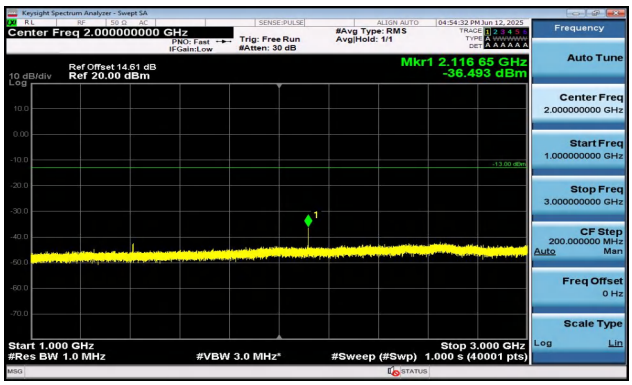

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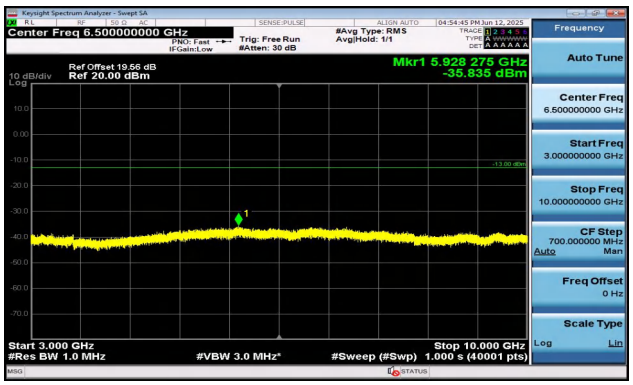

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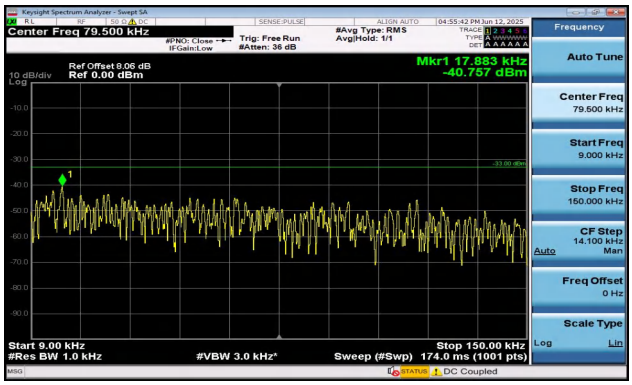

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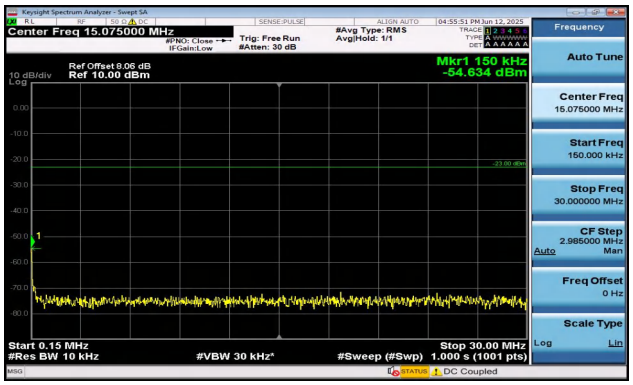

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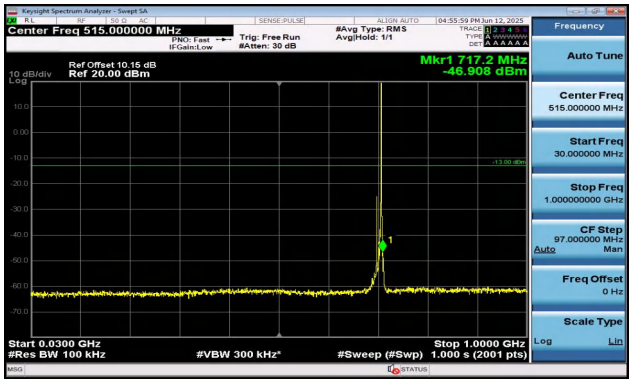

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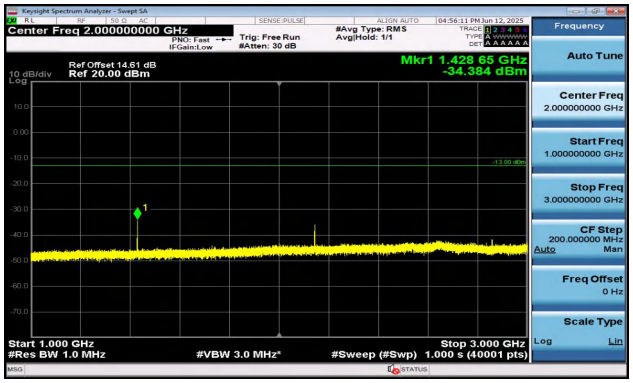
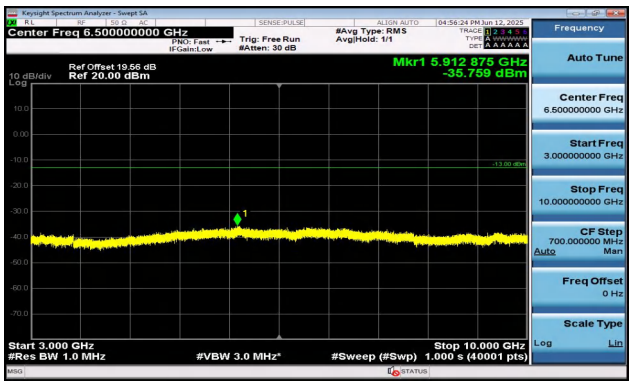


