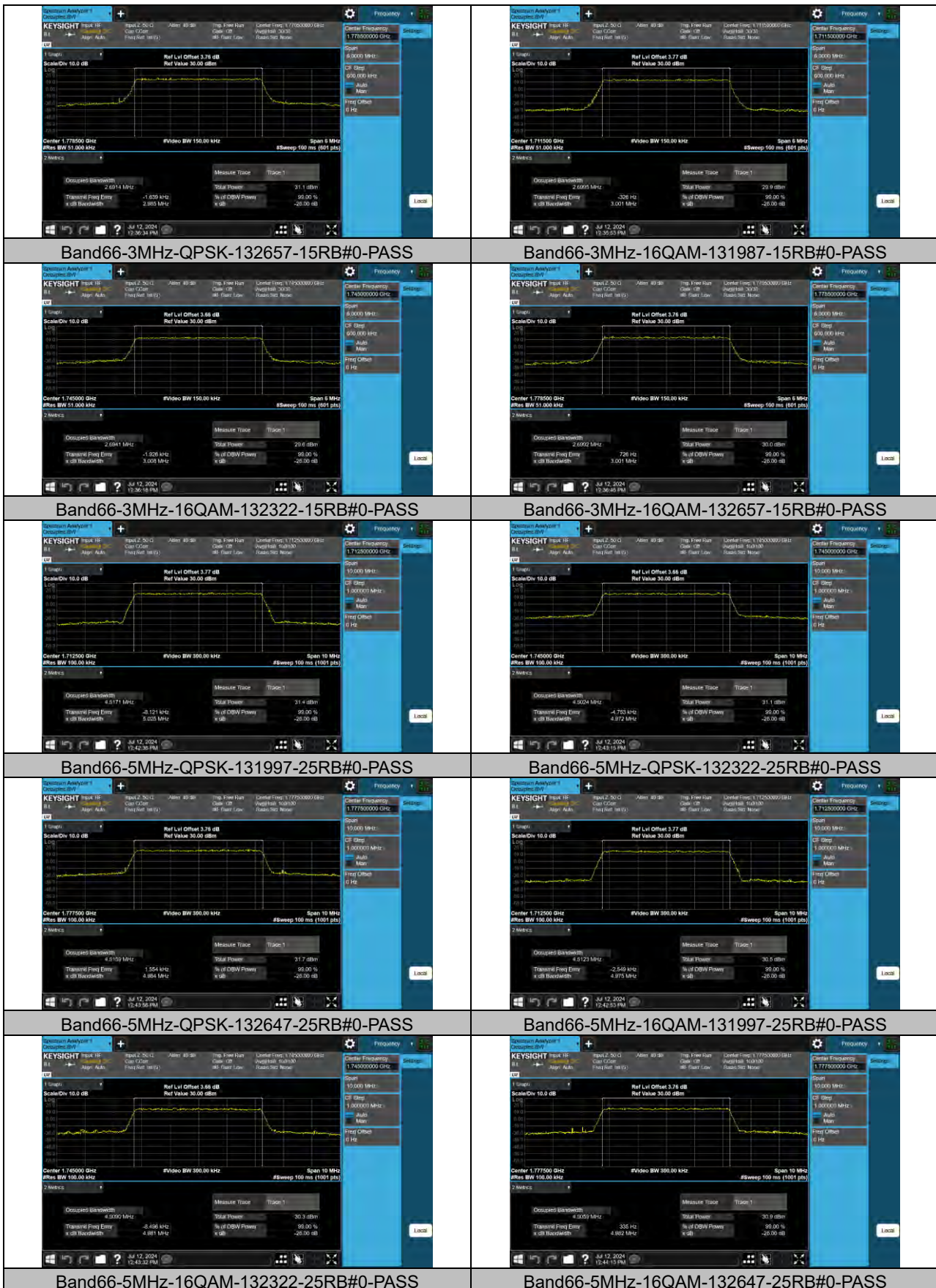
TEST GRAPHS

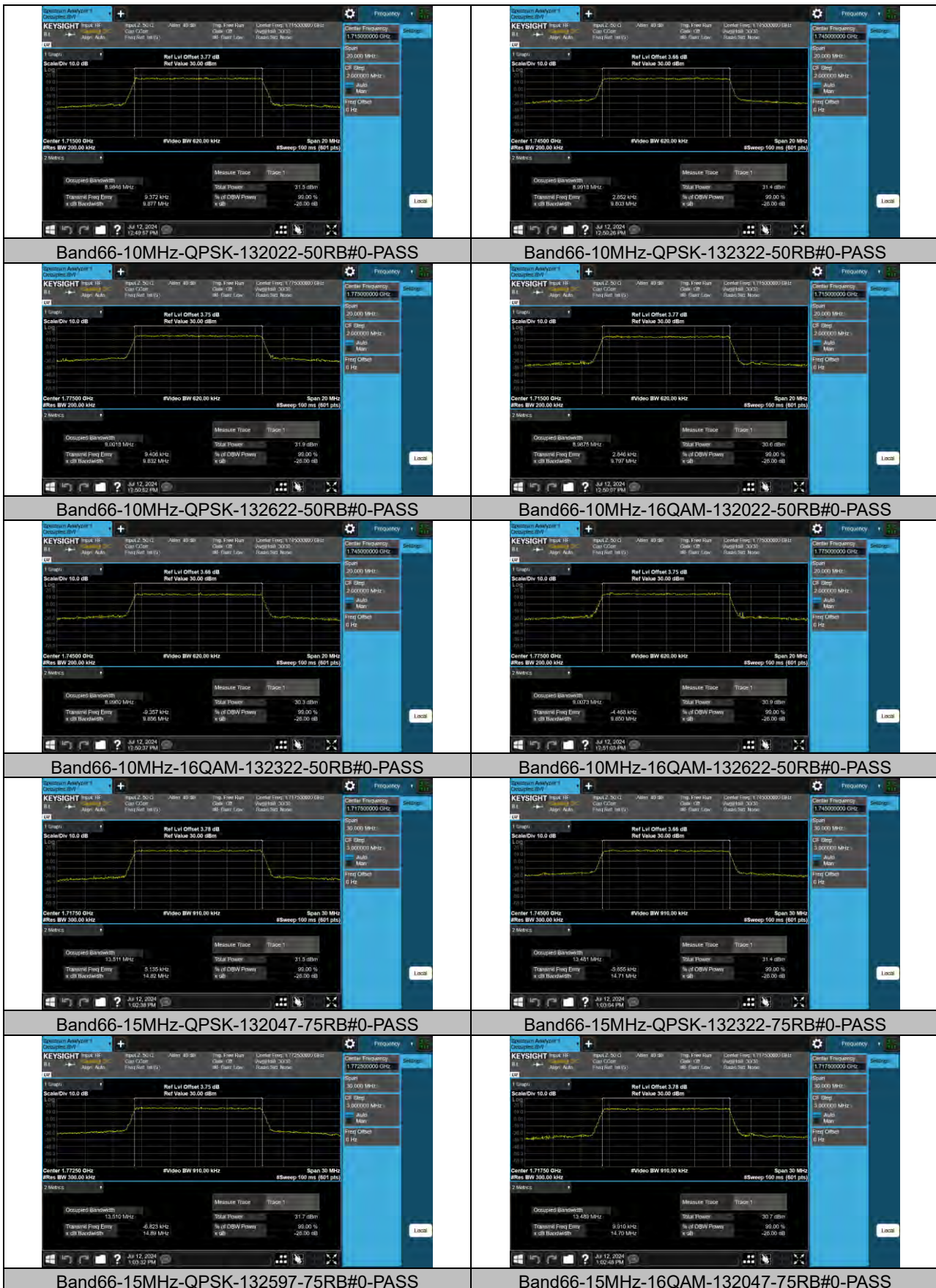


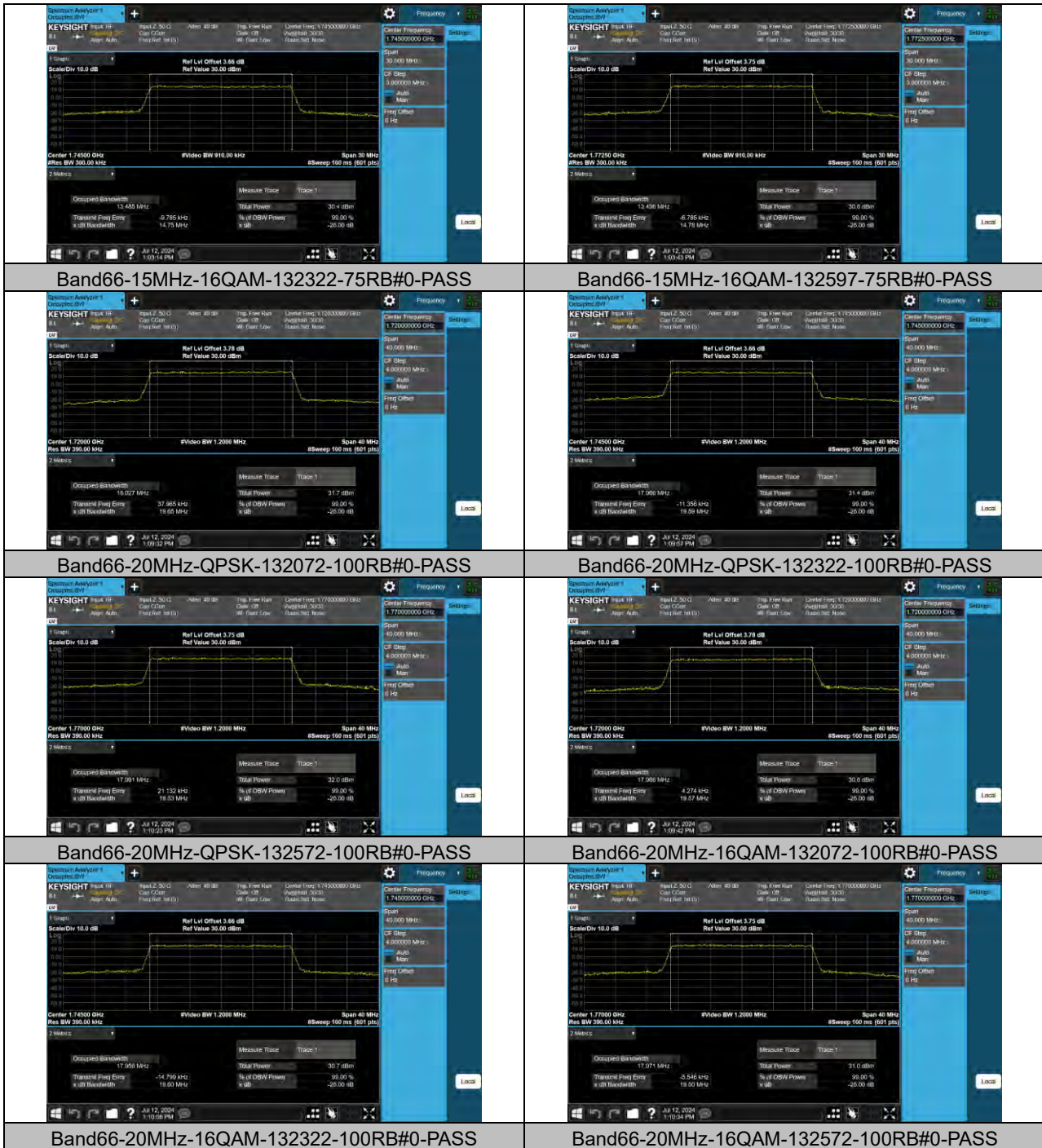


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BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-33.50	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-30.46	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-30.86	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-26.95	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-34.46	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-31.51	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-32.70	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-29.13	PASS
Band66	3MHz	QPSK	131987	1RB#0	-22.94	PASS
Band66	3MHz	QPSK	131987	15RB#0	-30.47	PASS
Band66	3MHz	QPSK	132657	1RB#14	-21.09	PASS
Band66	3MHz	QPSK	132657	15RB#0	-21.83	PASS
Band66	3MHz	16QAM	131987	1RB#0	-25.97	PASS
Band66	3MHz	16QAM	131987	15RB#0	-30.18	PASS
Band66	3MHz	16QAM	132657	1RB#14	-22.82	PASS
Band66	3MHz	16QAM	132657	15RB#0	-24.50	PASS
Band66	5MHz	QPSK	131997	1RB#0	-30.24	PASS
Band66	5MHz	QPSK	131997	25RB#0	-32.97	PASS
