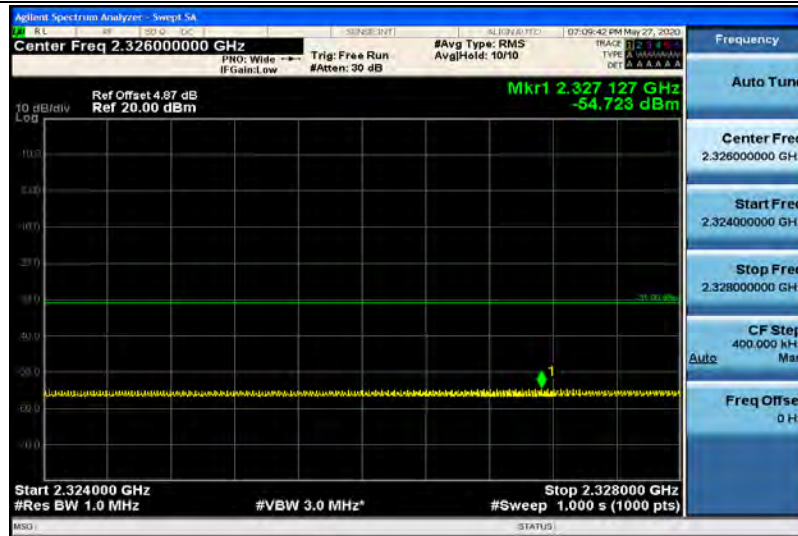
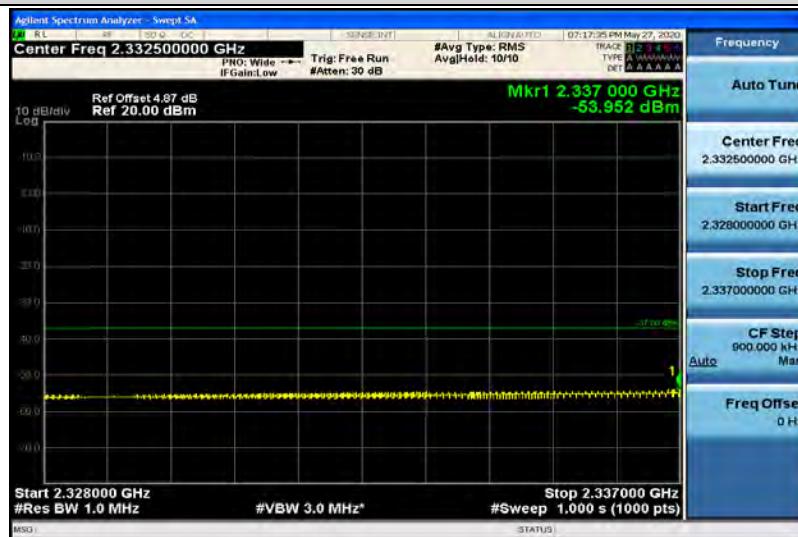




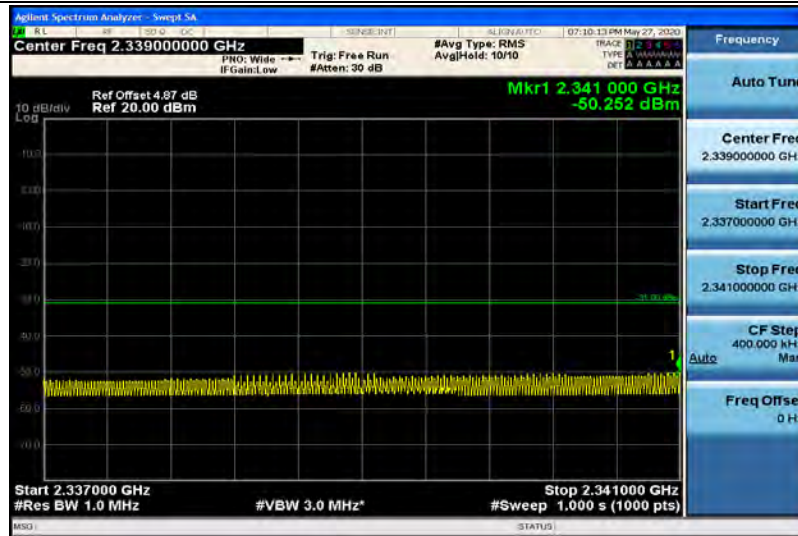
Band40-5MHz-16QAM-39200-1RB#24-Range8:2328~2337MHz



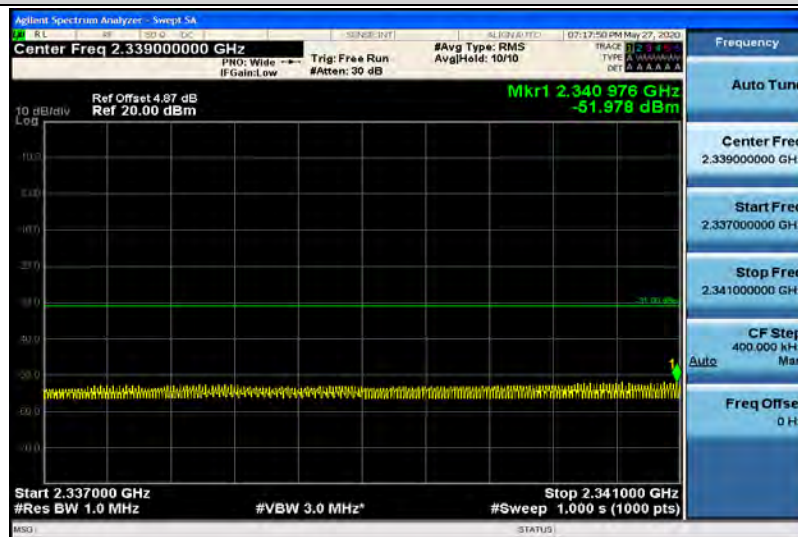
Band40-5MHz-16QAM-39200-1RB#0-Range8:2328~2337MHz



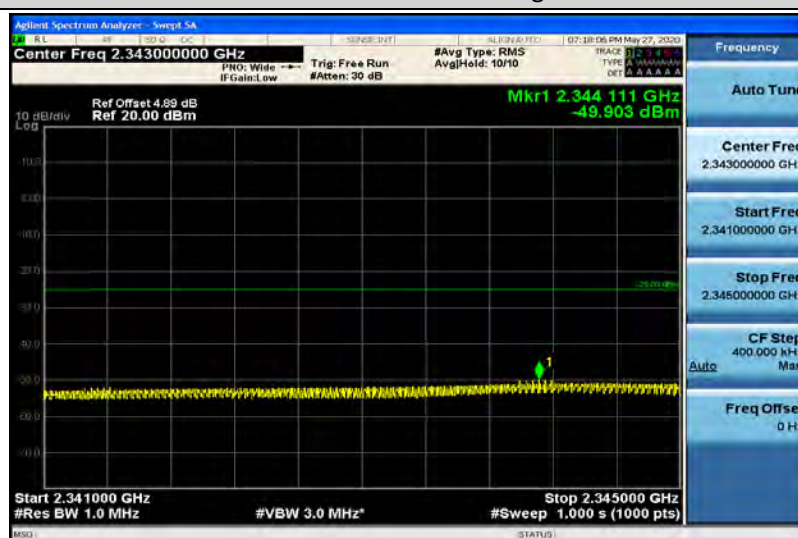
Band40-5MHz-16QAM-39200-1RB#0-Range9:2337~2341MHz



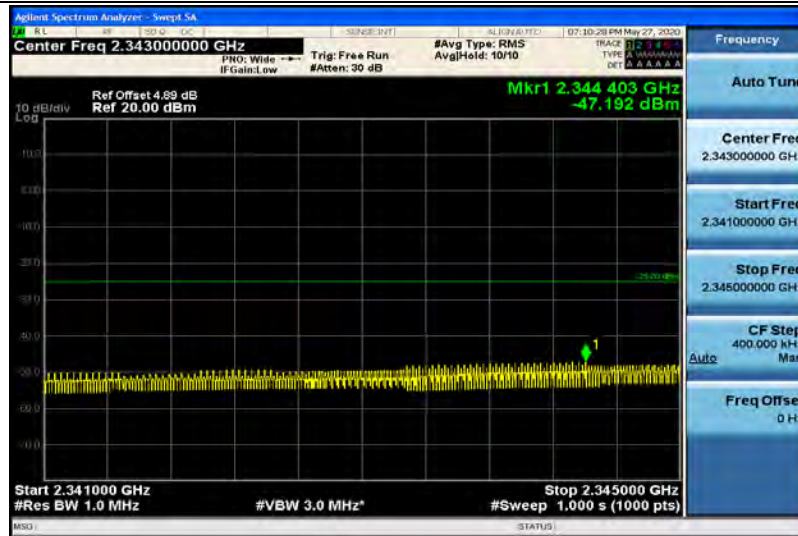
Band40-5MHz-16QAM-39200-1RB#24-Range9:2337~2341MHz



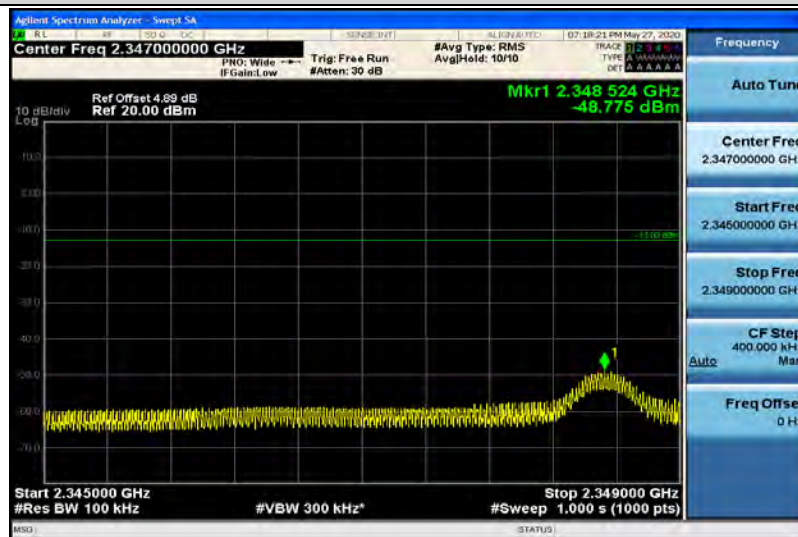
Band40-5MHz-16QAM-39200-1RB#24-Range10:2341~2345MHz



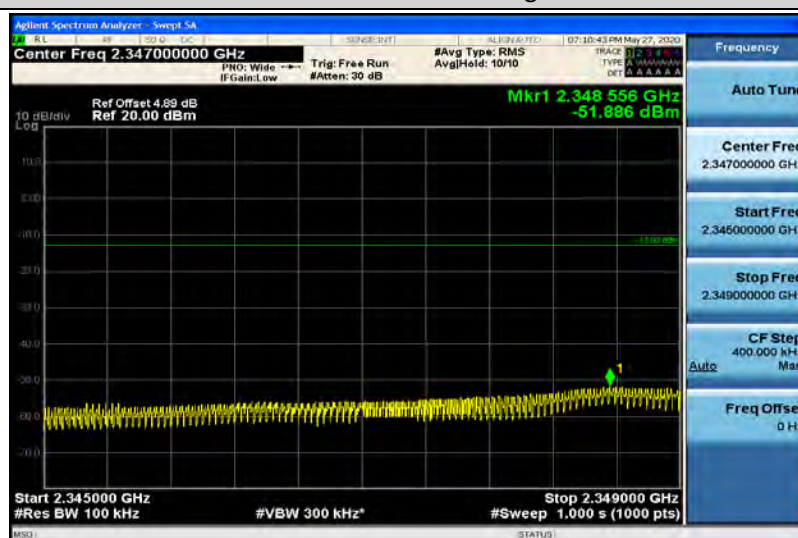
Band40-5MHz-16QAM-39200-1RB#0-Range10:2341~2345MHz



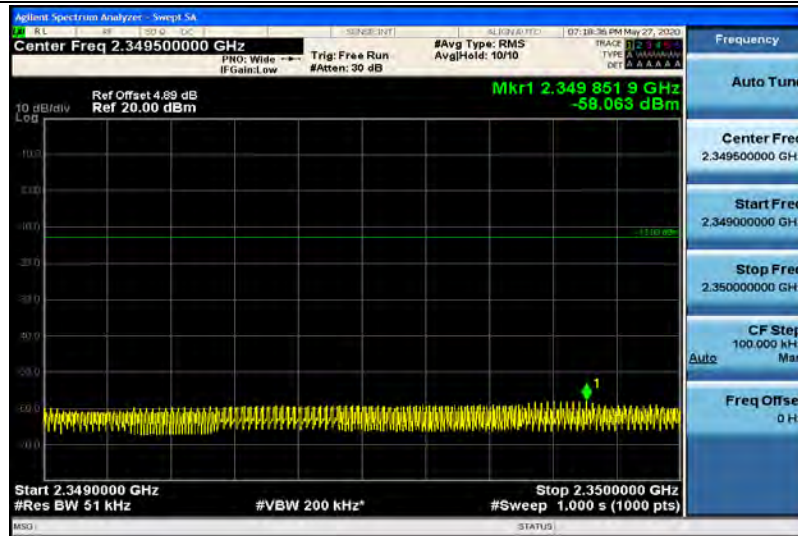
Band40-5MHz-16QAM-39200-1RB#24-Range11:2345~2349MHz



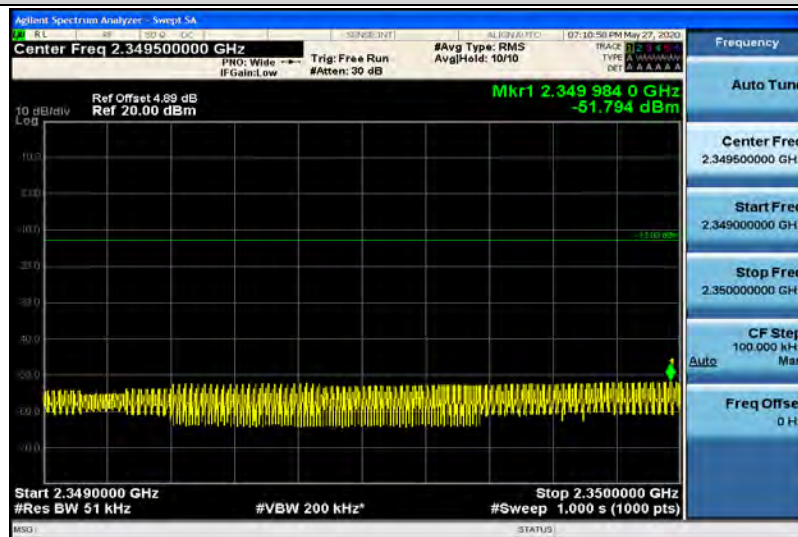
Band40-5MHz-16QAM-39200-1RB#0-Range11:2345~2349MHz