Band17-10MHz-QPSK-23790-1RB#49-1000~3000-PASS

Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502026-05



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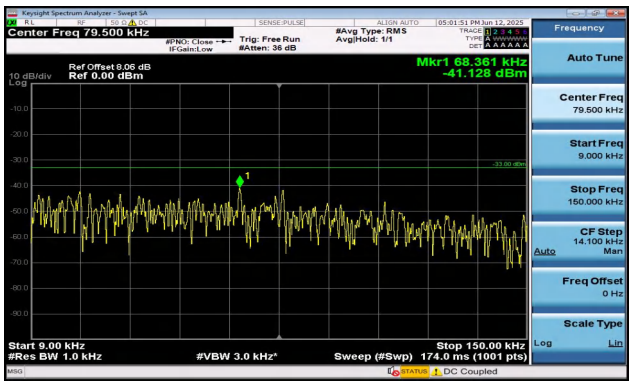

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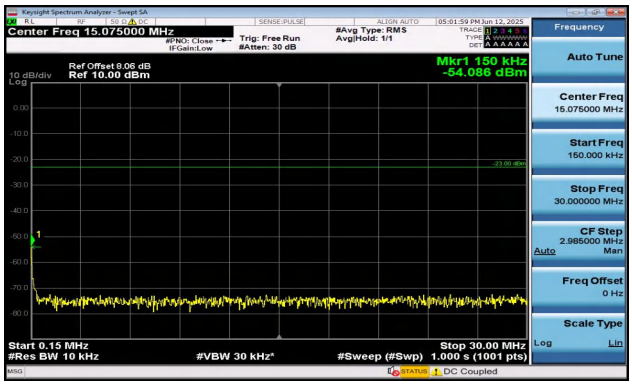

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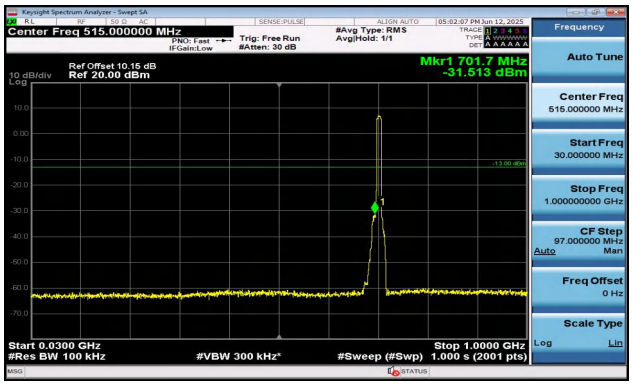

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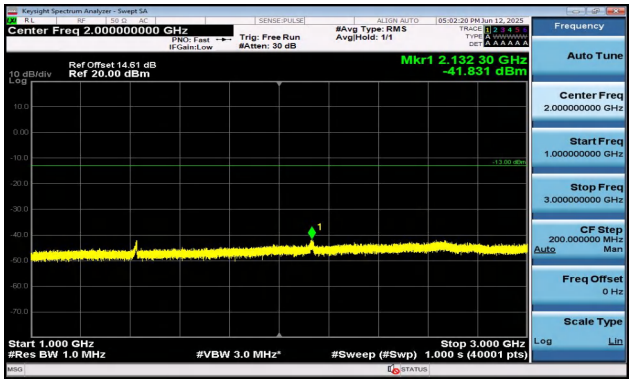

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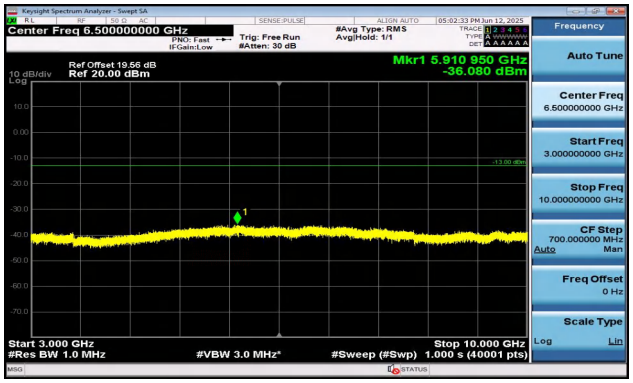