Band66	5MHz	QPSK	132647	1RB#24	-26.47	PASS
Band66	5MHz	QPSK	132647	25RB#0	-23.34	PASS
Band66	5MHz	16QAM	131997	1RB#0	-32.42	PASS
Band66	5MHz	16QAM	131997	25RB#0	-31.64	PASS
Band66	5MHz	16QAM	132647	1RB#24	-27.91	PASS
Band66	5MHz	16QAM	132647	25RB#0	-26.17	PASS
Band66	10MHz	QPSK	132022	1RB#0	-41.92	PASS
Band66	10MHz	QPSK	132022	50RB#0	-31.96	PASS
Band66	10MHz	QPSK	132622	1RB#49	-40.14	PASS
Band66	10MHz	QPSK	132622	50RB#0	-23.72	PASS
Band66	10MHz	16QAM	132022	1RB#0	-43.80	PASS
Band66	10MHz	16QAM	132022	50RB#0	-33.39	PASS
Band66	10MHz	16QAM	132622	1RB#49	-41.80	PASS
Band66	10MHz	16QAM	132622	50RB#0	-27.04	PASS
Band66	15MHz	QPSK	132047	1RB#0	-42.51	PASS
Band66	15MHz	QPSK	132047	75RB#0	-32.20	PASS
Band66	15MHz	QPSK	132597	1RB#74	-41.32	PASS
Band66	15MHz	QPSK	132597	75RB#0	-24.59	PASS
Band66	15MHz	16QAM	132047	1RB#0	-44.68	PASS
Band66	15MHz	16QAM	132047	75RB#0	-34.30	PASS
Band66	15MHz	16QAM	132597	1RB#74	-42.16	PASS
Band66	15MHz	16QAM	132597	75RB#0	-27.52	PASS
Band66	20MHz	QPSK	132072	1RB#0	-44.85	PASS
Band66	20MHz	QPSK	132072	100RB#0	-31.88	PASS
Band66	20MHz	QPSK	132572	1RB#99	-43.35	PASS
Band66	20MHz	QPSK	132572	100RB#0	-26.25	PASS