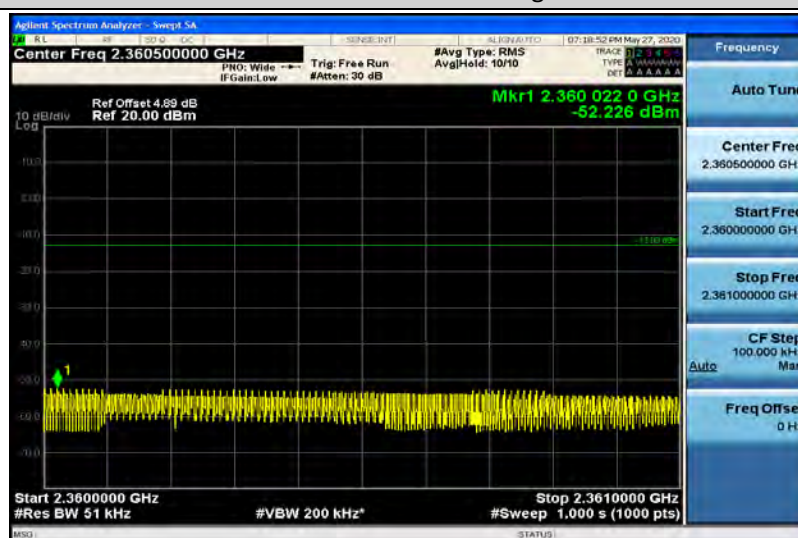
Band40-5MHz-16QAM-39200-1RB#24-Range12:2349~2350MHz



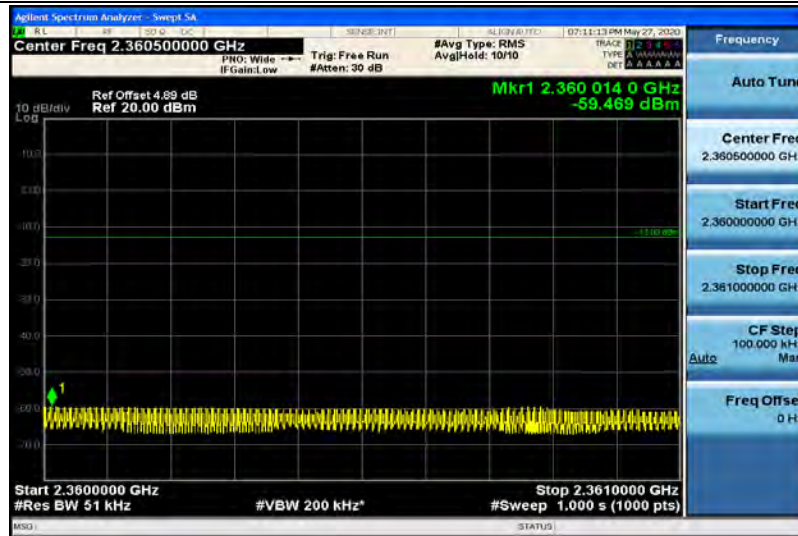
Band40-5MHz-16QAM-39200-1RB#0-Range12:2349~2350MHz



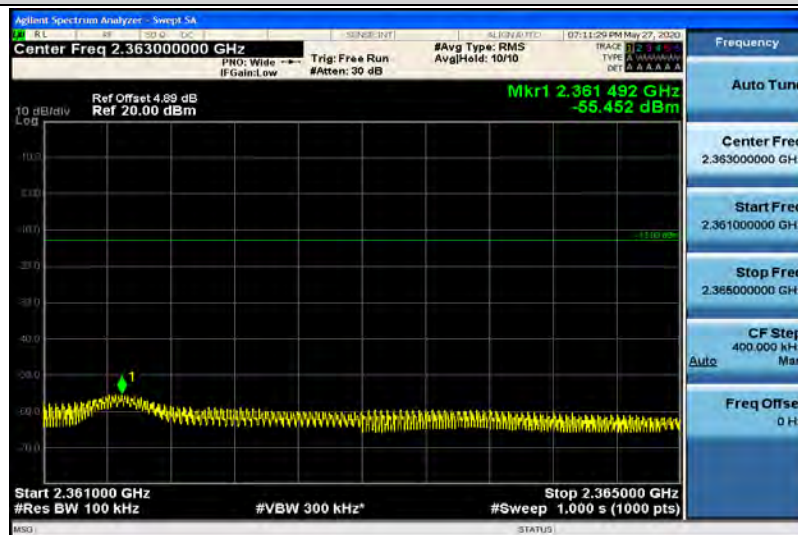
Band40-5MHz-16QAM-39200-1RB#24-Range13:2360~2361MHz



Band40-5MHz-16QAM-39200-1RB#0-Range13:2360~2361MHz



Band40-5MHz-16QAM-39200-1RB#0-Range14:2361~2365MHz



Band40-5MHz-16QAM-39200-1RB#24-Range14:2361~2365MHz



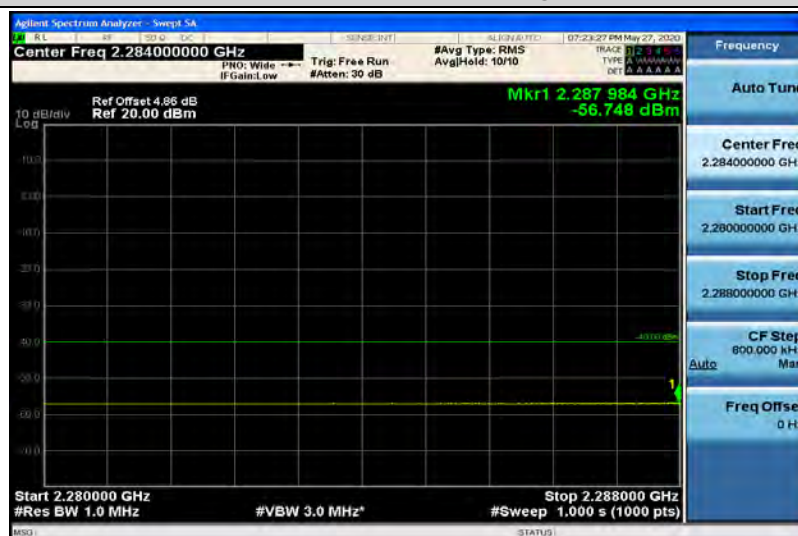
Band40-5MHz-16QAM-39200-1RB#0-Range15:2365~2400MHz



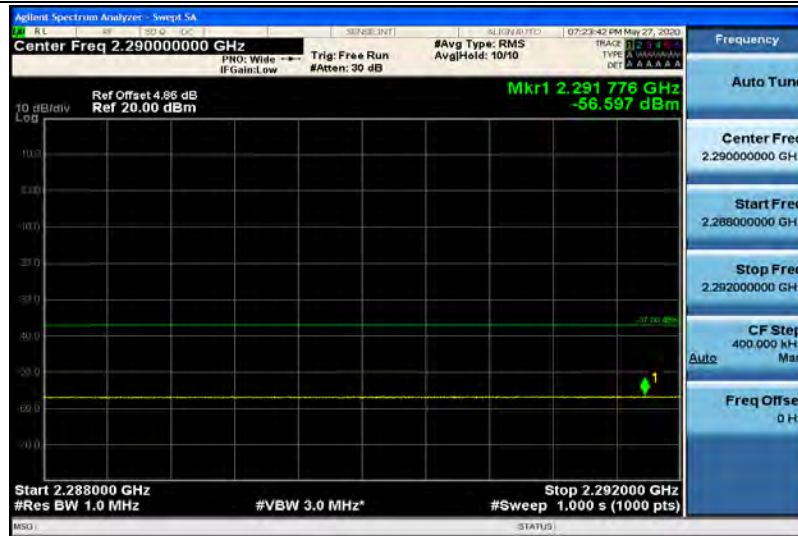
Band40-5MHz-16QAM-39200-1RB#24-Range15:2365~2400MHz



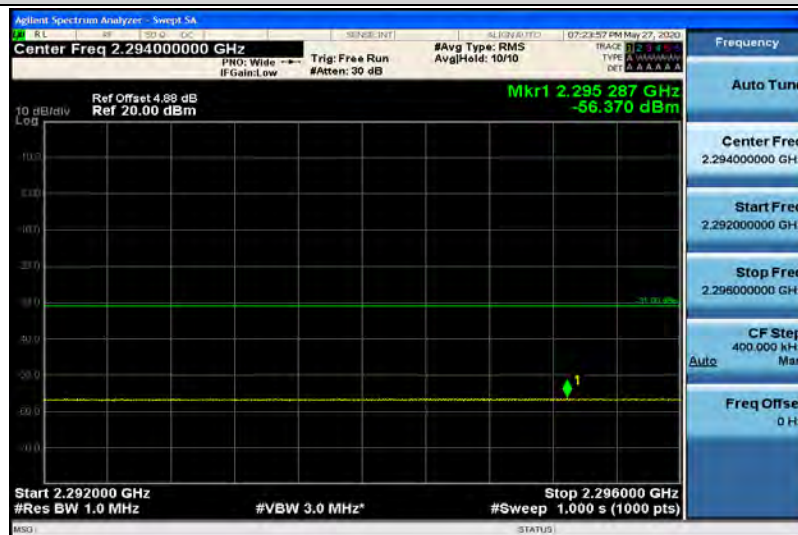
Band40-5MHz-16QAM-39200-25RB#0-Range1:2280~2288MHz



Band40-5MHz-16QAM-39200-25RB#0-Range2:2288~2292MHz



Band40-5MHz-16QAM-39200-25RB#0-Range3:2292~2296MHz



Band40-5MHz-16QAM-39200-25RB#0-Range4:2296~2300MHz



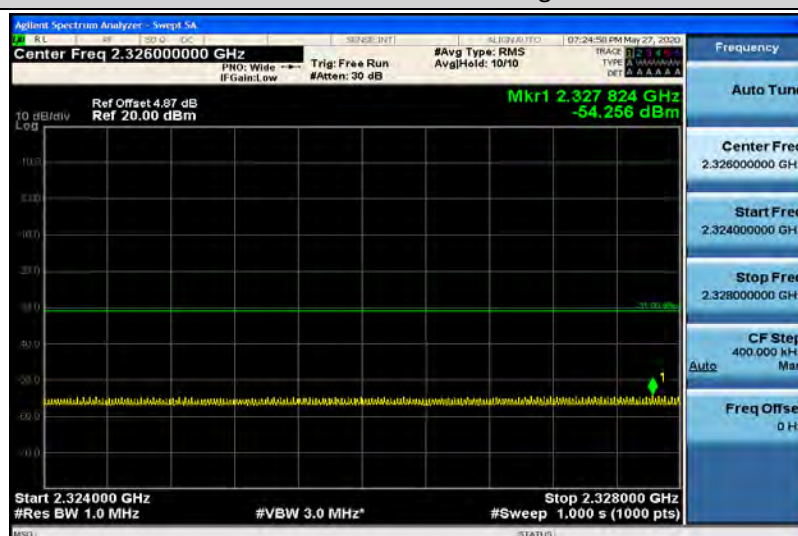
Band40-5MHz-16QAM-39200-25RB#0-Range5:2300~2320MHz



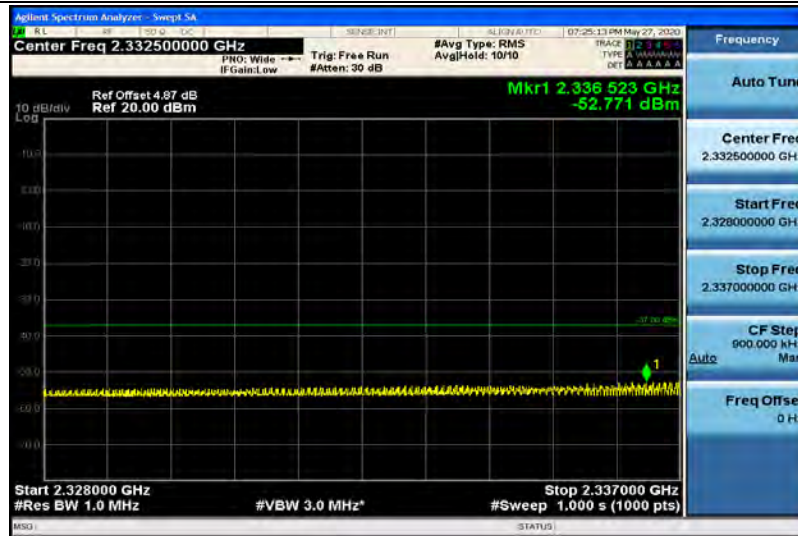
Band40-5MHz-16QAM-39200-25RB#0-Range6:2320~2324MHz



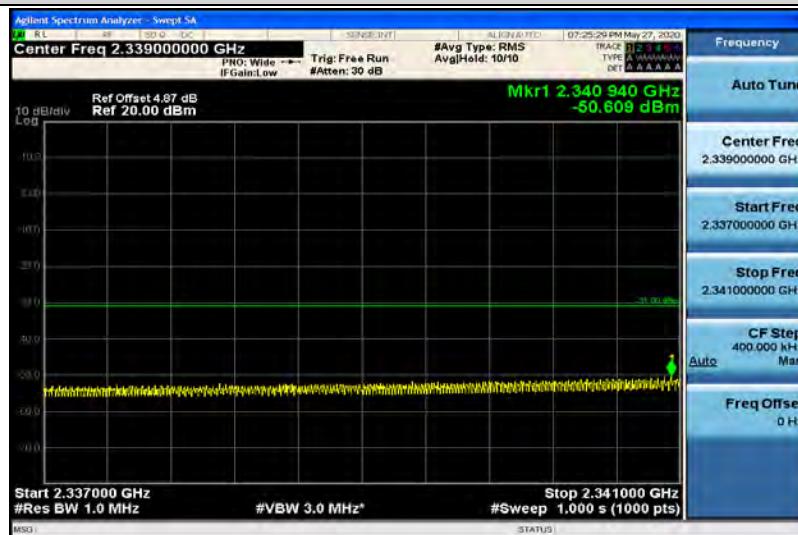
Band40-5MHz-16QAM-39200-25RB#0-Range7:2324~2328MHz



Band40-5MHz-16QAM-39200-25RB#0-Range8:2328~2337MHz



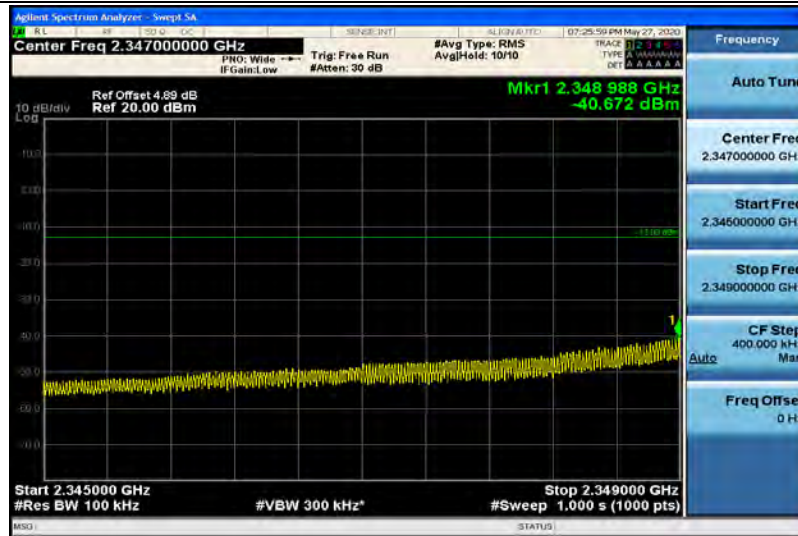
Band40-5MHz-16QAM-39200-25RB#0-Range9:2337~2341MHz