Band17-10MHz-QPSK-23790-50RB#0-3000~10000-PASS

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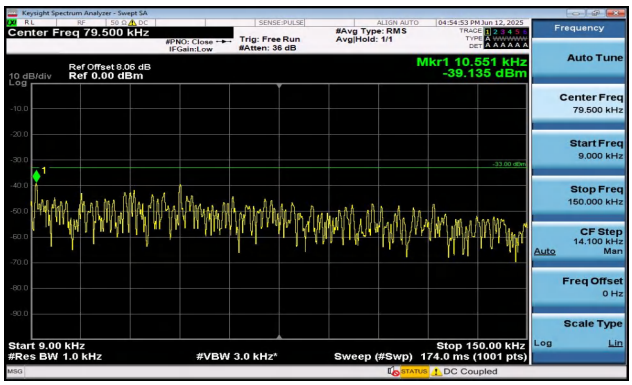
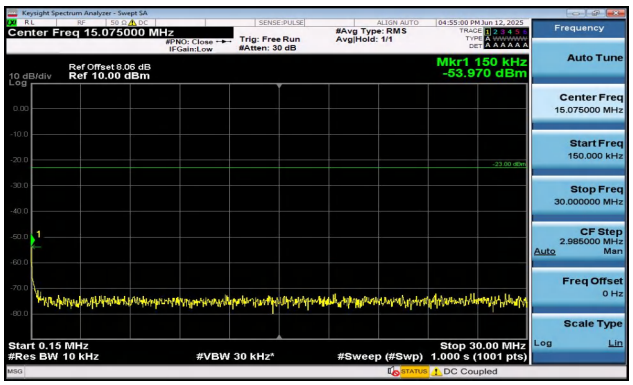
101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502026-05



Band17-10MHz-16QAM-23790-1RB#0-0.009~0.15-PASS



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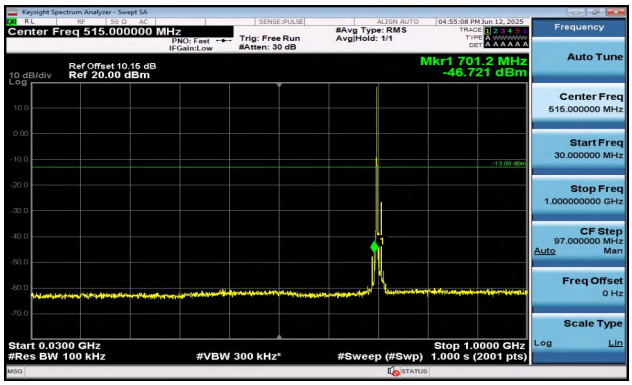

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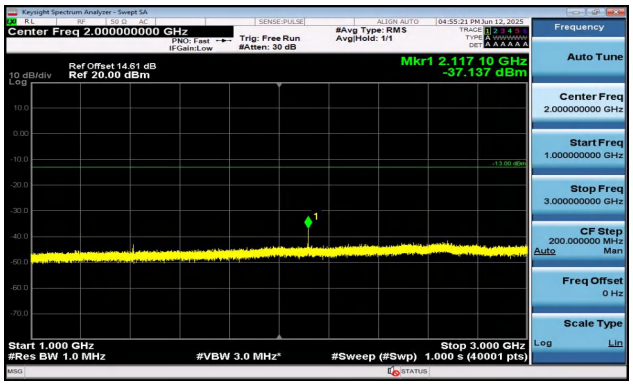

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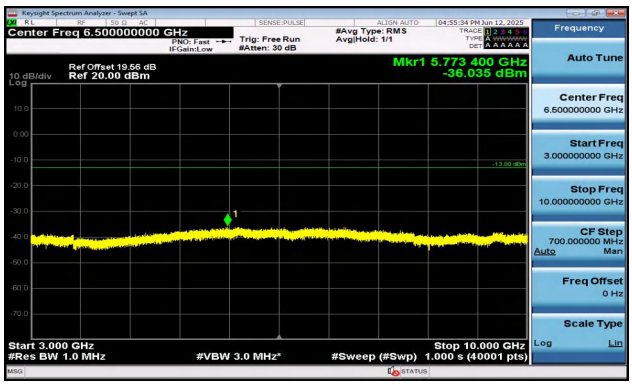

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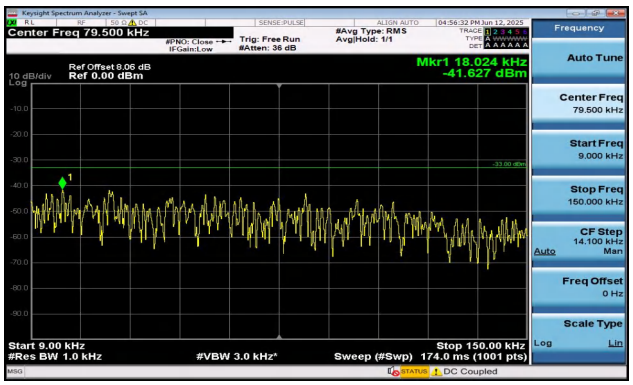

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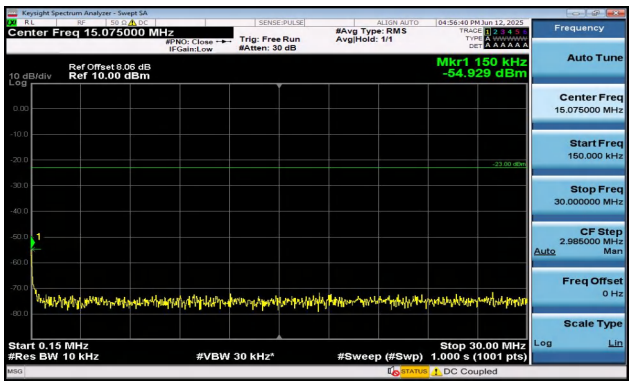