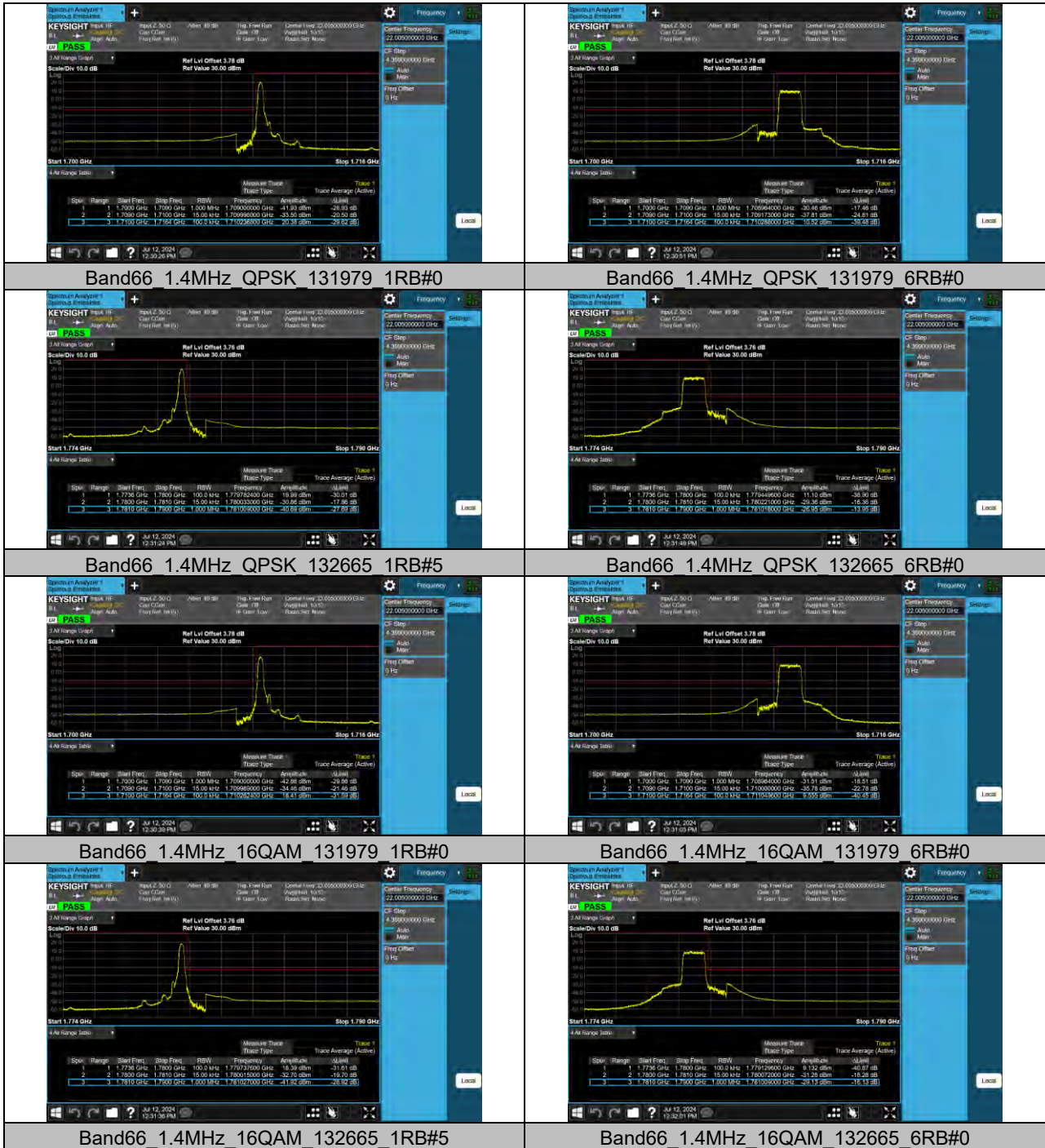


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Reference No.: W7L-P24050018RF07

Band66	20MHz	16QAM	132072	1RB#0	-45.79	PASS
Band66	20MHz	16QAM	132072	100RB#0	-34.17	PASS
Band66	20MHz	16QAM	132572	1RB#99	-44.86	PASS
Band66	20MHz	16QAM	132572	100RB#0	-29.79	PASS