Band40-5MHz-16QAM-39200-25RB#0-Range10:2341~2345MHz



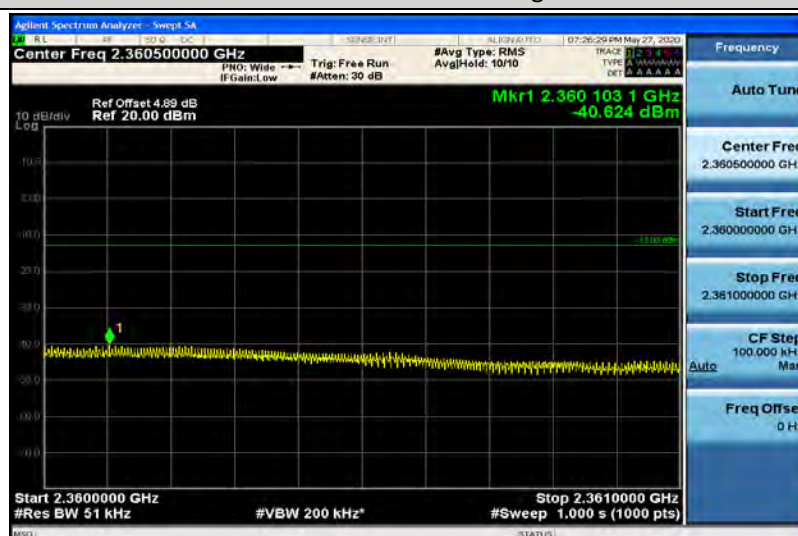
Band40-5MHz-16QAM-39200-25RB#0-Range11:2345~2349MHz



Band40-5MHz-16QAM-39200-25RB#0-Range12:2349~2350MHz



Band40-5MHz-16QAM-39200-25RB#0-Range13:2360~2361MHz



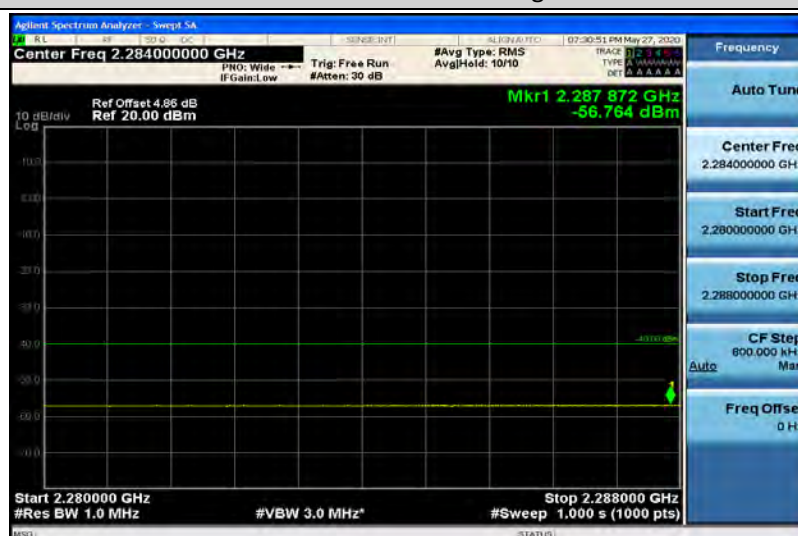
Band40-5MHz-16QAM-39200-25RB#0-Range14:2361~2365MHz



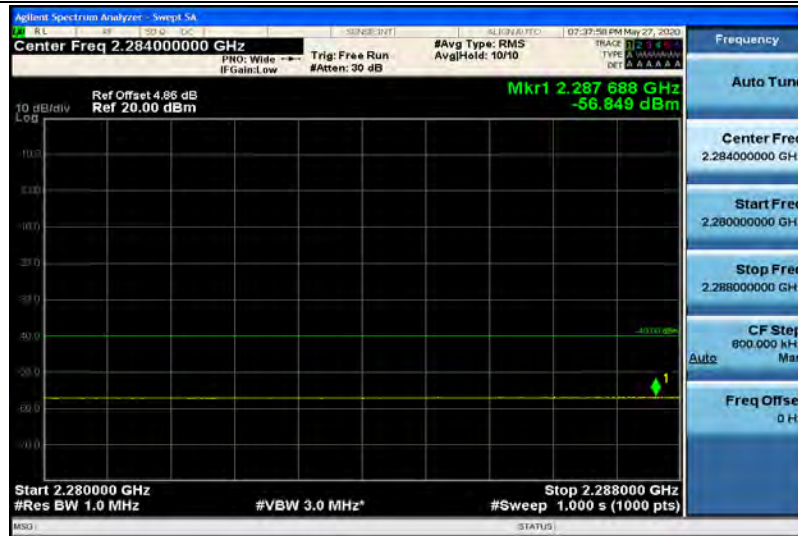
Band40-5MHz-16QAM-39200-25RB#0-Range15:2365~2400MHz



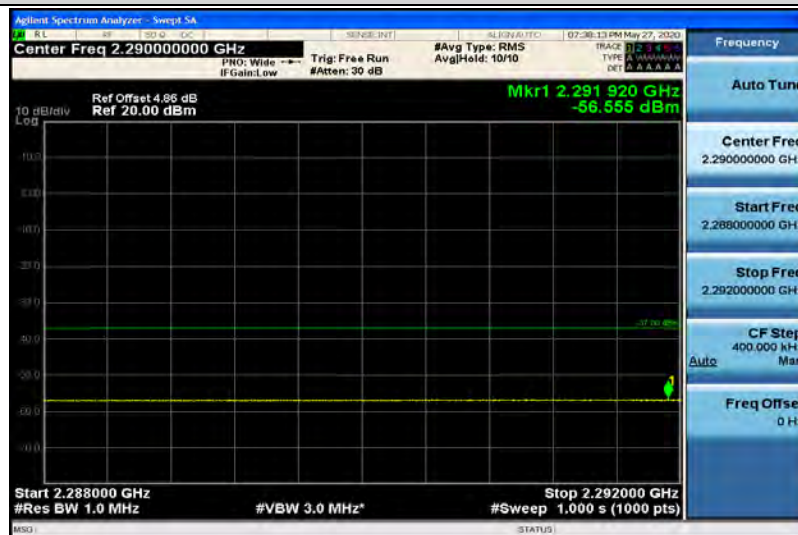
Band40-5MHz-16QAM-39225-1RB#0-Range1:2280~2288MHz



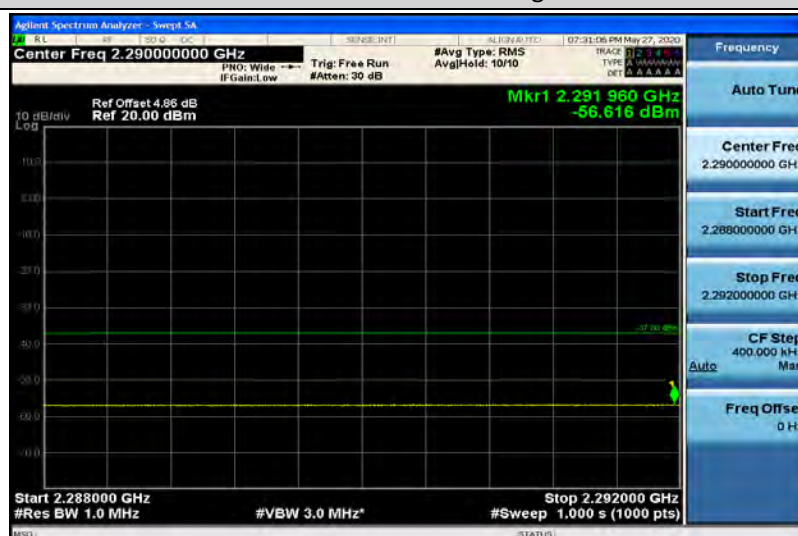
Band40-5MHz-16QAM-39225-1RB#24-Range1:2280~2288MHz



Band40-5MHz-16QAM-39225-1RB#24-Range2:2288~2292MHz



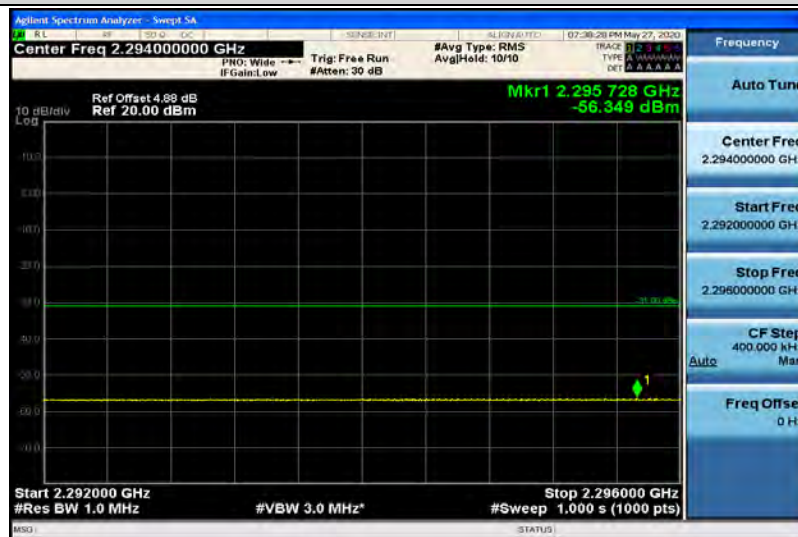
Band40-5MHz-16QAM-39225-1RB#0-Range2:2288~2292MHz



Band40-5MHz-16QAM-39225-1RB#0-Range3:2292~2296MHz



Band40-5MHz-16QAM-39225-1RB#24-Range3:2292~2296MHz



Band40-5MHz-16QAM-39225-1RB#0-Range4:2296~2300MHz



Band40-5MHz-16QAM-39225-1RB#24-Range4:2296~2300MHz



Band40-5MHz-16QAM-39225-1RB#0-Range5:2300~2320MHz



Band40-5MHz-16QAM-39225-1RB#24-Range5:2300~2320MHz



Band40-5MHz-16QAM-39225-1RB#24-Range6:2320~2324MHz



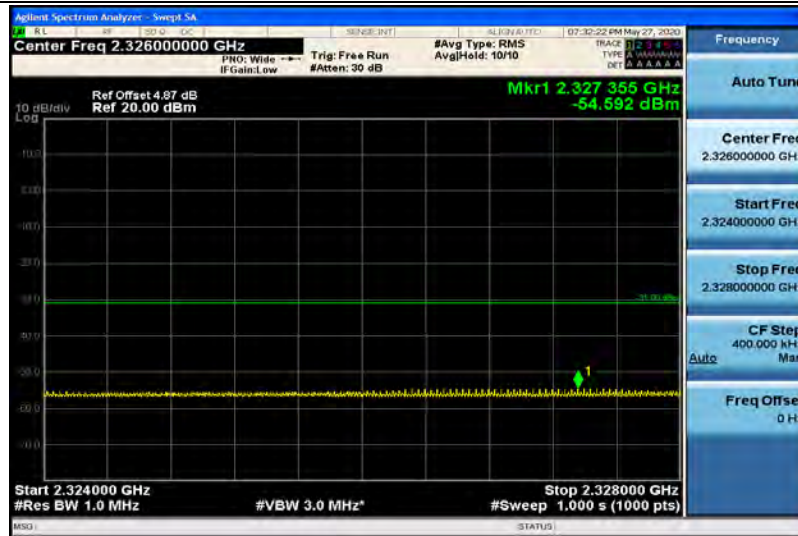
Band40-5MHz-16QAM-39225-1RB#0-Range6:2320~2324MHz



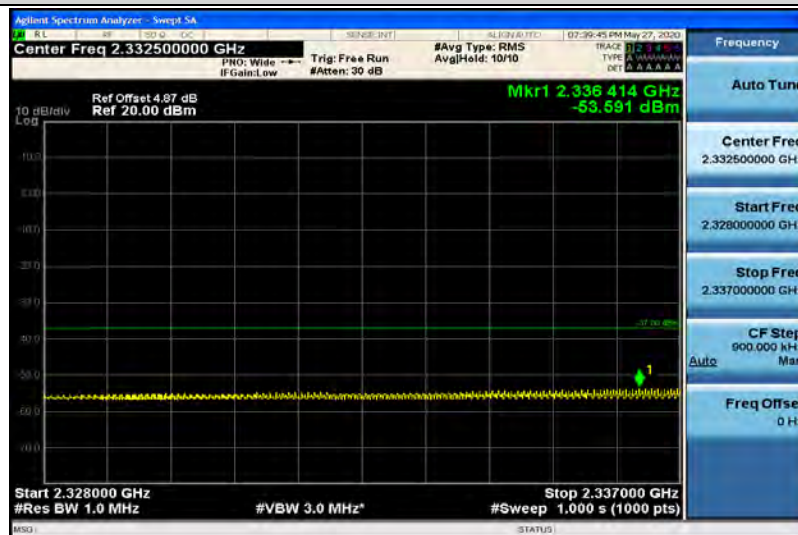
Band40-5MHz-16QAM-39225-1RB#24-Range7:2324~2328MHz



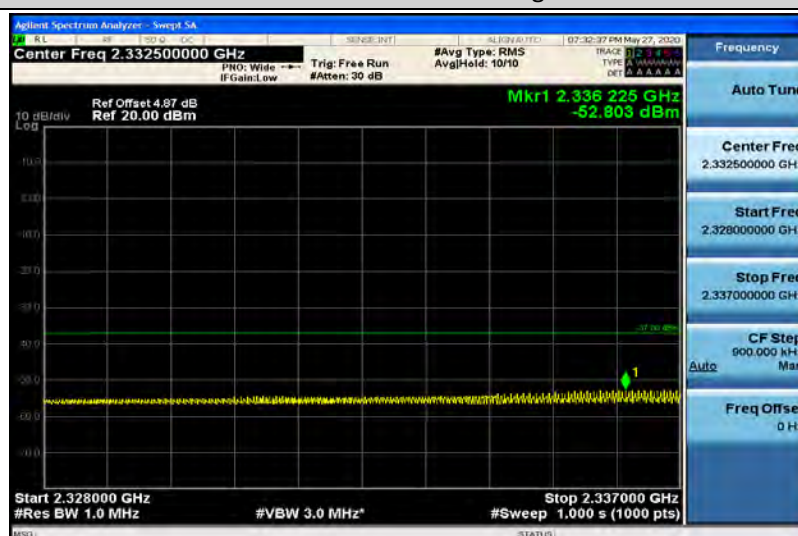
Band40-5MHz-16QAM-39225-1RB#0-Range7:2324~2328MHz