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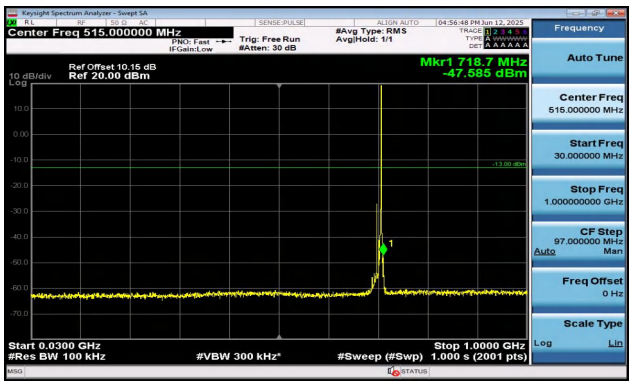

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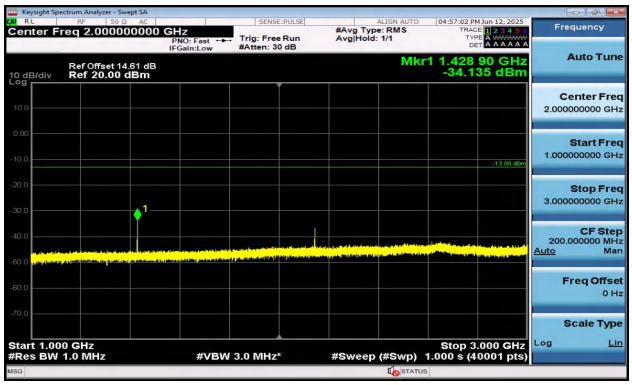

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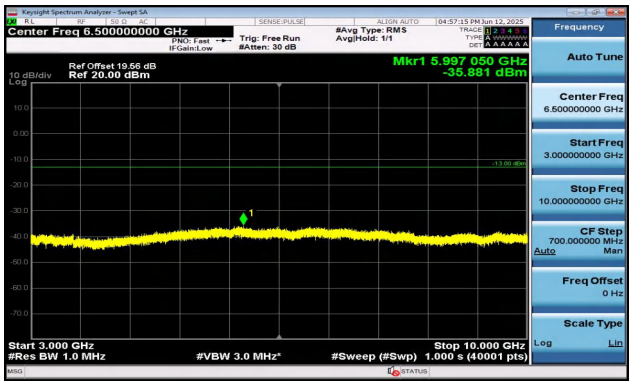

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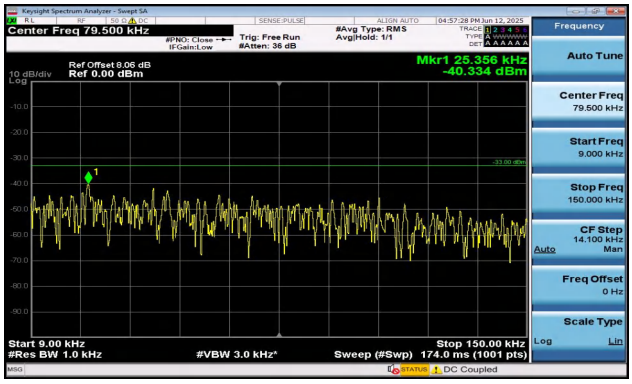
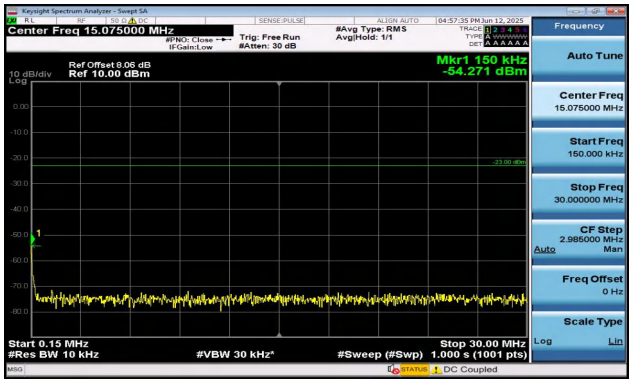


Band17-10MHz-QPSK-23800-1RB#0-0.009~0.15-PASS



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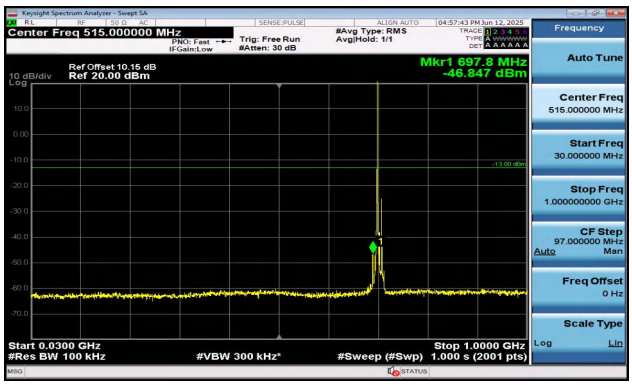