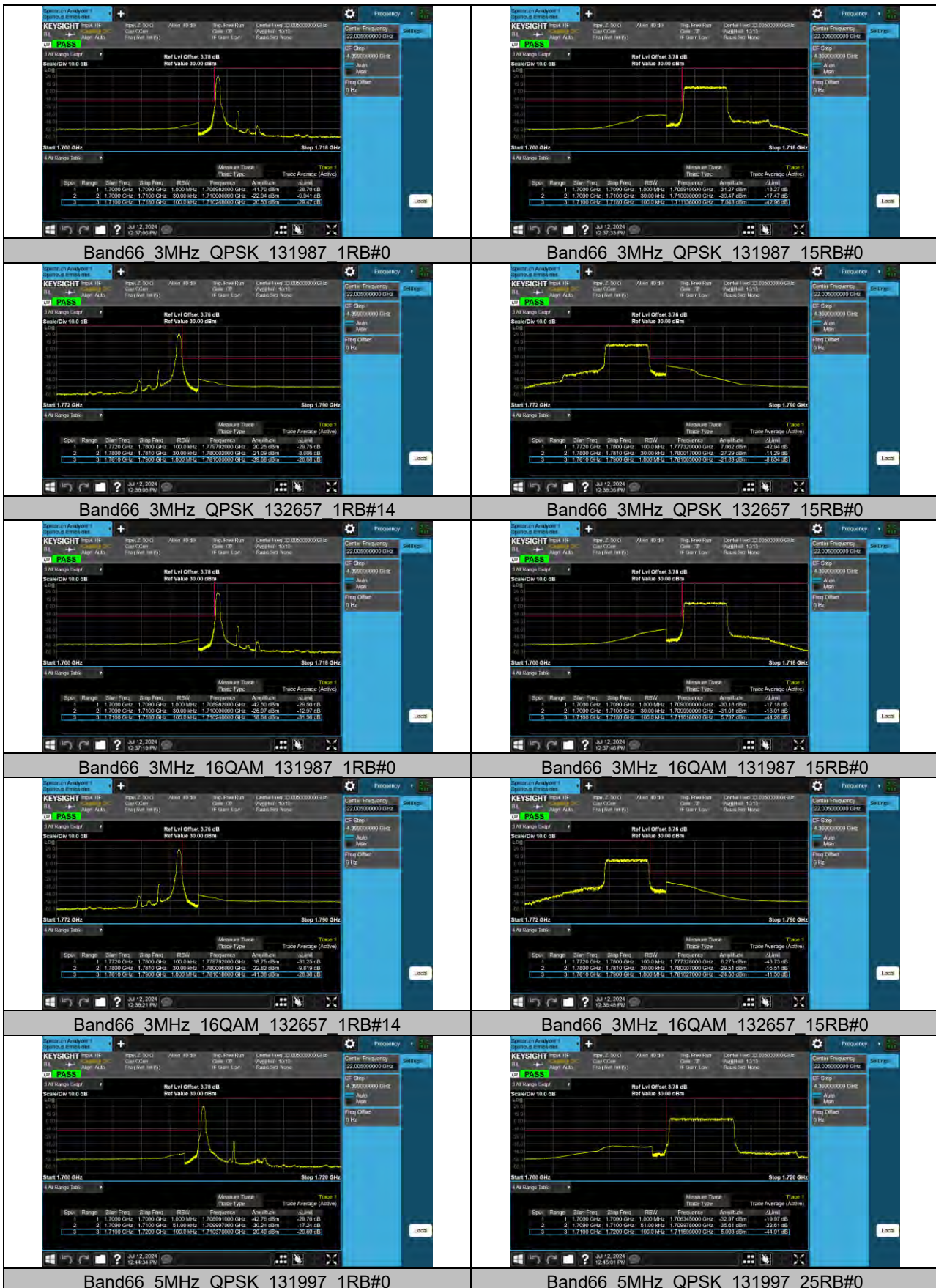
TEST GRAPHS





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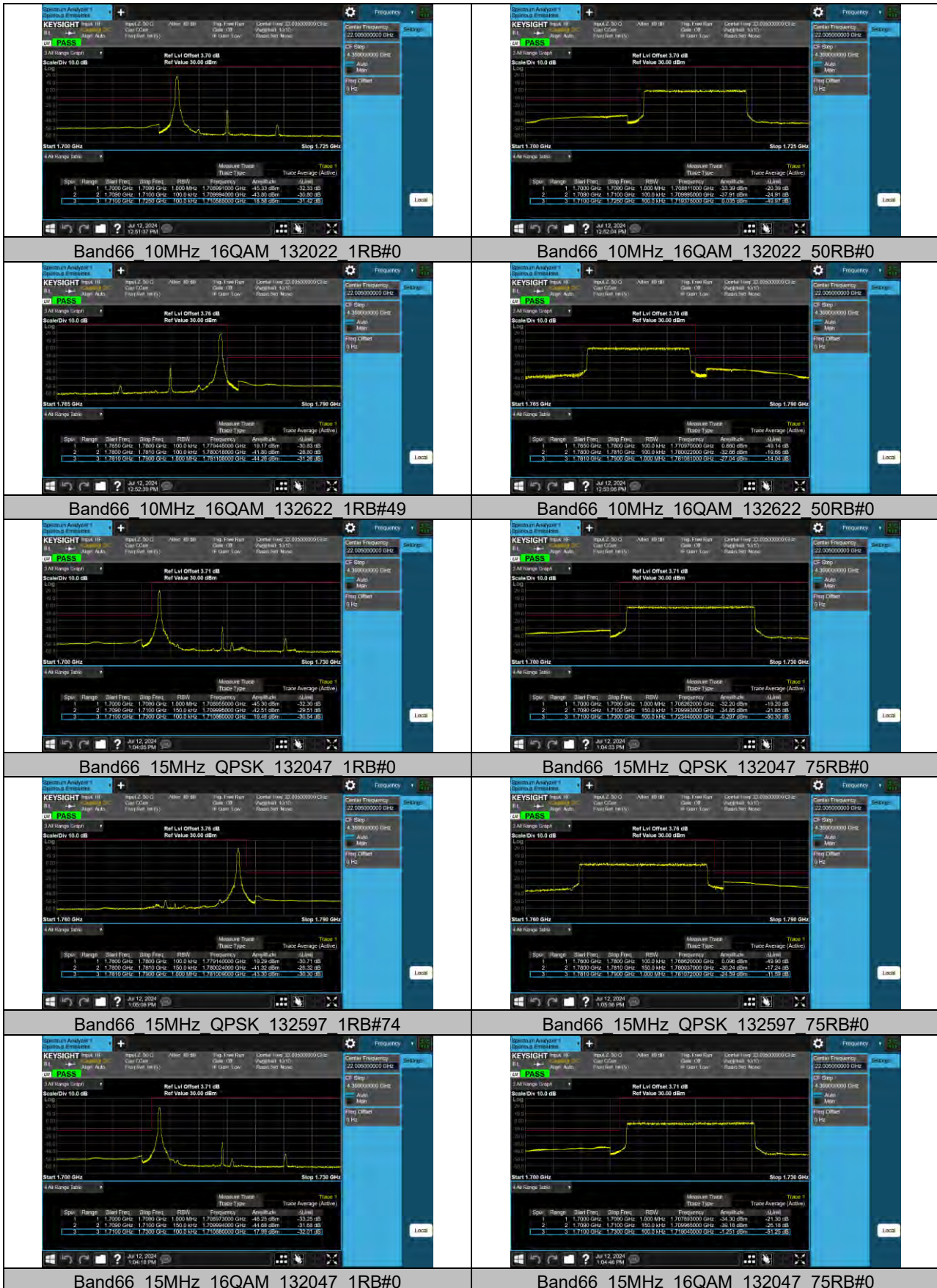
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Reference No.: W7L-P24050018RF07





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Reference No.: W7L-P24050018RF07





Reference No.: W7L-P24050018RF07



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CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	30~1000	-58.23	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	1000~10000	-38.52	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	10000~20000	-36.04	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	30~1000	-58.30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	1000~10000	-38.52	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	10000~20000	-35.95	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	30~1000	-58.28	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	1000~10000	-38.50	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	10000~20000	-36.03	PASS
Band66	3MHz	QPSK	131987	1RB#0	30~1000	-58.23	PASS
Band66	3MHz	QPSK	131987	1RB#0	1000~10000	-38.59	PASS
Band66	3MHz	QPSK	131987	1RB#0	10000~20000	-36.11	PASS
Band66	3MHz	QPSK	132322	1RB#0	30~1000	-58.22	PASS
Band66	3MHz	QPSK	132322	1RB#0	1000~10000	-38.44	PASS
Band66	3MHz	QPSK	132322	1RB#0	10000~20000	-35.98	PASS
Band66	3MHz	QPSK	132657	1RB#0	30~1000	-58.23	PASS
Band66	3MHz	QPSK	132657	1RB#0	1000~10000	-38.42	PASS
Band66	3MHz	QPSK	132657	1RB#0	10000~20000	-36.03	PASS
Band66	5MHz	QPSK	131997	1RB#0	30~1000	-58.26	PASS
Band66	5MHz	QPSK	131997	1RB#0	1000~10000	-38.44	PASS
Band66	5MHz	QPSK	131997	1RB#0	10000~20000	-35.93	PASS
Band66	5MHz	QPSK	132322	1RB#0	30~1000	-58.25	PASS
Band66	5MHz	QPSK	132322	1RB#0	1000~10000	-38.44	PASS
Band66	5MHz	QPSK	132322	1RB#0	10000~20000	-35.99	PASS
Band66	5MHz	QPSK	132647	1RB#0	30~1000	-58.20	PASS
Band66	5MHz	QPSK	132647	1RB#0	1000~10000	-38.42	PASS
Band66	5MHz	QPSK	132647	1RB#0	10000~20000	-35.91	PASS
Band66	10MHz	QPSK	132022	1RB#0	30~1000	-58.16	PASS
Band66	10MHz	QPSK	132022	1RB#0	1000~10000	-38.49	PASS
Band66	10MHz	QPSK	132022	1RB#0	10000~20000	-36.06	PASS
Band66	10MHz	QPSK	132322	1RB#0	30~1000	-58.28	PASS
Band66	10MHz	QPSK	132322	1RB#0	1000~10000	-38.49	PASS
Band66	10MHz	QPSK	132322	1RB#0	10000~20000	-35.96	PASS
Band66	10MHz	QPSK	132622	1RB#0	30~1000	-58.23	PASS
Band66	10MHz	QPSK	132622	1RB#0	1000~10000	-38.46	PASS
Band66	10MHz	QPSK	132622	1RB#0	10000~20000	-35.93	PASS
Band66	15MHz	QPSK	132047	1RB#0	30~1000	-58.30	PASS
Band66	15MHz	QPSK	132047	1RB#0	1000~10000	-38.45	PASS
Band66	15MHz	QPSK	132047	1RB#0	10000~20000	-35.98	PASS
Band66	15MHz	QPSK	132322	1RB#0	30~1000	-58.24	PASS
Band66	15MHz	QPSK	132322	1RB#0	1000~10000	-38.31	PASS
Band66	15MHz	QPSK	132322	1RB#0	10000~20000	-35.99	PASS
Band66	15MHz	QPSK	132597	1RB#0	30~1000	-58.31	PASS