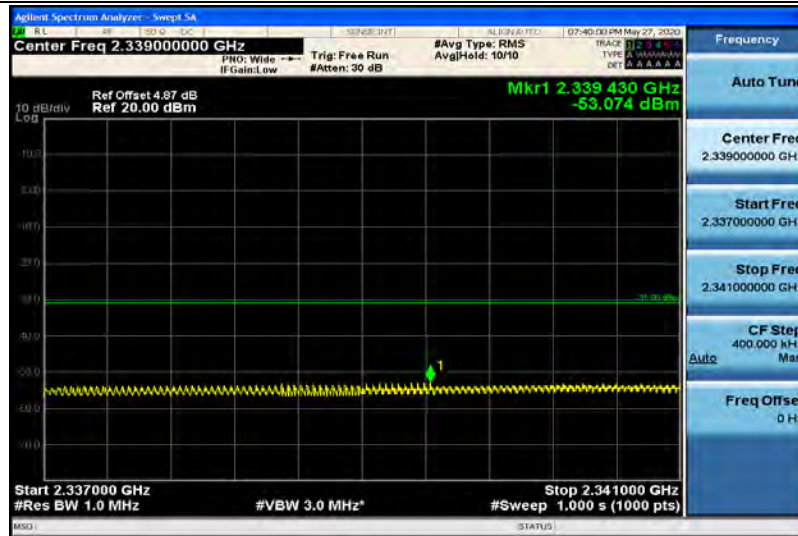
Band40-5MHz-16QAM-39225-1RB#24-Range8:2328~2337MHz



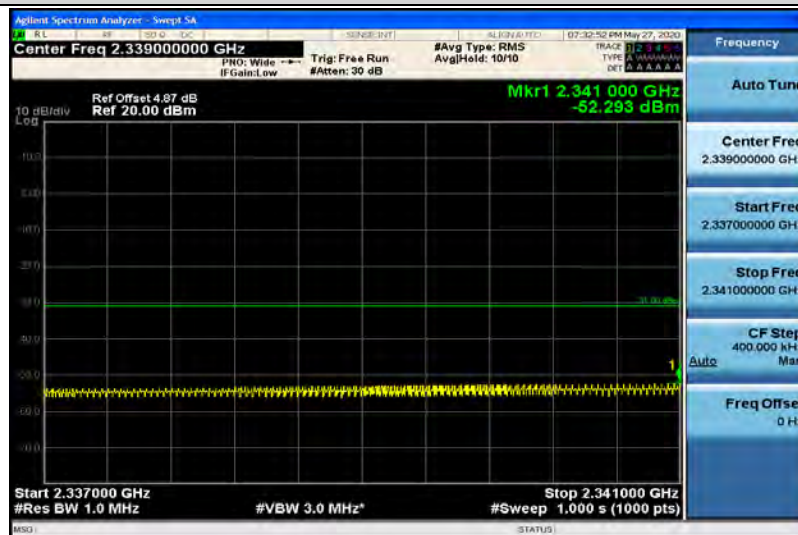
Band40-5MHz-16QAM-39225-1RB#0-Range8:2328~2337MHz



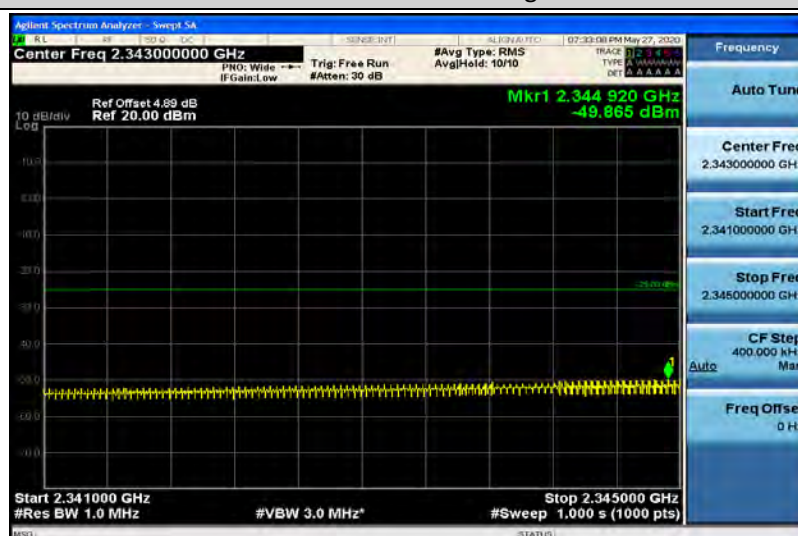
Band40-5MHz-16QAM-39225-1RB#24-Range9:2337~2341MHz



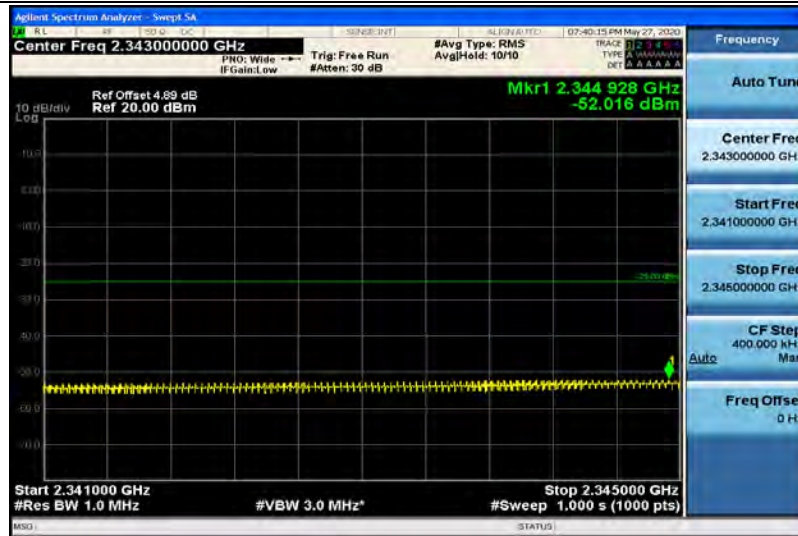
Band40-5MHz-16QAM-39225-1RB#0-Range9:2337~2341MHz



Band40-5MHz-16QAM-39225-1RB#0-Range10:2341~2345MHz



Band40-5MHz-16QAM-39225-1RB#24-Range10:2341~2345MHz



Band40-5MHz-16QAM-39225-1RB#24-Range11:2345~2350MHz



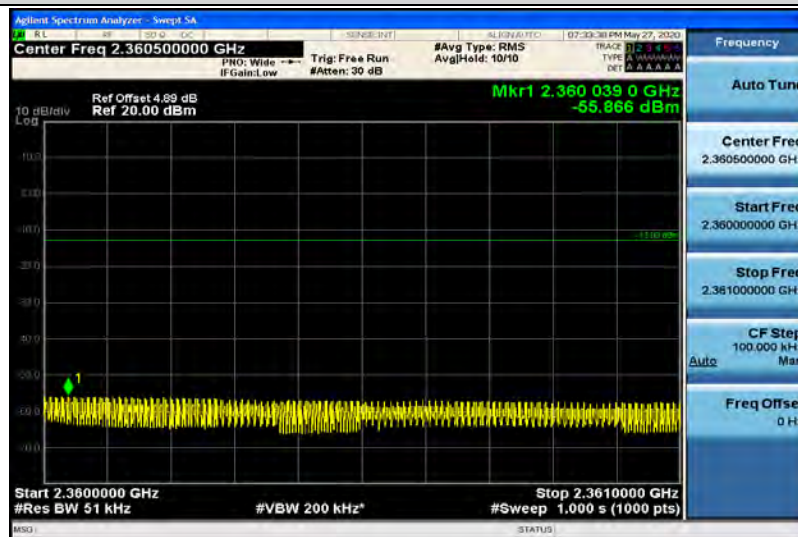
Band40-5MHz-16QAM-39225-1RB#0-Range11:2345~2350MHz



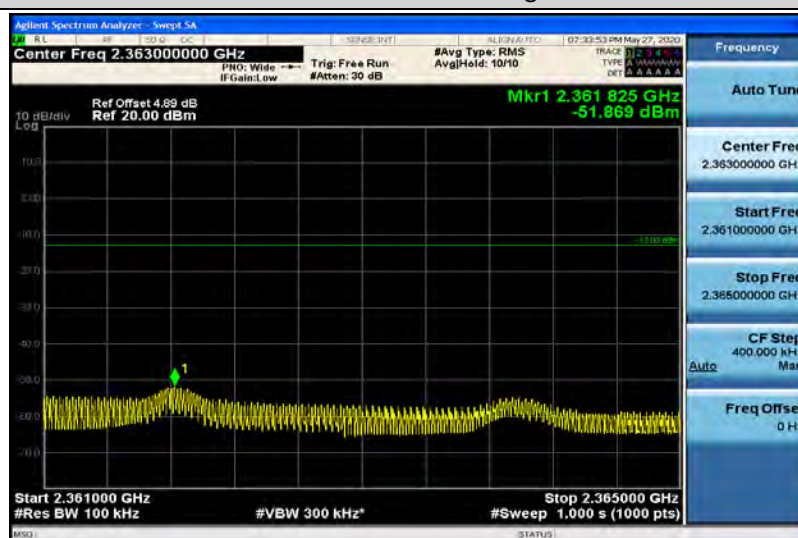
Band40-5MHz-16QAM-39225-1RB#24-Range12:2360~2361MHz



Band40-5MHz-16QAM-39225-1RB#0-Range12:2360~2361MHz



Band40-5MHz-16QAM-39225-1RB#0-Range13:2361~2365MHz



Band40-5MHz-16QAM-39225-1RB#24-Range13:2361~2365MHz



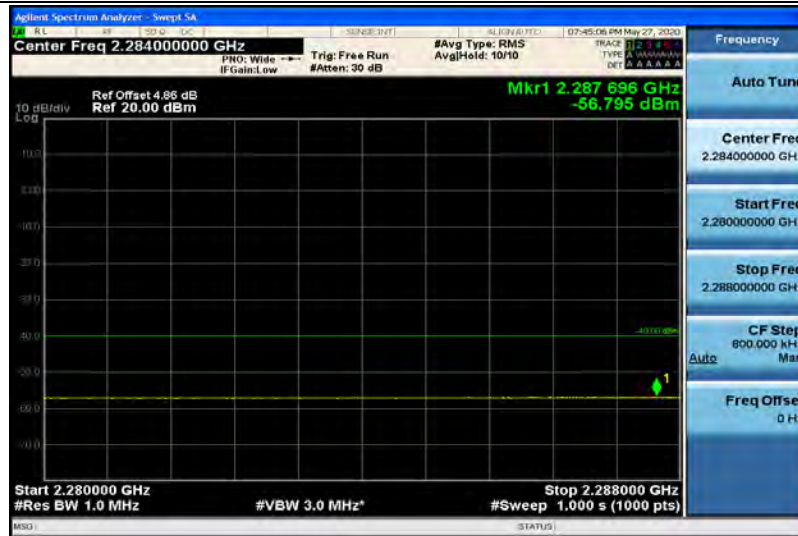
Band40-5MHz-16QAM-39225-1RB#24-Range14:2365~2400MHz



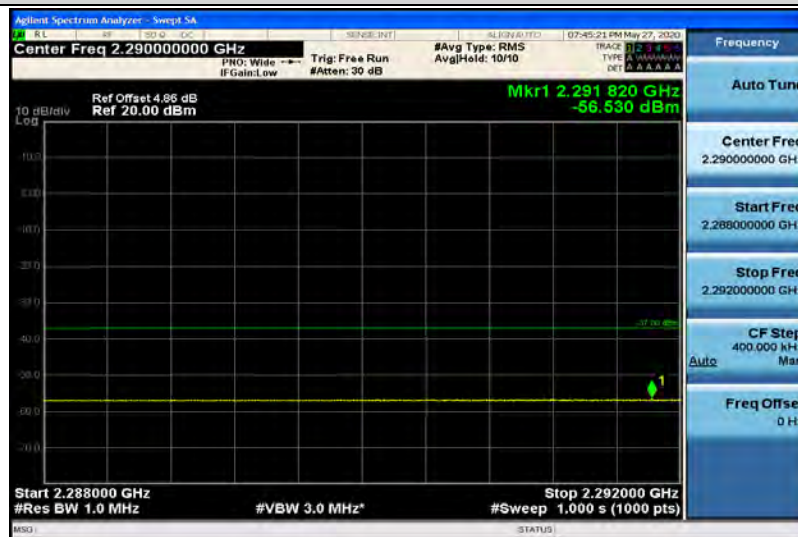
Band40-5MHz-16QAM-39225-1RB#0-Range14:2365~2400MHz



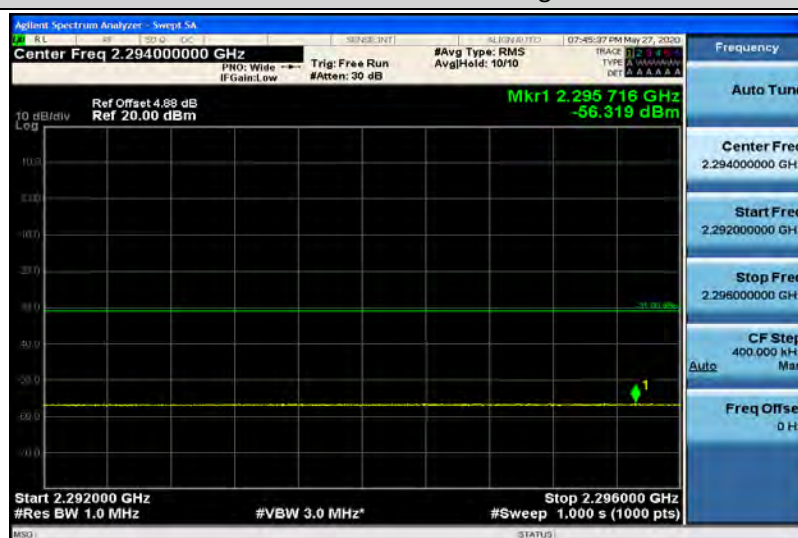
Band40-5MHz-16QAM-39225-25RB#0-Range1:2280~2288MHz



Band40-5MHz-16QAM-39225-25RB#0-Range2:2288~2292MHz



Band40-5MHz-16QAM-39225-25RB#0-Range3:2292~2296MHz



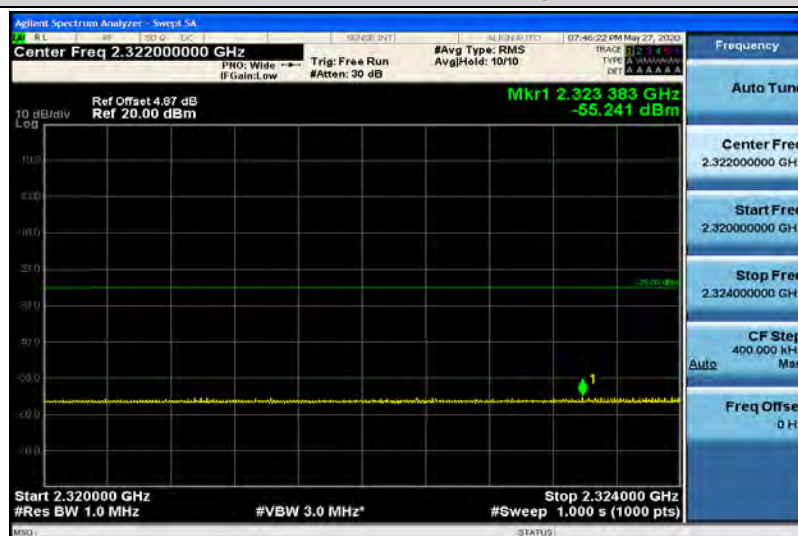
Band40-5MHz-16QAM-39225-25RB#0-Range4:2296~2300MHz