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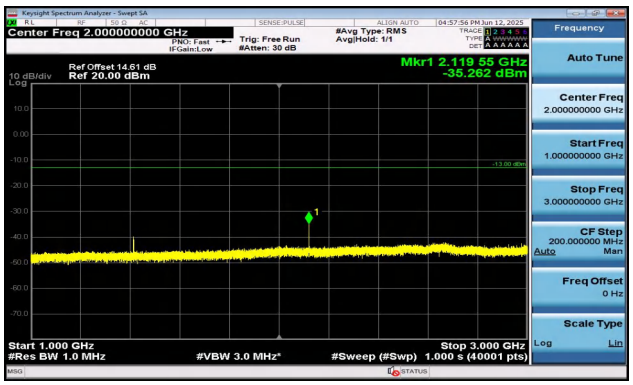

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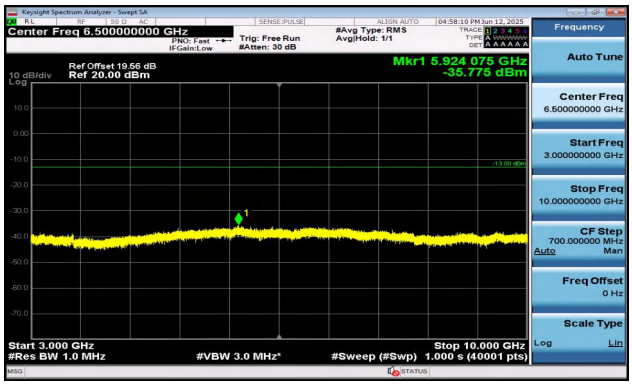
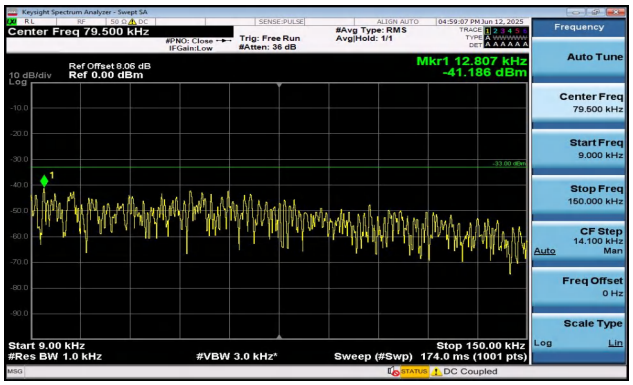


Band17-10MHz-QPSK-23800-1RB#0-3000~10000-PASS



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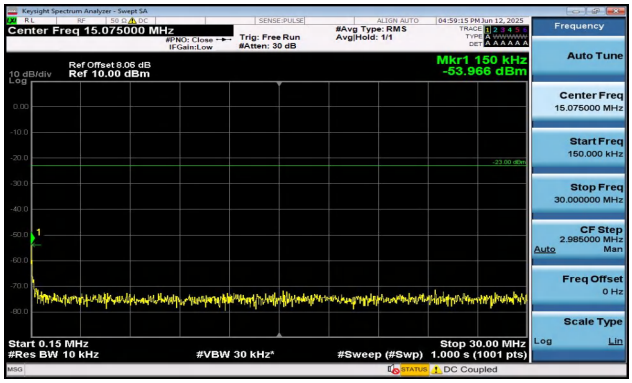

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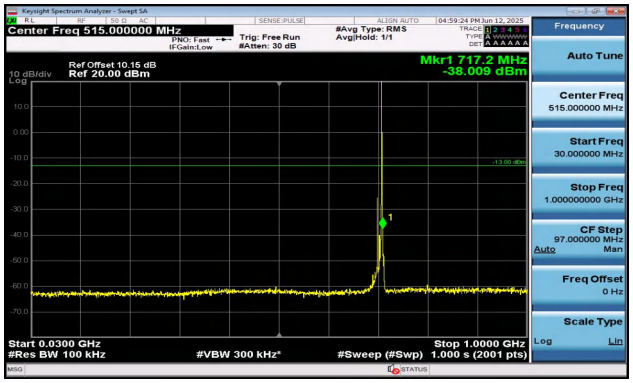

Band17-10MHz-QPSK-23800-1RB#49-30~1000-PASS

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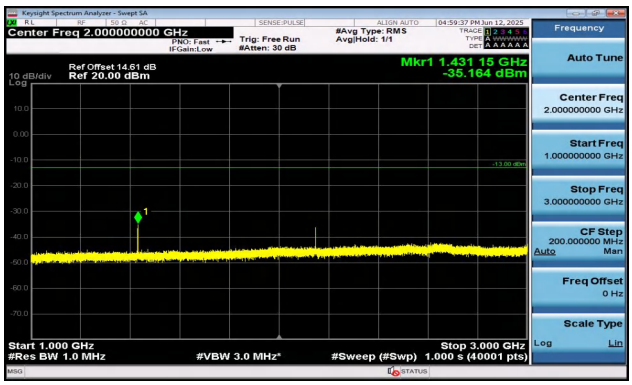
101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502026-05