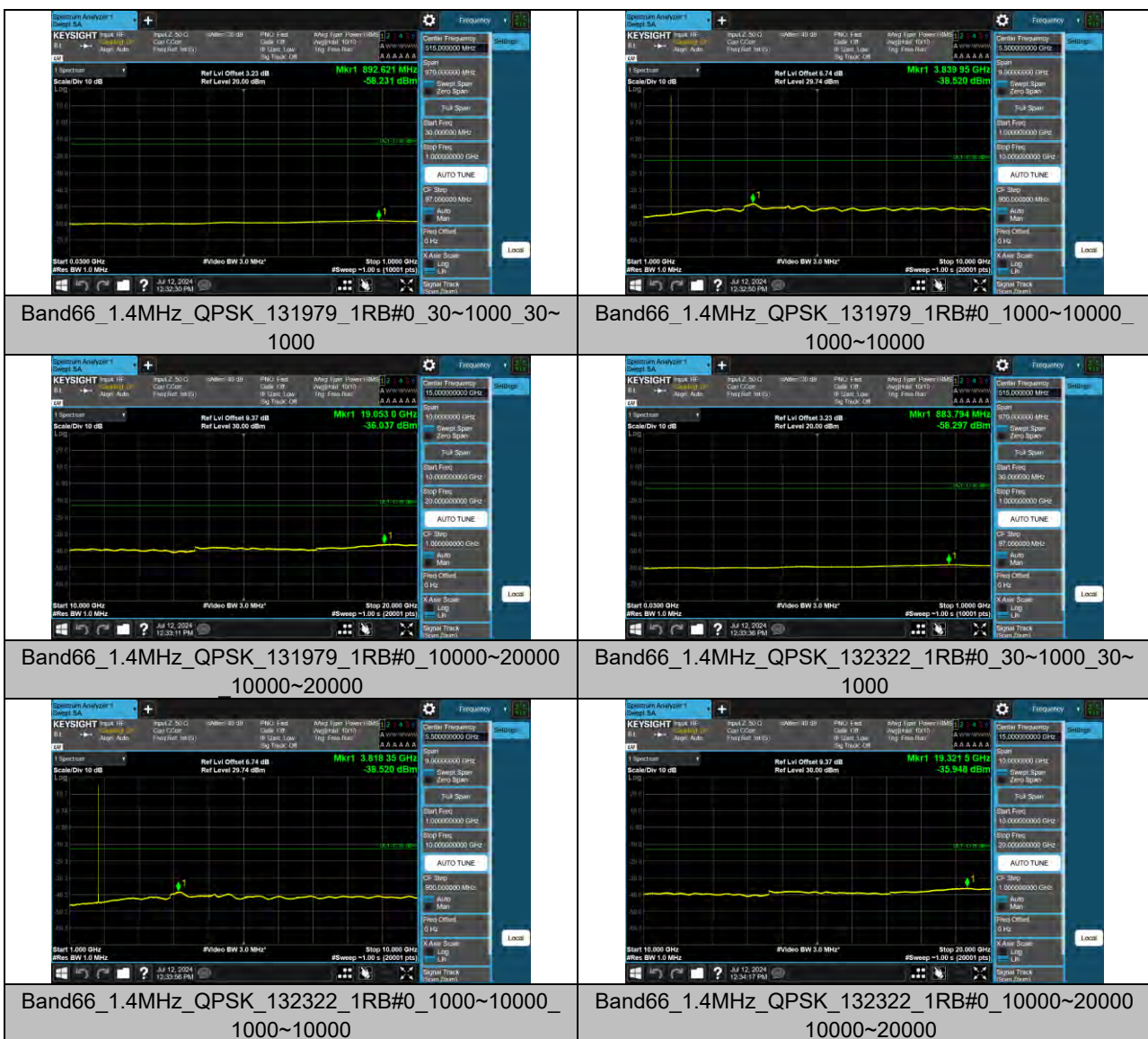


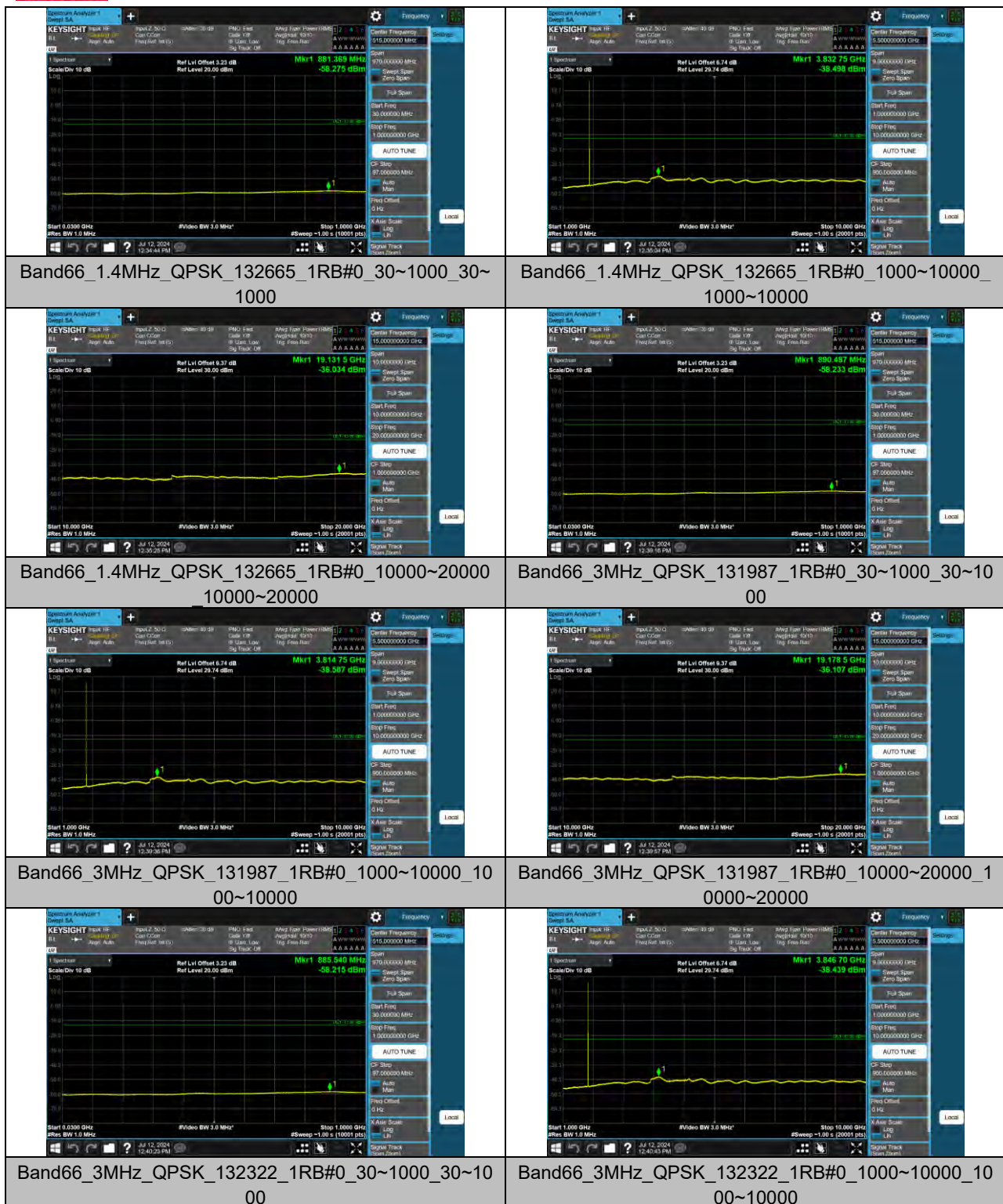
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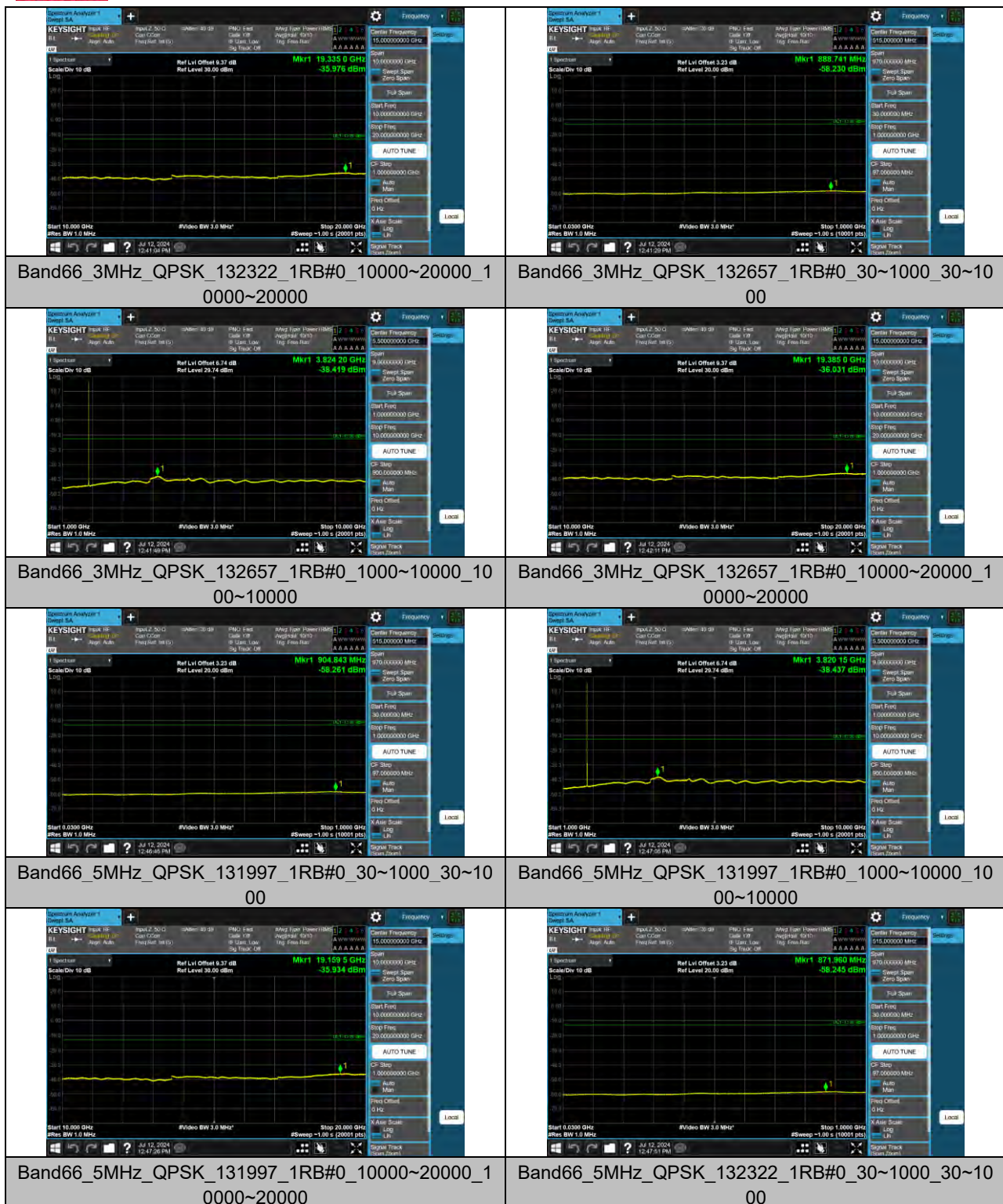
Reference No.: W7L-P24050018RF07

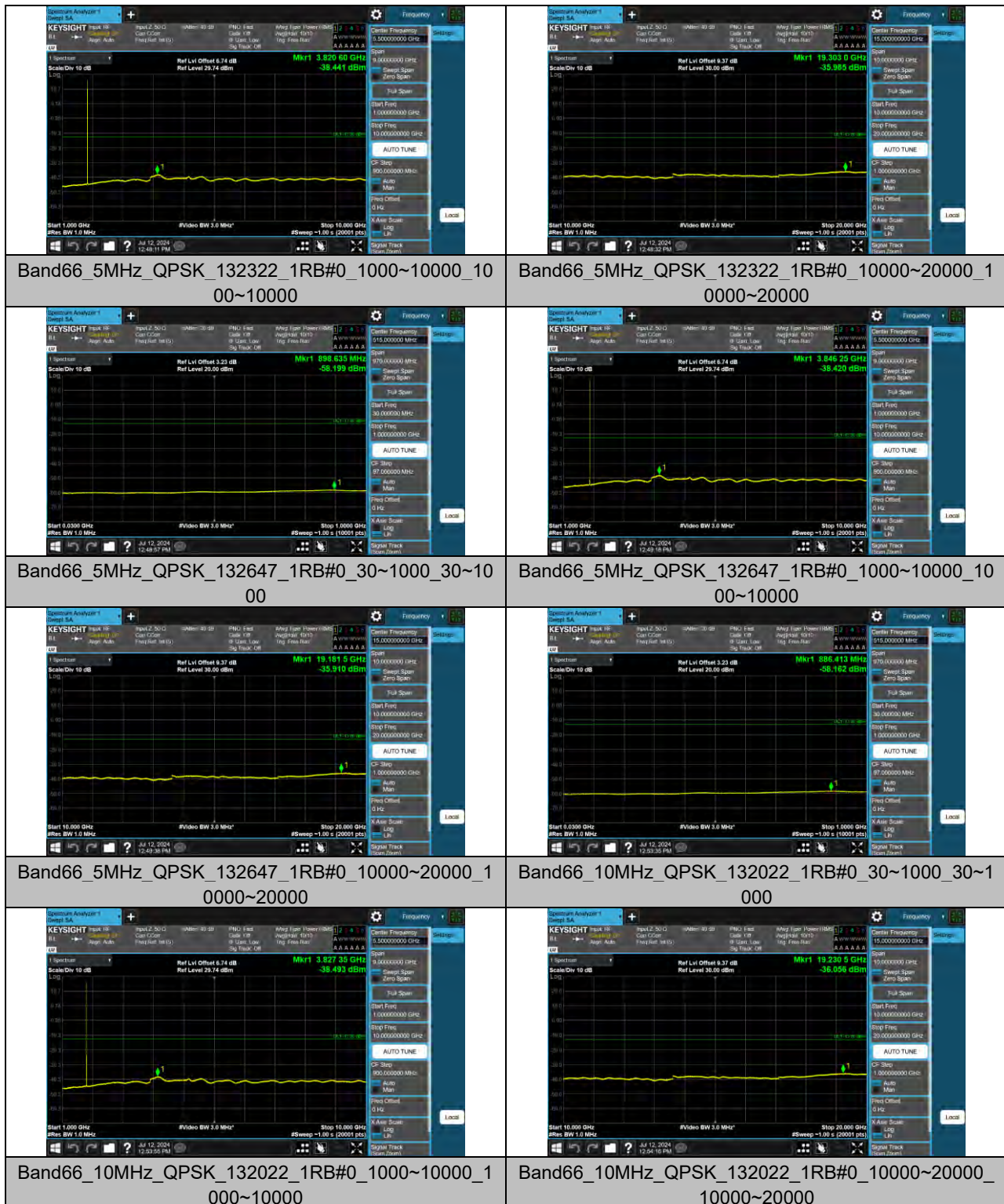
Band66	15MHz	QPSK	132597	1RB#0	1000~10000	-38.52	PASS
Band66	15MHz	QPSK	132597	1RB#0	10000~20000	-35.87	PASS
Band66	20MHz	QPSK	132072	1RB#0	30~1000	-58.20	PASS
Band66	20MHz	QPSK	132072	1RB#0	1000~10000	-38.45	PASS
Band66	20MHz	QPSK	132072	1RB#0	10000~20000	-35.99	PASS
Band66	20MHz	QPSK	132322	1RB#0	30~1000	-58.19	PASS
Band66	20MHz	QPSK	132322	1RB#0	1000~10000	-38.54	PASS
Band66	20MHz	QPSK	132322	1RB#0	10000~20000	-35.86	PASS
Band66	20MHz	QPSK	132572	1RB#0	30~1000	-58.24	PASS
Band66	20MHz	QPSK	132572	1RB#0	1000~10000	-38.49	PASS
Band66	20MHz	QPSK	132572	1RB#0	10000~20000	-35.97	PASS