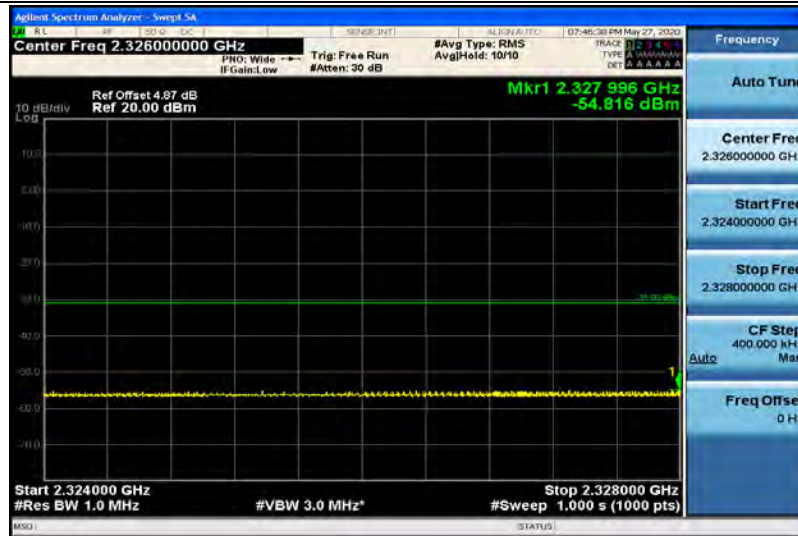
Band40-5MHz-16QAM-39225-25RB#0-Range5:2300~2320MHz



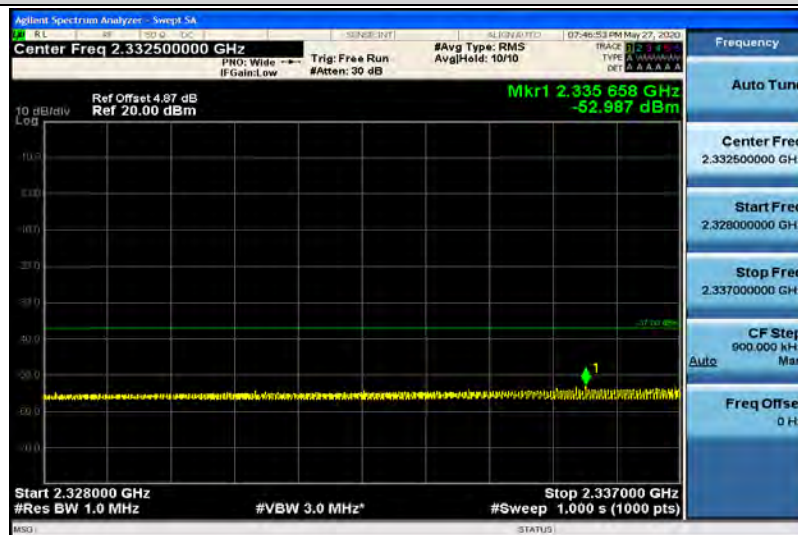
Band40-5MHz-16QAM-39225-25RB#0-Range6:2320~2324MHz



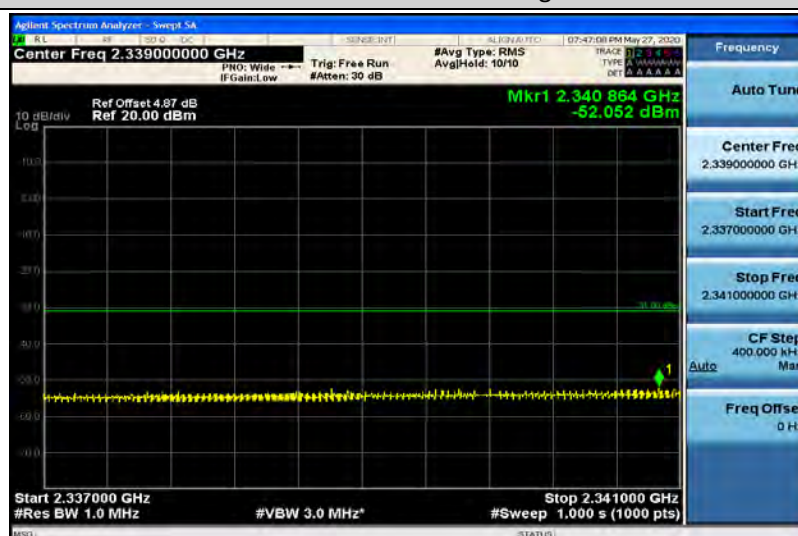
Band40-5MHz-16QAM-39225-25RB#0-Range7:2324~2328MHz



Band40-5MHz-16QAM-39225-25RB#0-Range8:2328~2337MHz



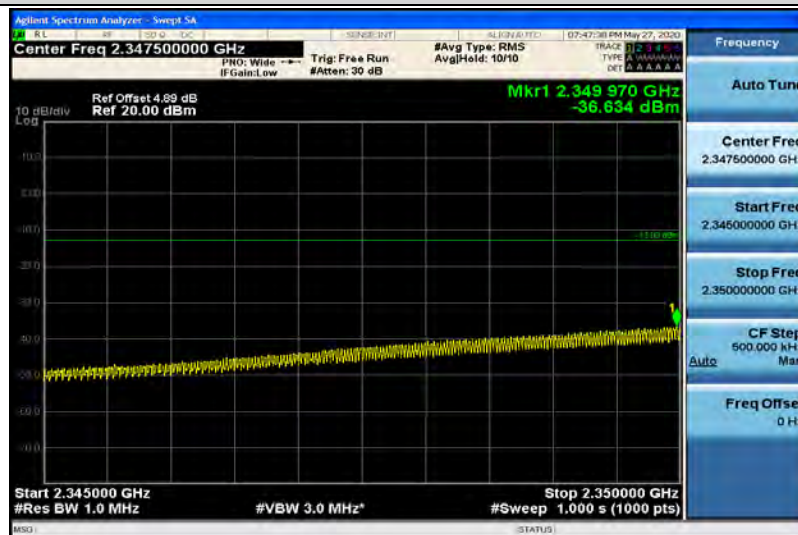
Band40-5MHz-16QAM-39225-25RB#0-Range9:2337~2341MHz



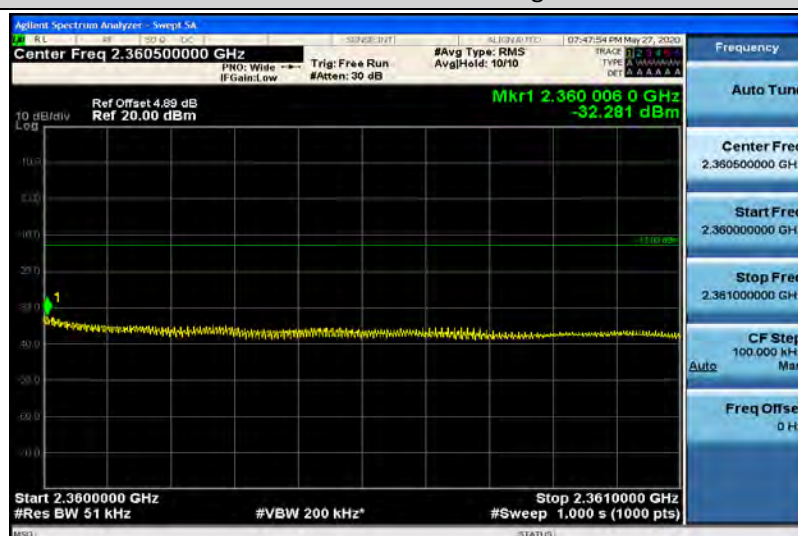
Band40-5MHz-16QAM-39225-25RB#0-Range10:2341~2345MHz



Band40-5MHz-16QAM-39225-25RB#0-Range11:2345~2350MHz



Band40-5MHz-16QAM-39225-25RB#0-Range12:2360~2361MHz



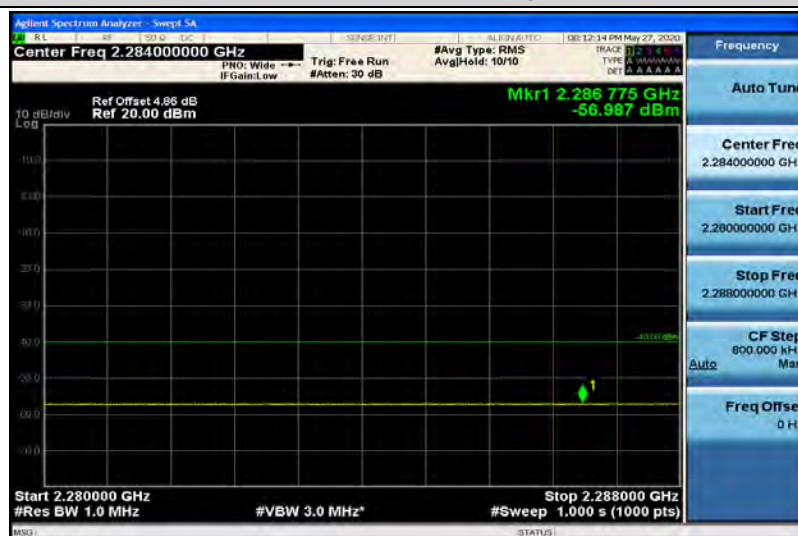
Band40-5MHz-16QAM-39225-25RB#0-Range13:2361~2365MHz



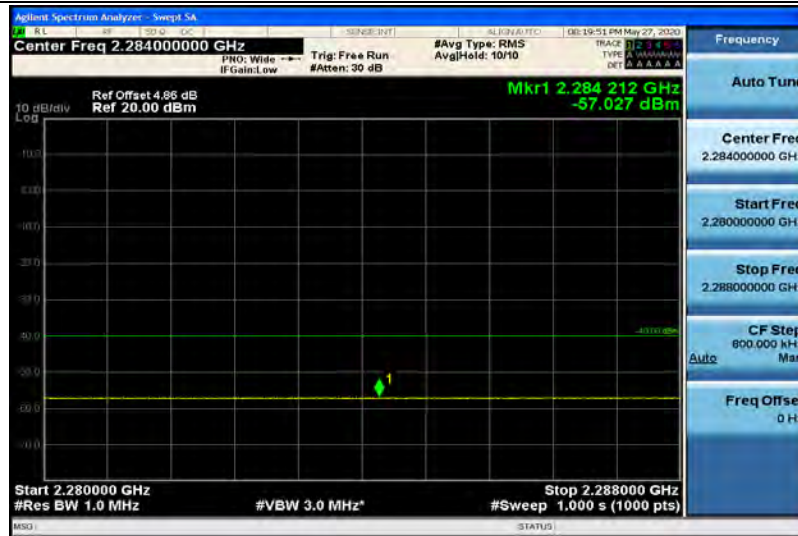
Band40-5MHz-16QAM-39225-25RB#0-Range14:2365~2400MHz



Band40-10MHz-QPSK-39200-1RB#0-Range1:2280~2288MHz



Band40-10MHz-QPSK-39200-1RB#49-Range1:2280~2288MHz



Band40-10MHz-QPSK-39200-1RB#49-Range2:2288~2292MHz



Band40-10MHz-QPSK-39200-1RB#0-Range2:2288~2292MHz



Band40-10MHz-QPSK-39200-1RB#0-Range3:2292~2296MHz



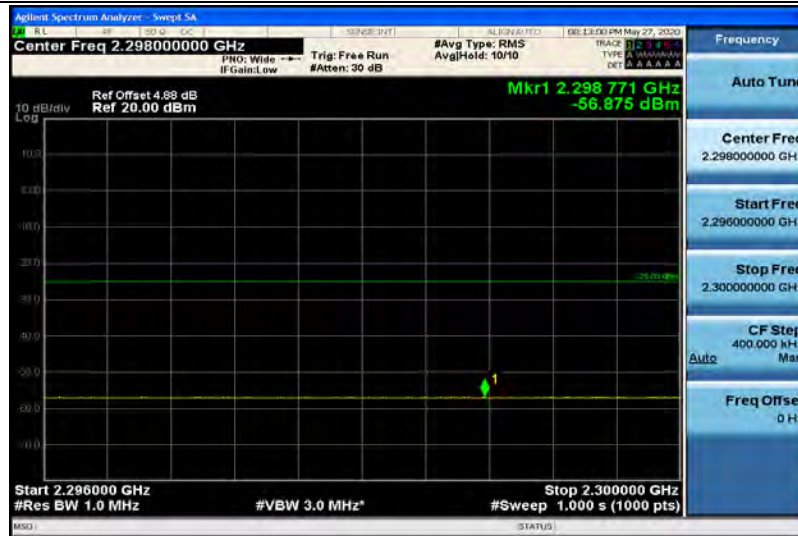
Band40-10MHz-QPSK-39200-1RB#49-Range3:2292~2296MHz



Band40-10MHz-QPSK-39200-1RB#49-Range4:2296~2300MHz



Band40-10MHz-QPSK-39200-1RB#0-Range4:2296~2300MHz



Band40-10MHz-QPSK-39200-1RB#49-Range5:2300~2320MHz



Band40-10MHz-QPSK-39200-1RB#0-Range5:2300~2320MHz



Band40-10MHz-QPSK-39200-1RB#49-Range6:2320~2324MHz



Band40-10MHz-QPSK-39200-1RB#0-Range6:2320~2324MHz



Band40-10MHz-QPSK-39200-1RB#0-Range7:2324~2328MHz



Band40-10MHz-QPSK-39200-1RB#49-Range7:2324~2328MHz



Band40-10MHz-QPSK-39200-1RB#0-Range8:2328~2337MHz



Band40-10MHz-QPSK-39200-1RB#49-Range8:2328~2337MHz



Band40-10MHz-QPSK-39200-1RB#49-Range9:2337~2341MHz



Band40-10MHz-QPSK-39200-1RB#0-Range9:2337~2341MHz



Band40-10MHz-QPSK-39200-1RB#49-Range10:2341~2345MHz



Band40-10MHz-QPSK-39200-1RB#0-Range10:2341~2345MHz



Band40-10MHz-QPSK-39200-1RB#0-Range11:2345~2349MHz



Band40-10MHz-QPSK-39200-1RB#49-Range11:2345~2349MHz



Band40-10MHz-QPSK-39200-1RB#0-Range12:2349~2350MHz



Band40-10MHz-QPSK-39200-1RB#49-Range12:2349~2350MHz



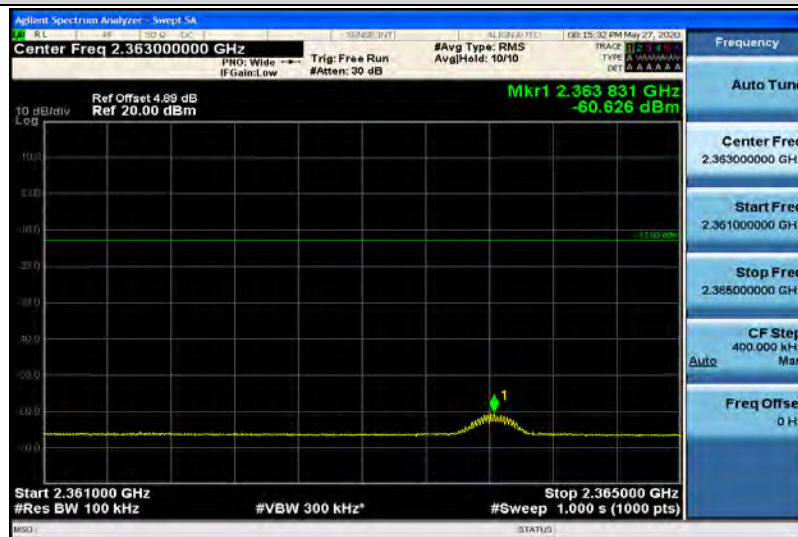
Band40-10MHz-QPSK-39200-1RB#0-Range13:2360~2361MHz