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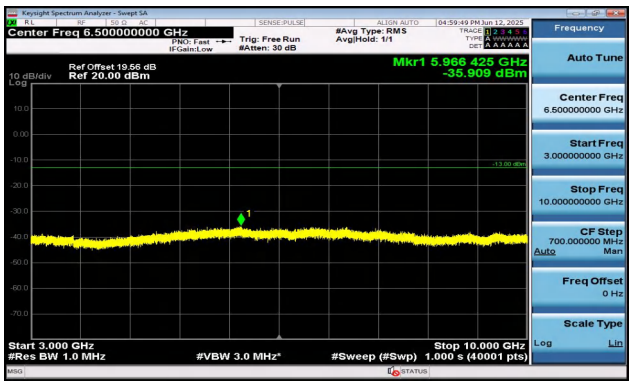
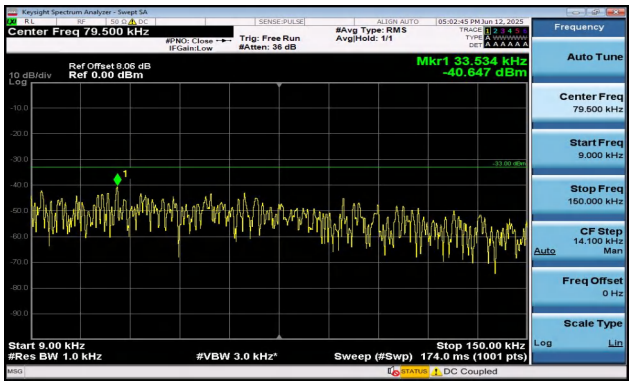


Band17-10MHz-QPSK-23800-1RB#49-3000~10000-PASS



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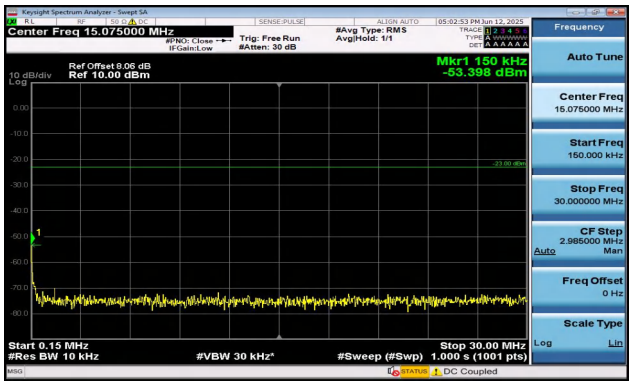

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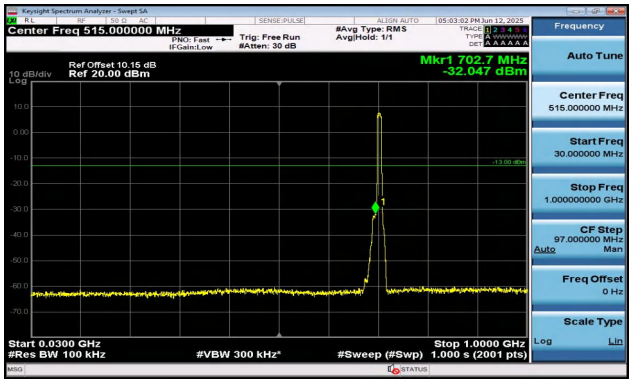
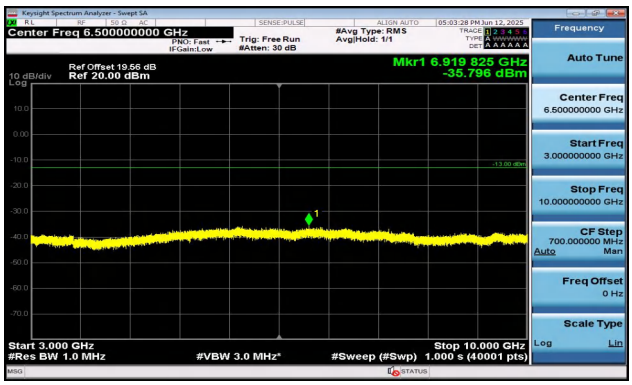
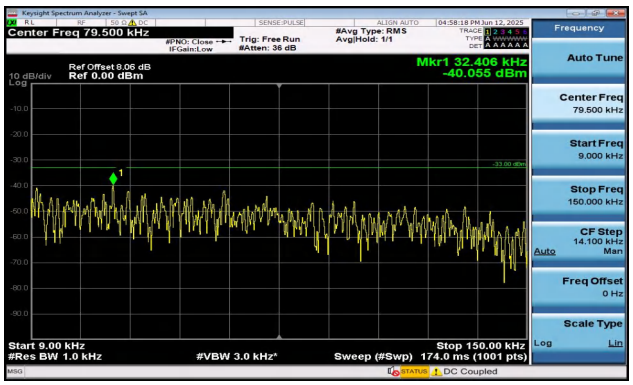


Band17-10MHz-QPSK-23800-50RB#0-30~1000-PASS

Band17-10MHz-QPSK-23800-50RB#0-1000~3000-PASS



Band17-10MHz-QPSK-23800-50RB#0-3000~10000-PASS



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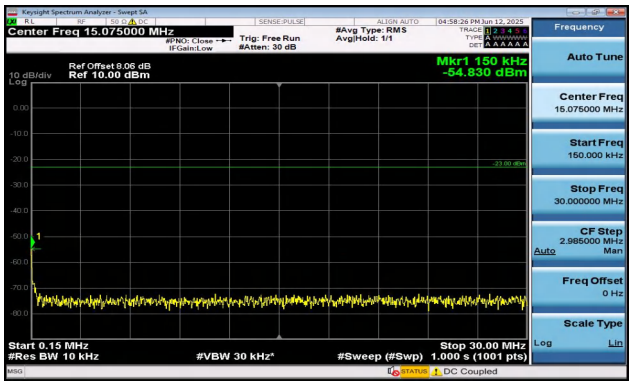