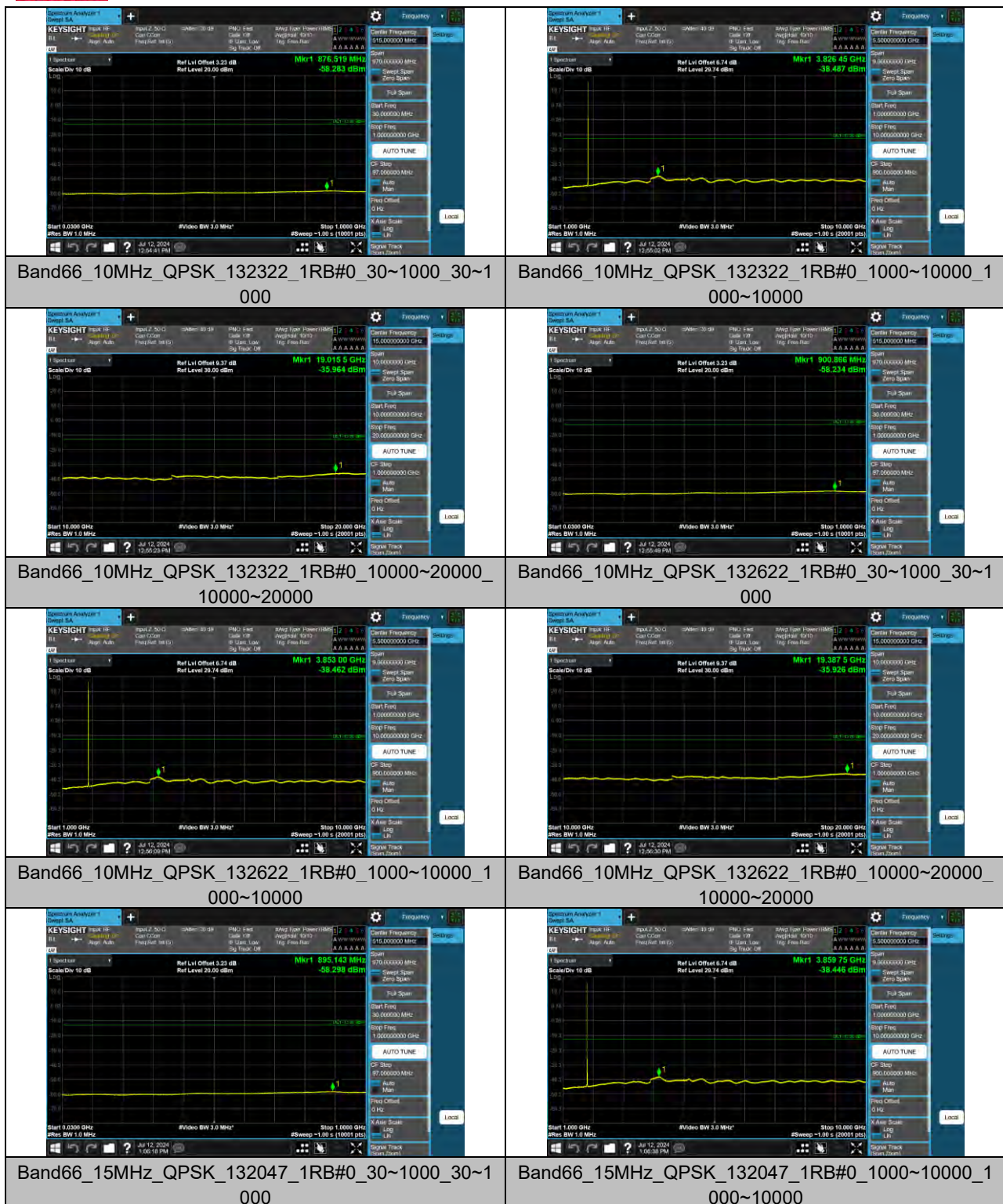
TEST GRAPHS





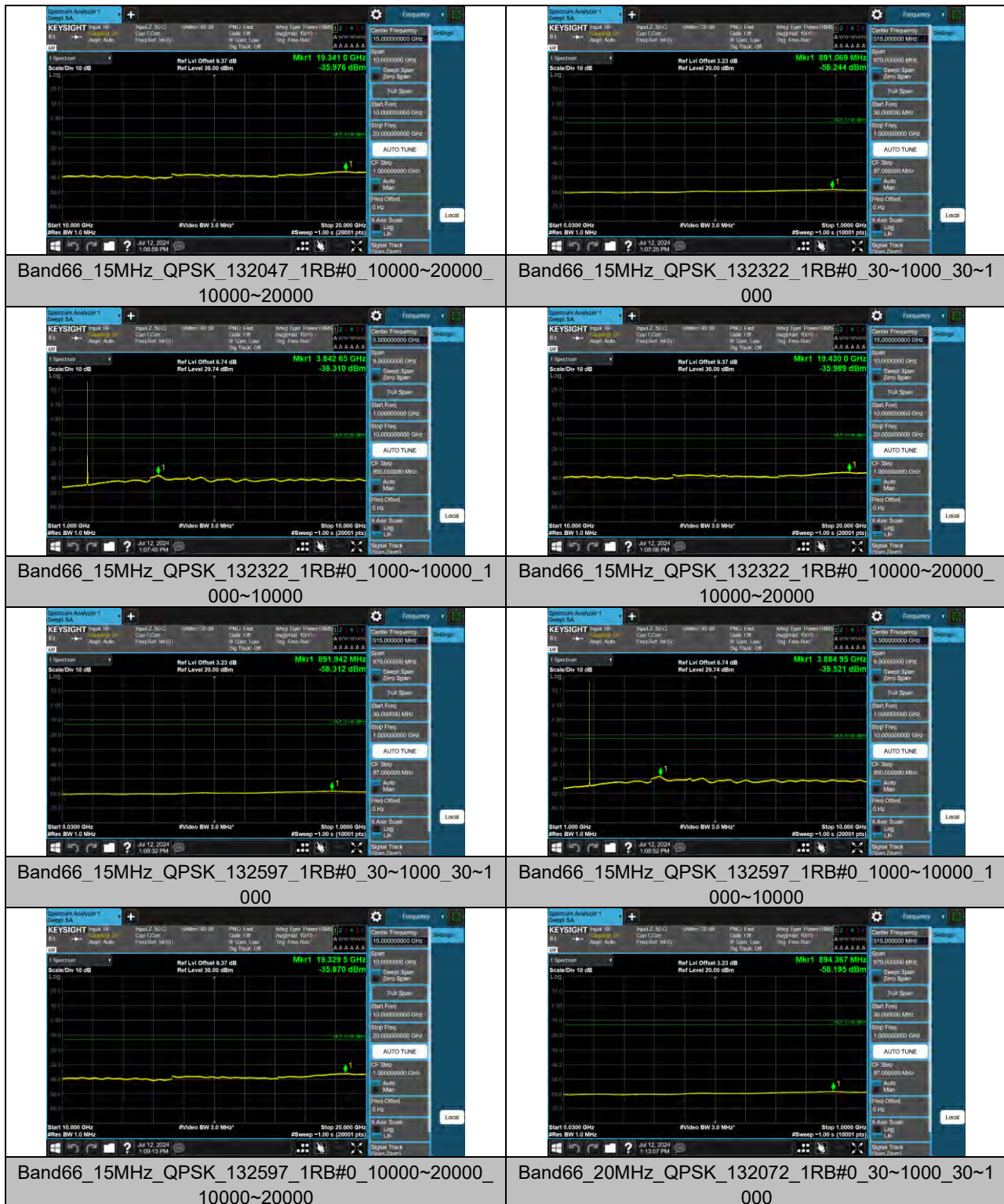


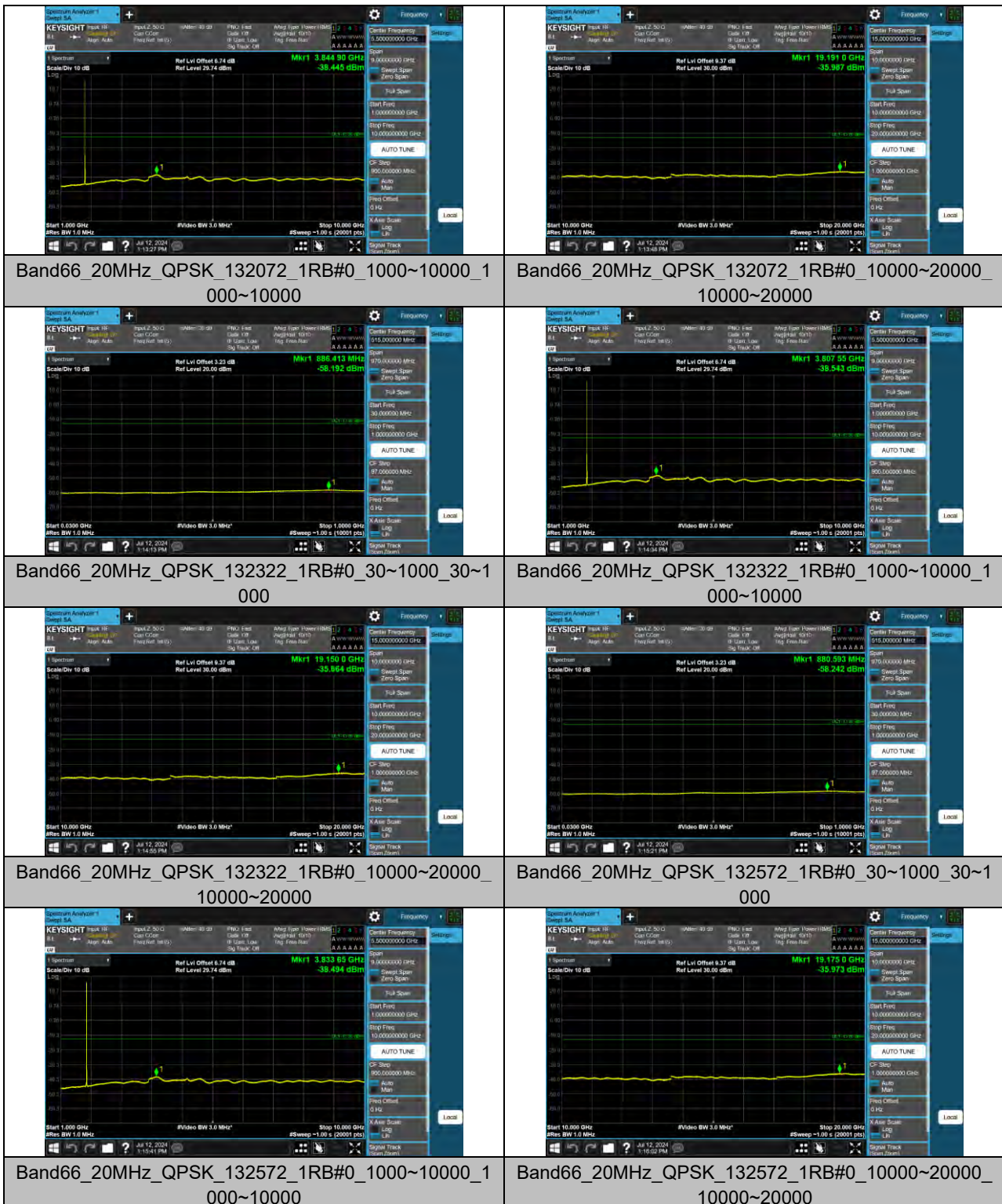






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FREQUENCY STABILITY TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band6	10MHz	QPSK	13202	50RB	VN	NT	-986.94	-0.575476	1710.53218	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	VL	NT	1003.37	0.585057	1710.52756	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	VH	NT	-1140.81	-0.665193	1710.52485	---	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	VN	NT	-1960.00	-1.104225	---	1779.47369	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	VL	NT	-3250.00	-1.830986	---	1779.4743	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	VH	NT	690.00	0.388732	---	1779.47254	1710-1780	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band6	10MHz	QPSK	13202	50RB	NV	-30	-1097.10	-0.639710	1710.52864	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	-20	1096.79	0.639530	1710.52716	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	-10	-1227.60	-0.715800	1710.52758	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	0	-962.04	-0.560958	1710.53008	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	10	874.51	0.509916	1710.52696	