Band40-10MHz-QPSK-39200-1RB#49-Range13:2360~2361MHz



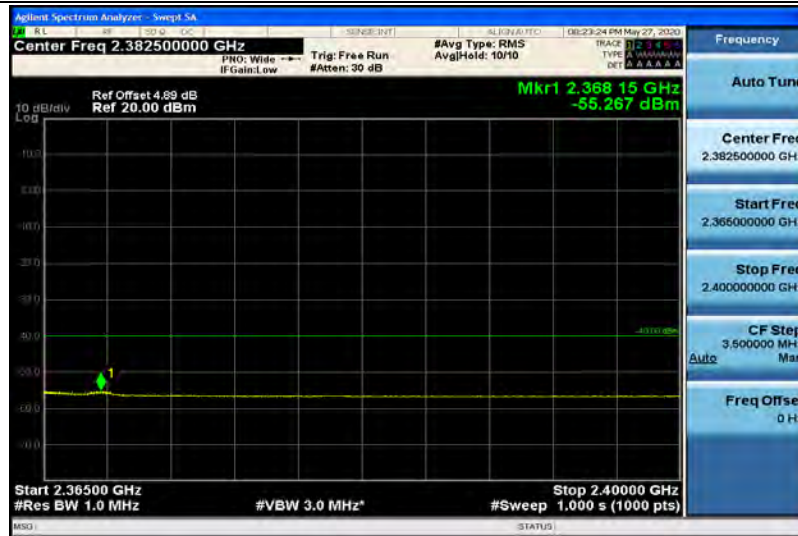
Band40-10MHz-QPSK-39200-1RB#0-Range14:2361~2365MHz



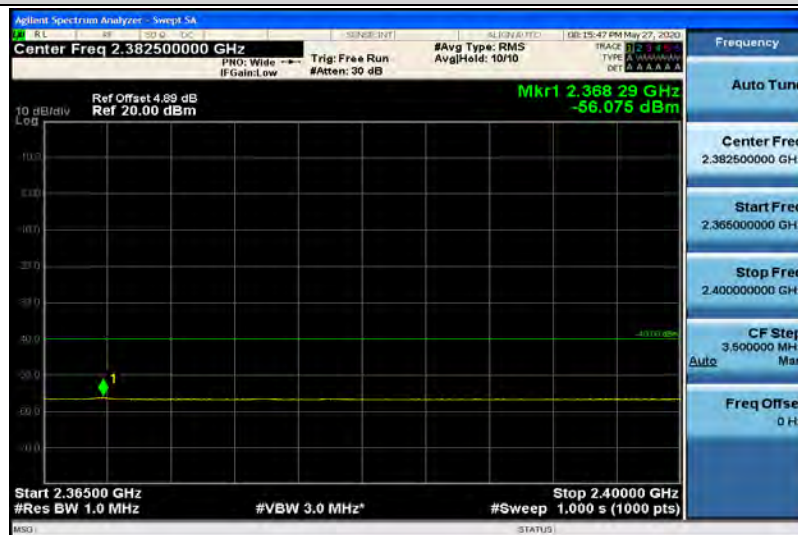
Band40-10MHz-QPSK-39200-1RB#49-Range14:2361~2365MHz



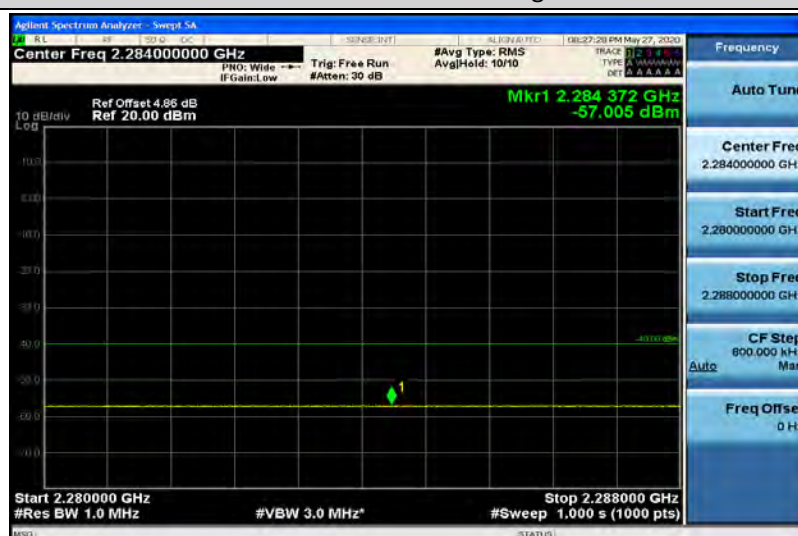
Band40-10MHz-QPSK-39200-1RB#49-Range15:2365~2400MHz



Band40-10MHz-QPSK-39200-1RB#0-Range15:2365~2400MHz



Band40-10MHz-QPSK-39200-50RB#0-Range1:2280~2288MHz



Band40-10MHz-QPSK-39200-50RB#0-Range2:2288~2292MHz



Band40-10MHz-QPSK-39200-50RB#0-Range3:2292~2296MHz



Band40-10MHz-QPSK-39200-50RB#0-Range4:2296~2300MHz



Band40-10MHz-QPSK-39200-50RB#0-Range5:2300~2320MHz



Band40-10MHz-QPSK-39200-50RB#0-Range6:2320~2324MHz



Band40-10MHz-QPSK-39200-50RB#0-Range7:2324~2328MHz



Band40-10MHz-QPSK-39200-50RB#0-Range8:2328~2337MHz



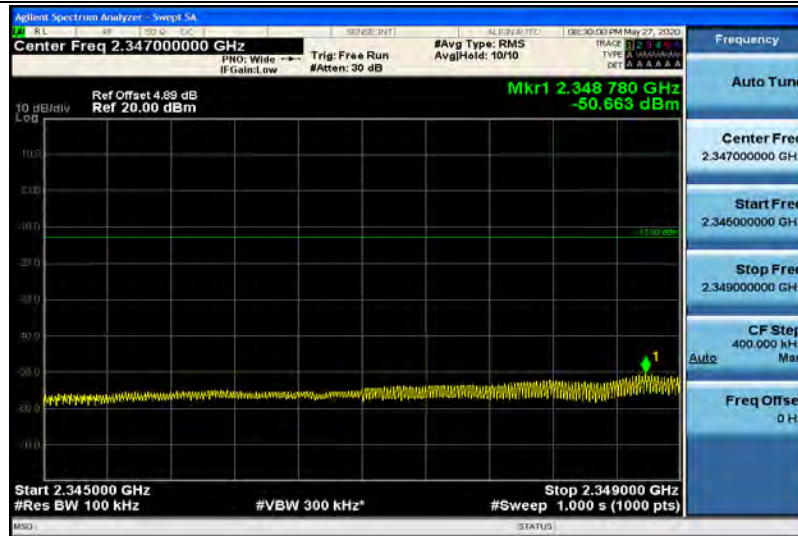
Band40-10MHz-QPSK-39200-50RB#0-Range9:2337~2341MHz



Band40-10MHz-QPSK-39200-50RB#0-Range10:2341~2345MHz



Band40-10MHz-QPSK-39200-50RB#0-Range11:2345~2349MHz



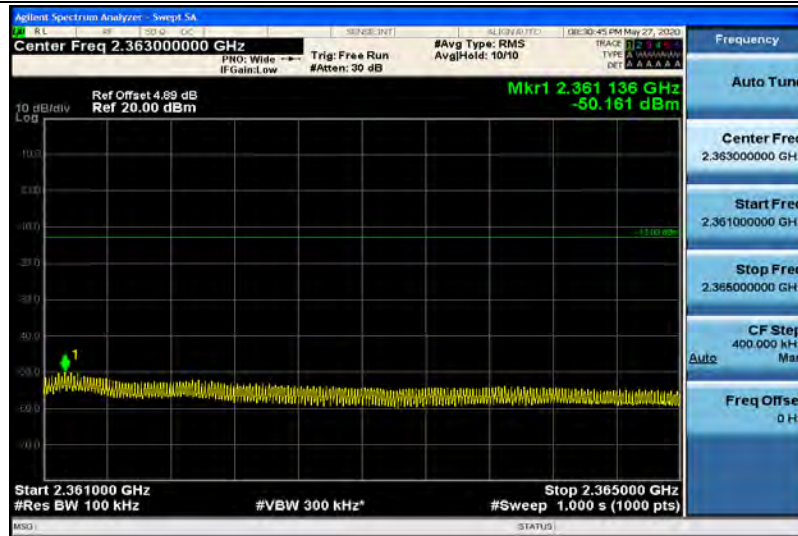
Band40-10MHz-QPSK-39200-50RB#0-Range12:2349~2350MHz



Band40-10MHz-QPSK-39200-50RB#0-Range13:2360~2361MHz



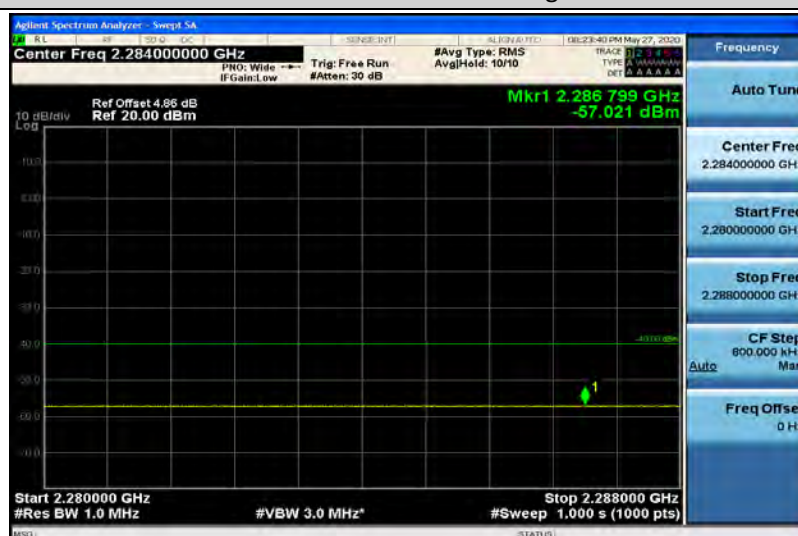
Band40-10MHz-QPSK-39200-50RB#0-Range14:2361~2365MHz



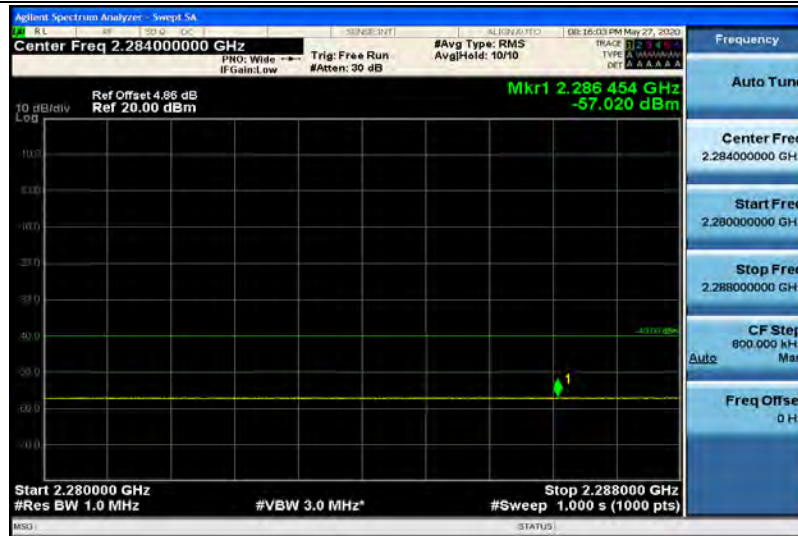
Band40-10MHz-QPSK-39200-50RB#0-Range15:2365~2400MHz



Band40-10MHz-16QAM-39200-1RB#49-Range1:2280~2288MHz



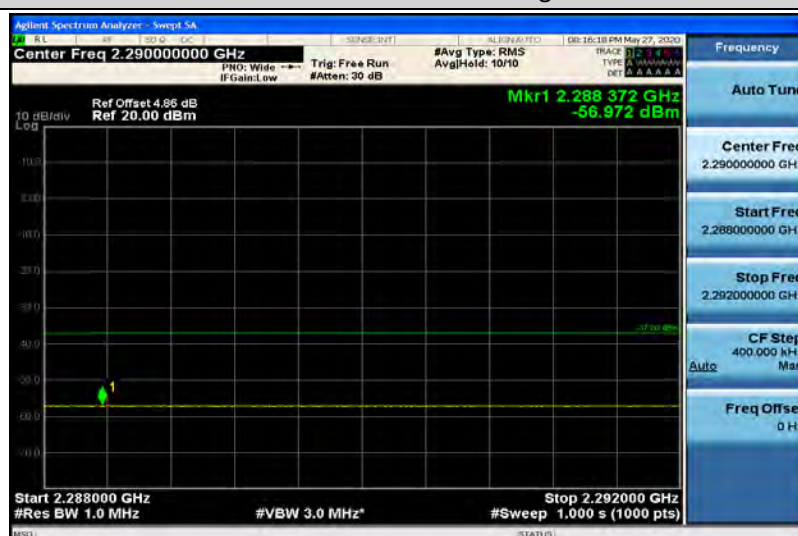
Band40-10MHz-16QAM-39200-1RB#0-Range1:2280~2288MHz