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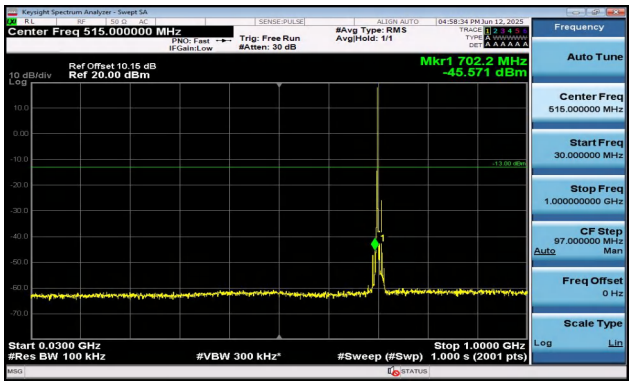

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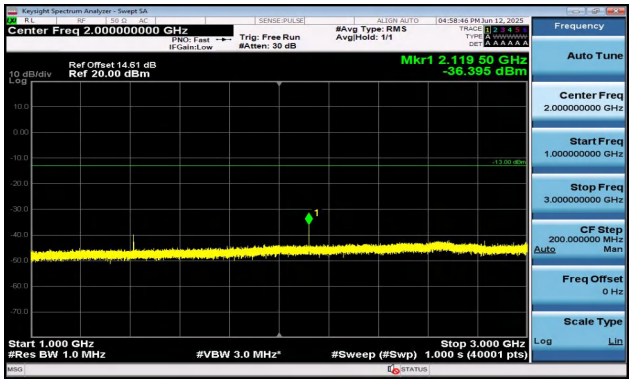

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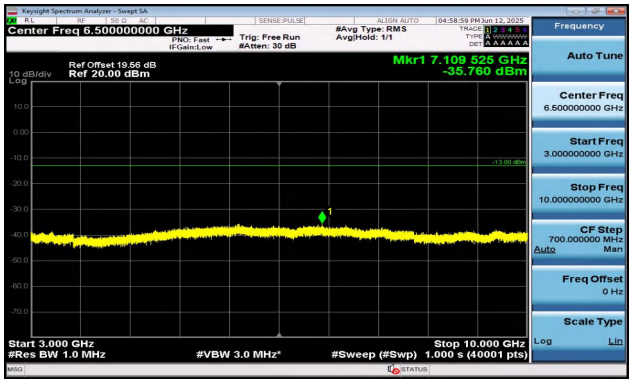

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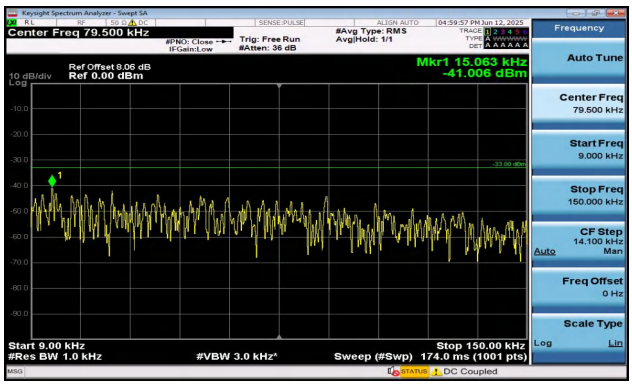
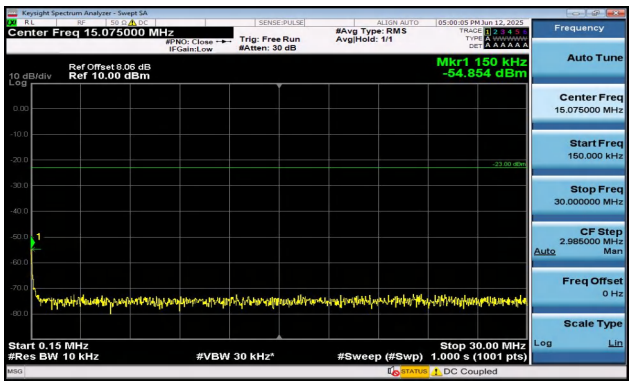
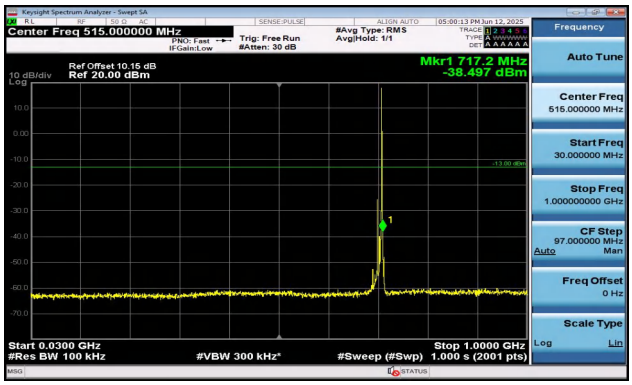