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	20	-865.82	-0.504851	1710.5263	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	30	879.32	0.512722	1710.52886	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	40	767.04	0.447254	1710.5285	---	1710-1780	PASS
Band6	10MHz	QPSK	13202	50RB	NV	50	775.39	0.452120	1710.53031	---	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	NV	-30	2440.00	1.374648	---	1779.47799	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	NV	-20	20.00	0.011268	---	1779.47872	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	NV	-10	-1420.00	-0.800000	---	1779.47858	1710-1780	PASS
Band6	10MHz	QPSK	13262	50RB	NV	0	-3390.00	-1.909000	---	1779.47858	1710-1780	PASS



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6	z		2	#0			00	859		47126	1780	
Band6 6	10MH z	QPSK	13262 2	50RB #0	NV	10	-3290. 00	-1.853 521	---	1779. 47476	1710- 1780	PASS
Band6 6	10MH z	QPSK	13262 2	50RB #0	NV	20	260.0 0	0.146 479	---	1779. 47256	1710- 1780	PASS
Band6 6	10MH z	QPSK	13262 2	50RB #0	NV	30	-940.0 0	-0.529 577	---	1779. 47641	1710- 1780	PASS
Band6 6	10MH z	QPSK	13262 2	50RB #0	NV	40	-1020. 00	-0.574 648	---	1779. 47683	1710- 1780	PASS
Band6 6	10MH z	QPSK	13262 2	50RB #0	NV	50	-2560. 00	-1.442 254	---	1779. 47319	1710- 1780	PASS

--END--