Band40-10MHz-16QAM-39200-1RB#49-Range2:2288~2292MHz



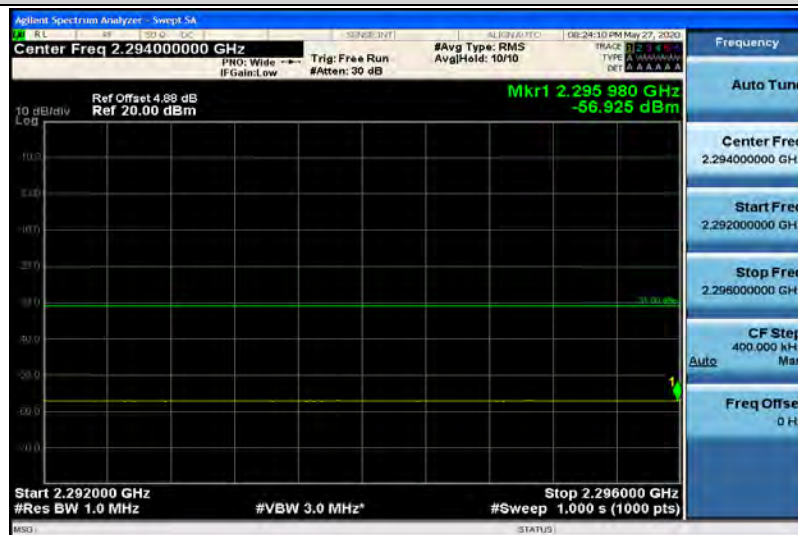
Band40-10MHz-16QAM-39200-1RB#0-Range2:2288~2292MHz



Band40-10MHz-16QAM-39200-1RB#0-Range3:2292~2296MHz



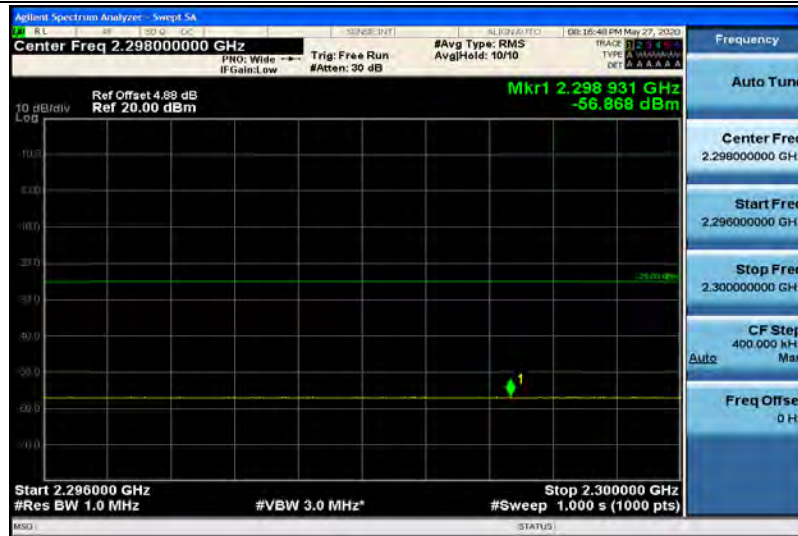
Band40-10MHz-16QAM-39200-1RB#49-Range3:2292~2296MHz



Band40-10MHz-16QAM-39200-1RB#49-Range4:2296~2300MHz



Band40-10MHz-16QAM-39200-1RB#0-Range4:2296~2300MHz



Band40-10MHz-16QAM-39200-1RB#0-Range5:2300~2320MHz



Band40-10MHz-16QAM-39200-1RB#49-Range5:2300~2320MHz



Band40-10MHz-16QAM-39200-1RB#0-Range6:2320~2324MHz



Band40-10MHz-16QAM-39200-1RB#49-Range6:2320~2324MHz



Band40-10MHz-16QAM-39200-1RB#0-Range7:2324~2328MHz



Band40-10MHz-16QAM-39200-1RB#49-Range7:2324~2328MHz



Band40-10MHz-16QAM-39200-1RB#0-Range8:2328~2337MHz



Band40-10MHz-16QAM-39200-1RB#49-Range8:2328~2337MHz



Band40-10MHz-16QAM-39200-1RB#49-Range9:2337~2341MHz



Band40-10MHz-16QAM-39200-1RB#0-Range9:2337~2341MHz



Band40-10MHz-16QAM-39200-1RB#0-Range10:2341~2345MHz



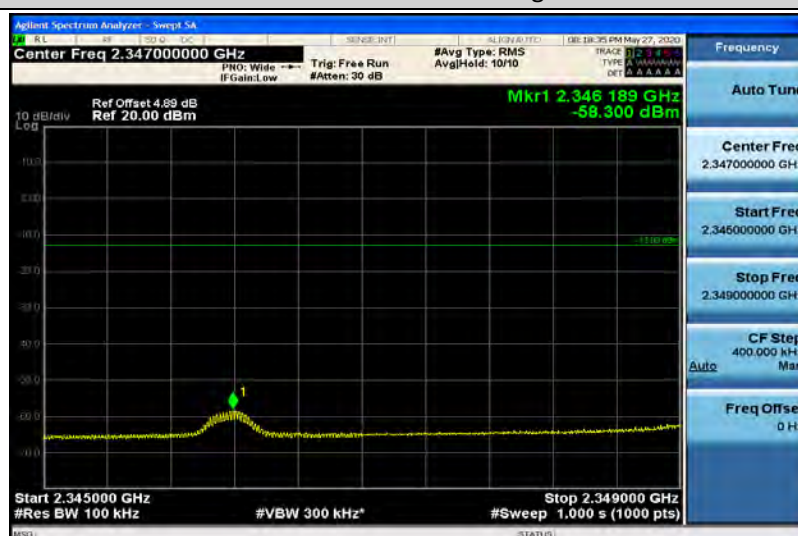
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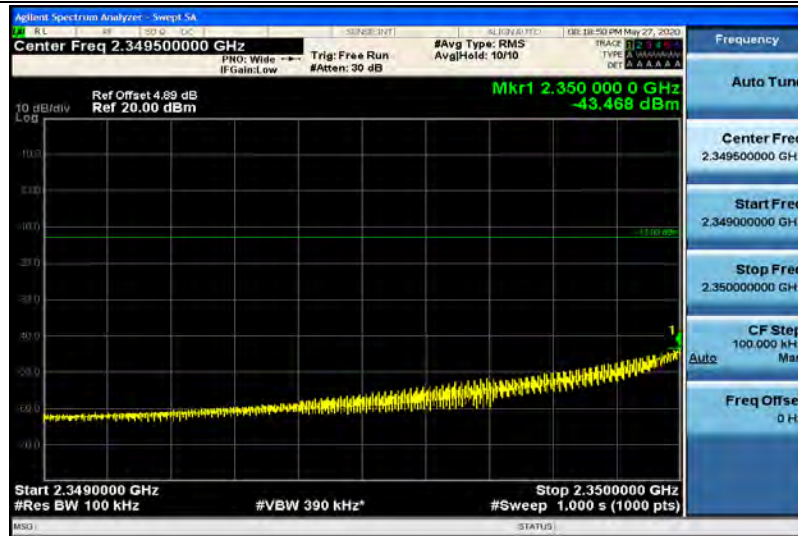
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Band40-10MHz-16QAM-39200-1RB#0-Range11:2345~2349MHz



Band40-10MHz-16QAM-39200-1RB#0-Range12:2349~2350MHz



Band40-10MHz-16QAM-39200-1RB#49-Range12:2349~2350MHz



Band40-10MHz-16QAM-39200-1RB#0-Range13:2360~2361MHz



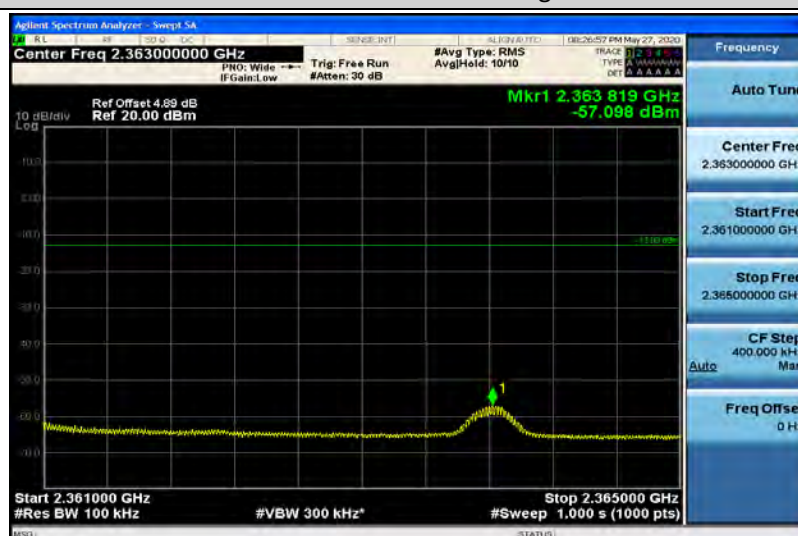
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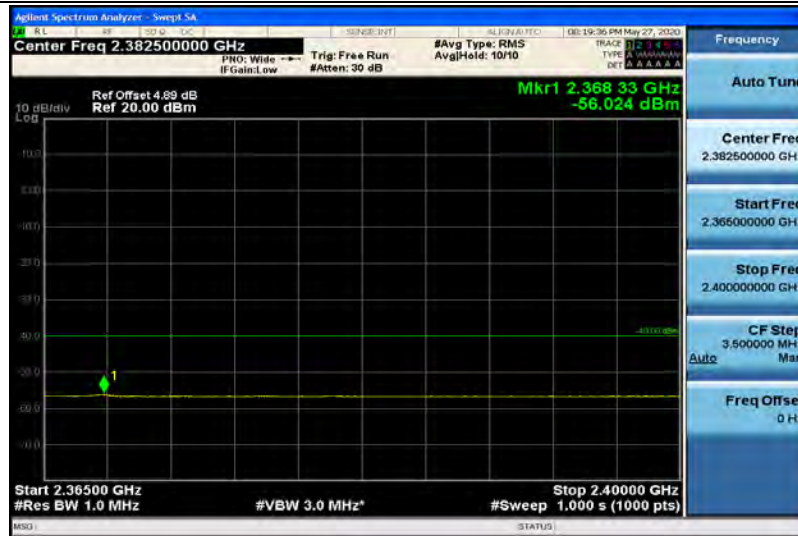
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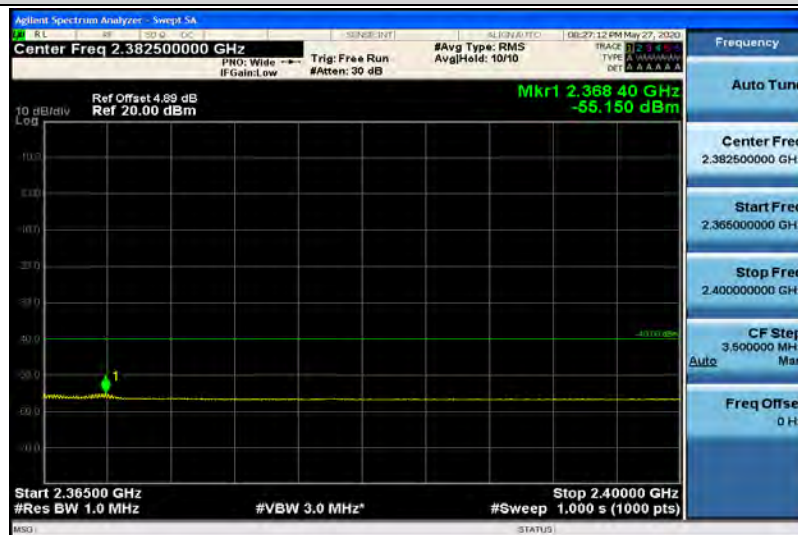
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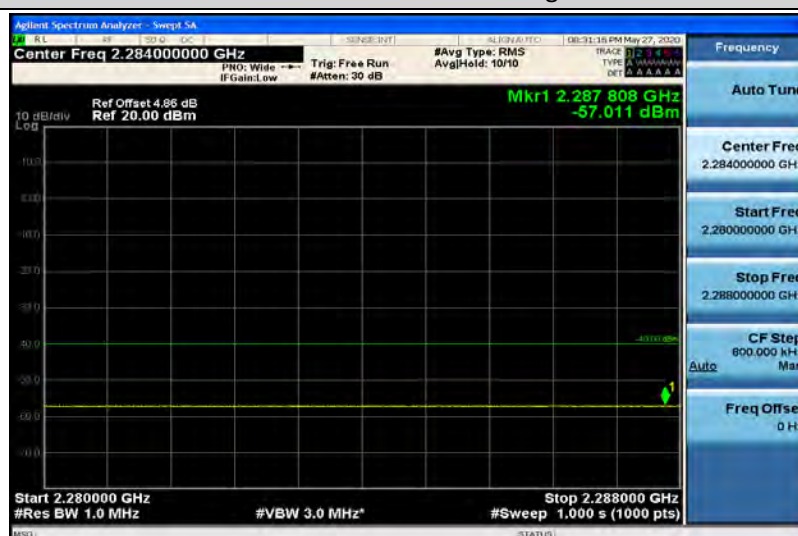
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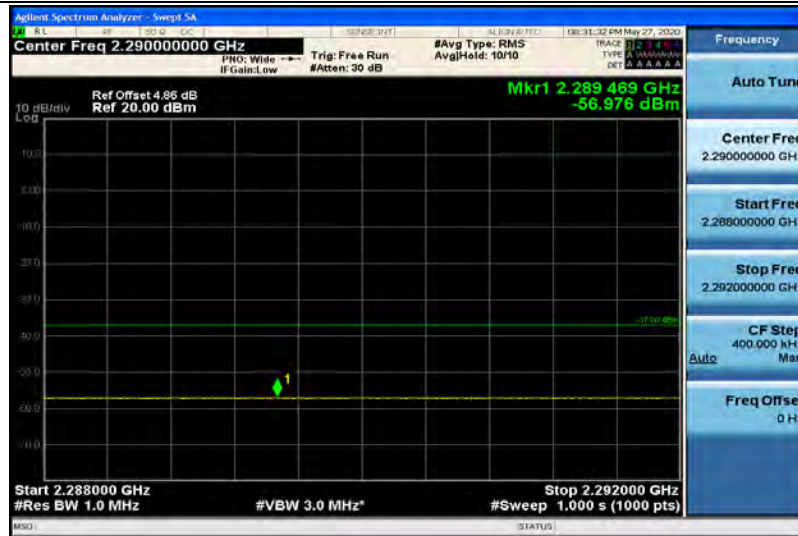
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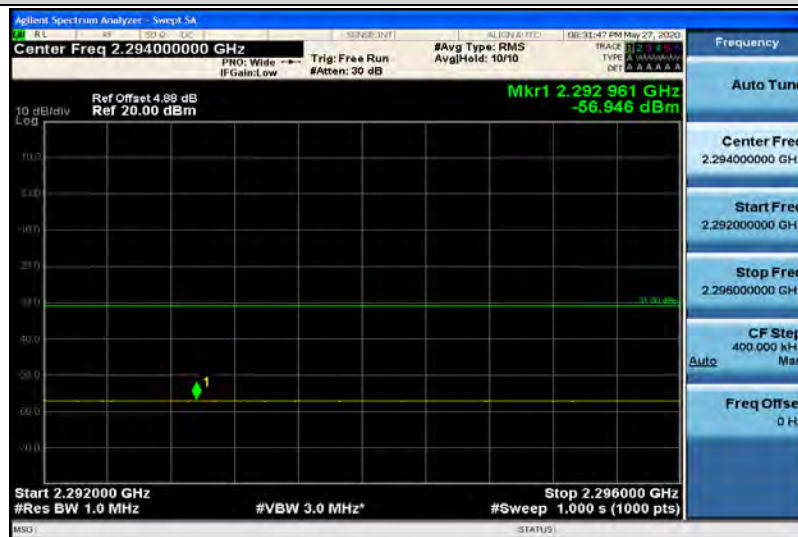
Band40-10MHz-16QAM-39200-50RB#0-Range1:2280~2288MHz