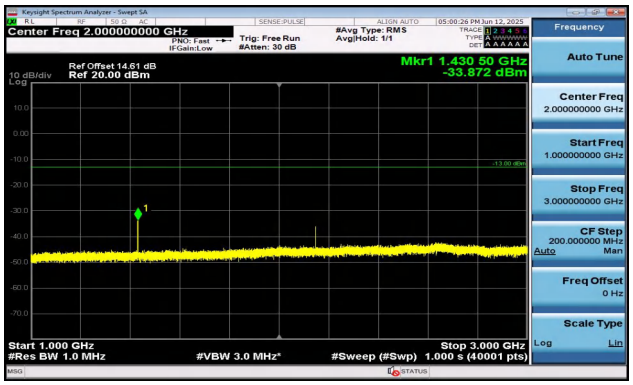
Band17-10MHz-16QAM-23800-1RB#49-0.009~0.15-PASS



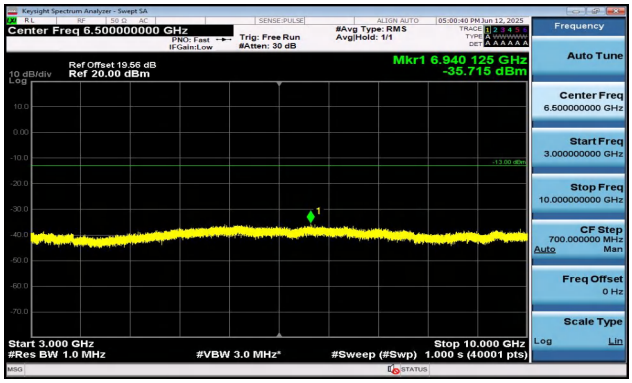
Band17-10MHz-16QAM-23800-1RB#49-0.15~30-PASS



Band17-10MHz-16QAM-23800-1RB#49-30~1000-PASS



Band17-10MHz-16QAM-23800-1RB#49-1000~3000-PASS



Band17-10MHz-16QAM-23800-1RB#49-3000~10000-PASS

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	6.82	0.009653	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	21.79	0.030842	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	19.64	0.027799	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	11.96	0.016929	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-5.22	-0.007389	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-6.32	-0.008946	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-31.24	-0.044000	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	21.86	0.030789	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	17.09	0.024070	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	9.24	0.013014	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-27.51	-0.038746	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-25.01	-0.035225	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-30.01	-0.042060	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	9.90	0.013875	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	12.75	0.017870	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	4.73	0.006629	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-29.93	-0.041948	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-26.09	-0.036566	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	25.96	0.036615	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	7.44	0.010494	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	25.15	0.035472	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-31.60	-0.044507	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	15.95	0.022465	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	21.29	0.029986	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-24.30	-0.034177	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	23.90	0.033615	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	22.87	0.032166	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

Band17	5MHz	QPSK	23755	25RB#0	NV	-30	27.54	0.038981	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	11.54	0.016334	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	2.79	0.003949	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	6.58	0.009314	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	3.79	0.005364	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	20.74	0.029356	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-3.52	-0.004982	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	7.07	0.010007	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	9.98	0.014126	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-16.57	-0.023454	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-20.21	-0.028606	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-22.43	-0.031748	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-20.23	-0.028634	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-17.68	-0.025025	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-10.01	-0.014168	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	2.15	0.003043	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	8.45	0.011960	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	16.97	0.024020	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-1.69	-0.002380	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	6.77	0.009535	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	18.94	0.026676	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-1.65	-0.002324	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	9.44	0.013296	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	15.68	0.022085	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	21.03	0.029620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	28.84	0.040620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	3.23	0.004549	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-29.08	-0.040958	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-21.79	-0.030690	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-8.13	-0.011451	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-18.93	-0.026662	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-28.12	-0.039606	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-7.08	-0.009972	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-14.33	-0.020183	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-18.10	-0.025493	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-22.92	-0.032282	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	13.86	0.019425	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	21.01	0.029446	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	21.34	0.029909	±2.5	PASS

Band17	5MHz	QPSK	23825	25RB#0	NV	0	12.65	0.017730	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	25.31	0.035473	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	4.91	0.006882	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	7.05	0.009881	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	7.41	0.010385	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	4.92	0.006896	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-22.96	-0.032179	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-8.45	-0.011843	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-15.79	-0.022130	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-18.47	-0.025886	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-17.72	-0.024835	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-15.45	-0.021654	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-13.56	-0.019005	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-9.06	-0.012698	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-3.86	-0.005410	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	28.45	0.040127	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	8.38	0.011819	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	21.49	0.030310	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	24.89	0.035106	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	13.25	0.018688	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	23.03	0.032482	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	28.54	0.040254	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	27.35	0.038575	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	23.85	0.033639	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	26.08	0.036732	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	14.83	0.020887	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	2.66	0.003746	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	17.18	0.024197	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	2.47	0.003479	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	14.82	0.020873	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	26.22	0.036930	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	6.94	0.009775	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	18.50	0.026056	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	15.75	0.022152	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-1.37	-0.001927	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	15.72	0.022110	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	27.59	0.038805	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	8.63	0.012138	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	18.45	0.025949	±2.5	PASS

Band17	10MHz	QPSK	23800	50RB#0	NV	30	26.25	0.036920	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	7.41	0.010422	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	20.03	0.028172	±2.5	PASS