Band40-10MHz-16QAM-39200-50RB#0-Range2:2288~2292MHz



Band40-10MHz-16QAM-39200-50RB#0-Range3:2292~2296MHz



Band40-10MHz-16QAM-39200-50RB#0-Range4:2296~2300MHz



Band40-10MHz-16QAM-39200-50RB#0-Range5:2300~2320MHz



Band40-10MHz-16QAM-39200-50RB#0-Range6:2320~2324MHz



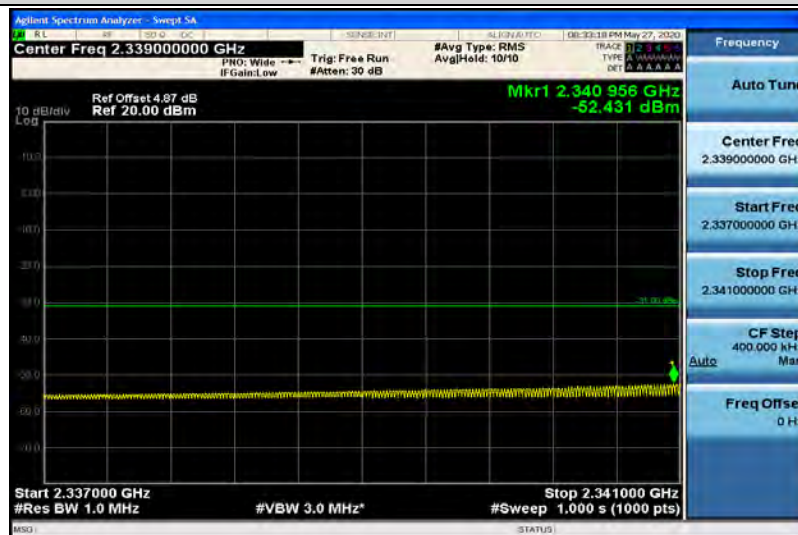
Band40-10MHz-16QAM-39200-50RB#0-Range7:2324~2328MHz



Band40-10MHz-16QAM-39200-50RB#0-Range8:2328~2337MHz



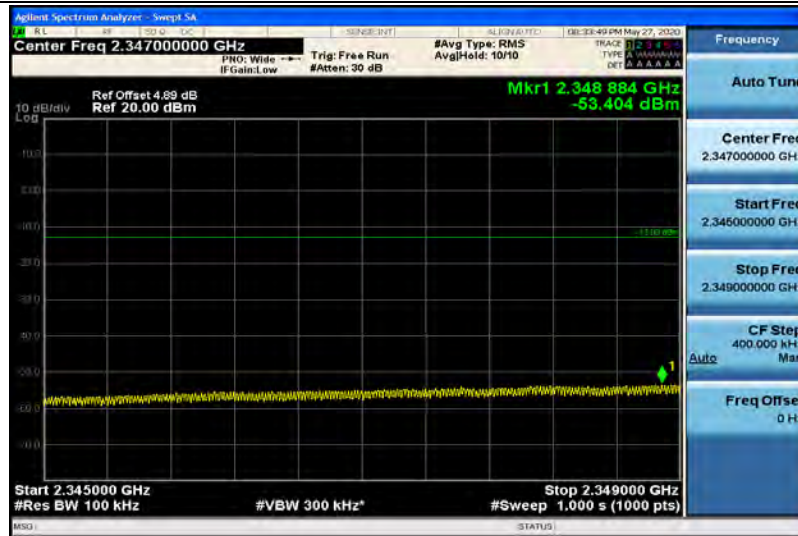
Band40-10MHz-16QAM-39200-50RB#0-Range9:2337~2341MHz



Band40-10MHz-16QAM-39200-50RB#0-Range10:2341~2345MHz



Band40-10MHz-16QAM-39200-50RB#0-Range11:2345~2349MHz



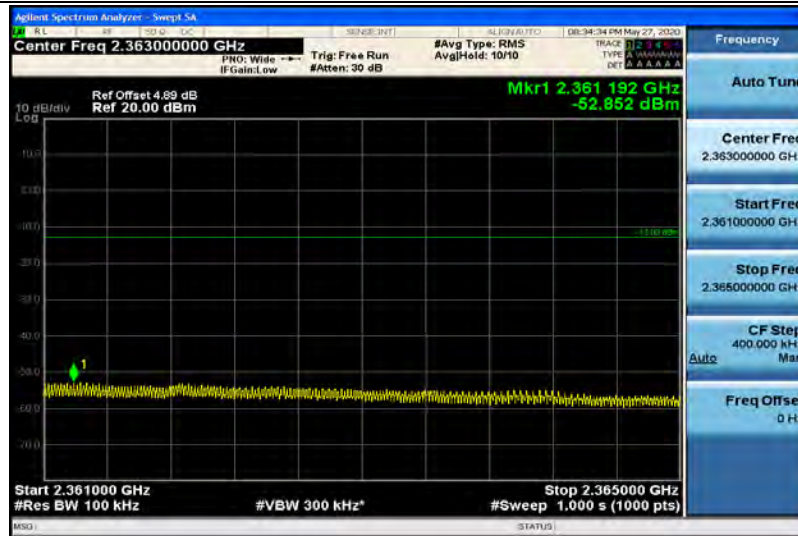
Band40-10MHz-16QAM-39200-50RB#0-Range12:2349~2350MHz



Band40-10MHz-16QAM-39200-50RB#0-Range13:2360~2361MHz



Band40-10MHz-16QAM-39200-50RB#0-Range14:2361~2365MHz



Band40-10MHz-16QAM-39200-50RB#0-Range15:2365~2400MHz



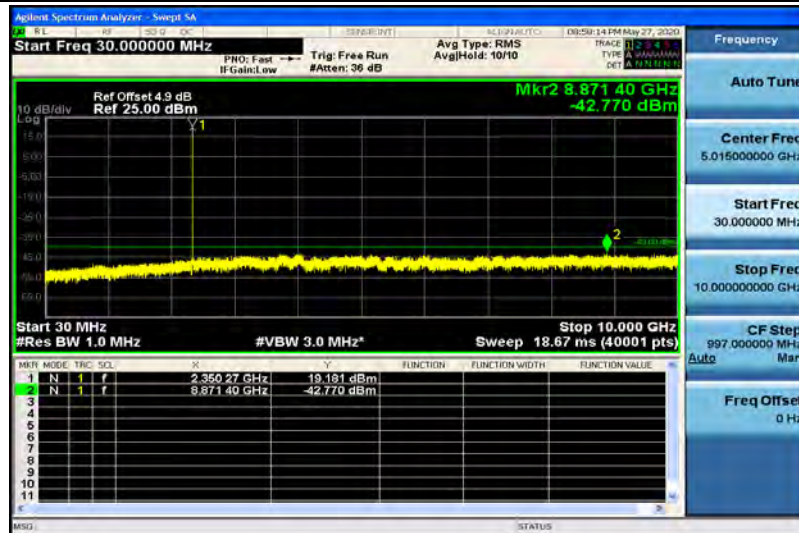


Appendix E: Conducted Spurious Emission

Test Graphs

Channel Bandwidth : 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0-1

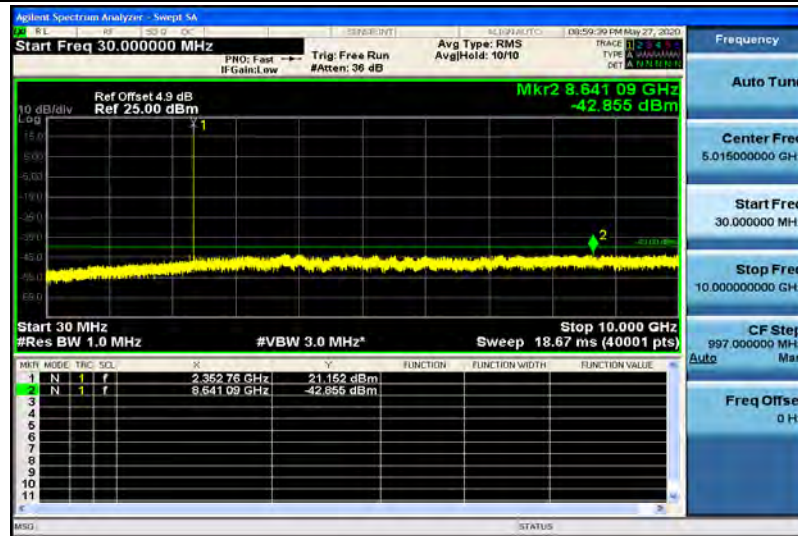


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0-2





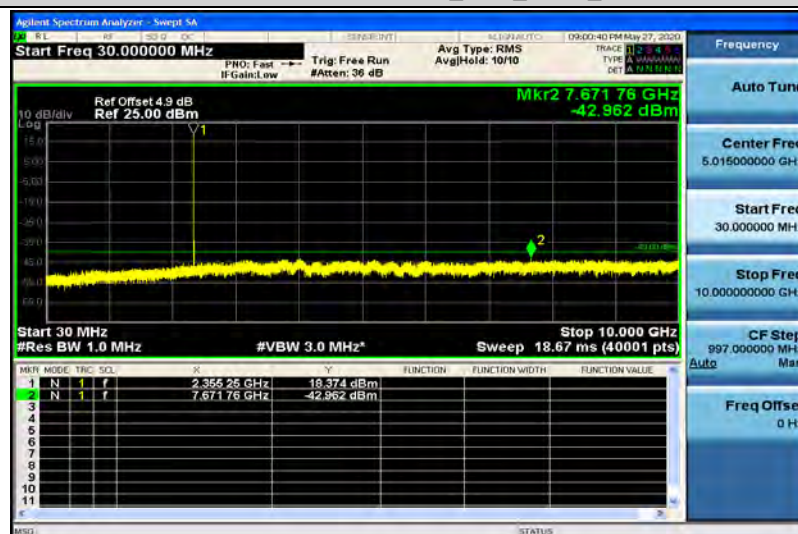
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0-1



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0-2



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0-1





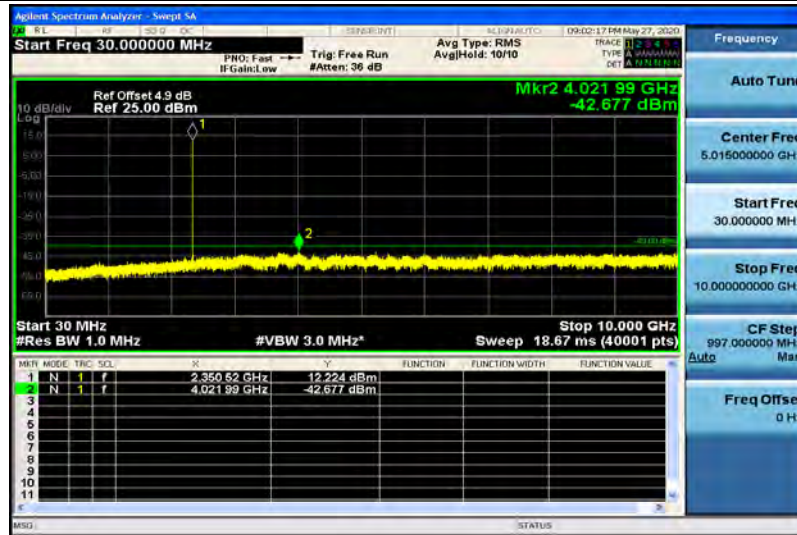
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0-2





Channel Bandwidth : 10 MHz

(Channel Bandwidth: 10 MHz)_MCH_QPSK_1RB#0-1



(Channel Bandwidth: 10 MHz)_MCH_QPSK_1RB#0-2



Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.50	-0.000650	± 2.5	PASS
		VN	TN	-3.50	-0.001517	± 2.5	PASS
		VH	TN	-5.80	-0.002514	± 2.5	PASS
	MCH	VL	TN	-4.80	-0.002080	± 2.5	PASS
		VN	TN	-8.70	-0.003770	± 2.5	PASS
		VH	TN	-6.20	-0.002687	± 2.5	PASS
	HCH	VL	TN	-5.00	-0.002167	± 2.5	PASS
		VN	TN	-1.70	-0.000737	± 2.5	PASS
		VH	TN	-3.70	-0.001603	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-7.50	-0.003250	± 2.5	PASS
		VN	-20	0.80	0.000347	± 2.5	PASS
		VN	-10	-6.70	-0.002904	± 2.5	PASS
		VN	0	-2.20	-0.000952	± 2.5	PASS
		VN	10	8.00	0.003463	± 2.5	PASS
		VN	20	-2.50	-0.001082	± 2.5	PASS
		VN	30	0.30	0.000130	± 2.5	PASS
		VN	40	4.00	0.001732	± 2.5	PASS
		VN	50	6.40	0.002771	± 2.5	PASS
	MCH	VN	-30	7.10	0.003074	± 2.5	PASS
		VN	-20	1.40	0.000606	± 2.5	PASS
		VN	-10	7.40	0.003203	± 2.5	PASS
		VN	0	-1.60	-0.000693	± 2.5	PASS
		VN	10	-3.70	-0.001602	± 2.5	PASS
		VN	20	8.10	0.003506	± 2.5	PASS
		VN	30	15.10	0.006530	± 2.5	PASS
		VN	40	3.70	0.001600	± 2.5	PASS
		VN	50	6.20	0.002681	± 2.5	PASS
	HCH	VN	-30	5.50	0.002378	± 2.5	PASS
		VN	-20	7.30	0.003157	± 2.5	PASS
		VN	-10	3.20	0.001384	± 2.5	PASS
		VN	0	13.70	0.005924	± 2.5	PASS
		VN	10	10.00	0.004324	± 2.5	PASS

		VN	20	2.00	0.000865	± 2.5	PASS
		VN	30	14.40	0.006227	± 2.5	PASS
		VN	40	8.70	0.003762	± 2.5	PASS
		VN	50	2.50	0.001081	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VL	TN	-5.70	-0.002468	± 2.5	PASS
		VN	TN	1.50	0.000649	± 2.5	PASS
		VH	TN	-6.10	-0.002641	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VN	-30	7.40	0.003203	± 2.5	PASS
		VN	-20	3.20	0.001385	± 2.5	PASS
		VN	-10	-3.40	-0.001472	± 2.5	PASS
		VN	0	2.20	0.000952	± 2.5	PASS
		VN	10	-2.70	-0.001169	± 2.5	PASS
		VN	20	-6.00	-0.002597	± 2.5	PASS
		VN	30	8.10	0.003506	± 2.5	PASS
		VN	40	1.70	0.000736	± 2.5	PASS
		VN	50	-1.70	-0.000736	± 2.5	PASS