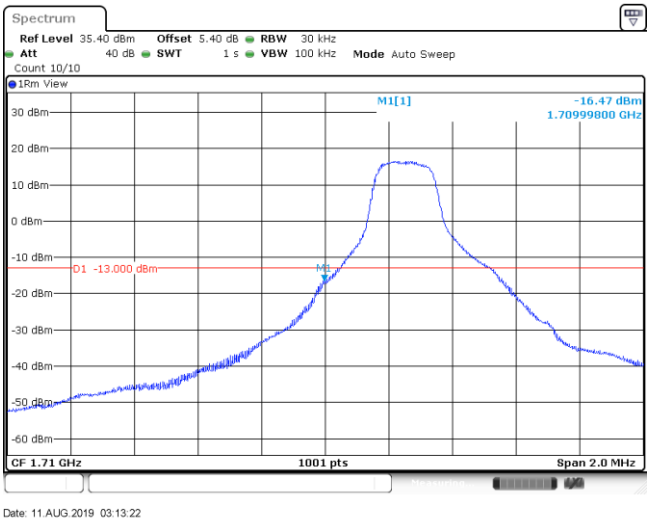
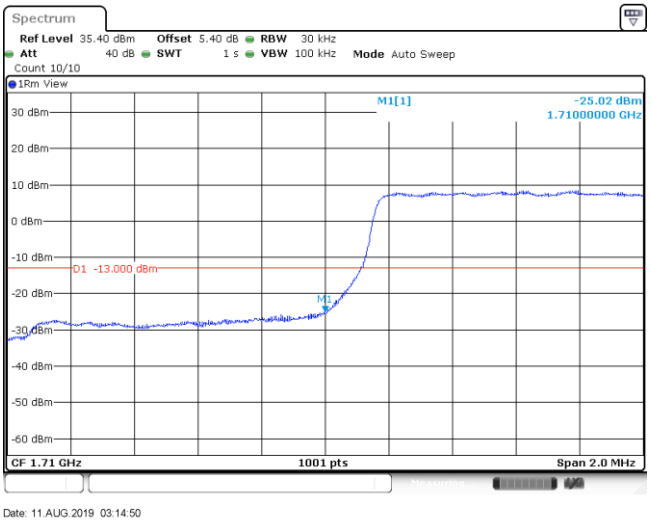
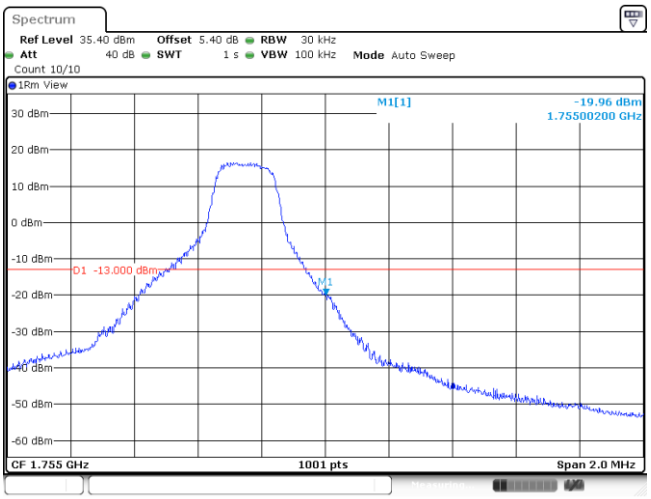
7. Band Edge Compliance

7.1. Test Plots

Band4_1.4MHz_QPSK_19957_1RB#0

Band4_1.4MHz_QPSK_19957_6RB#0


Band4_1.4MHz_QPSK_20393_1RB#5



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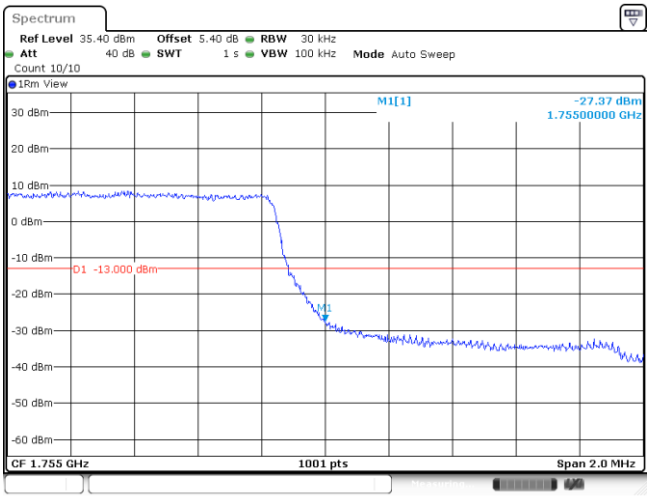

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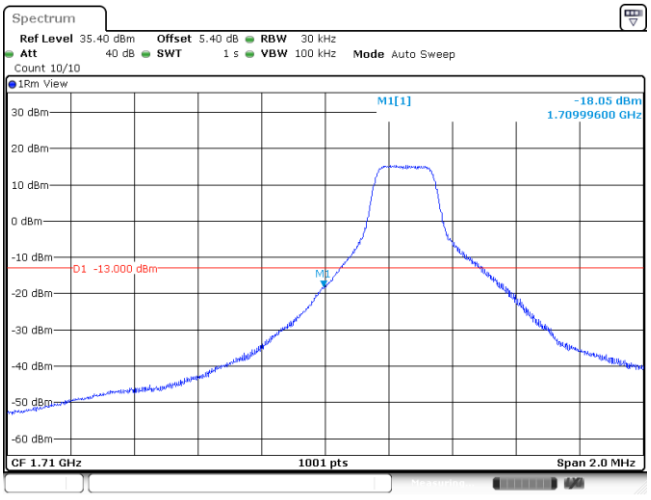

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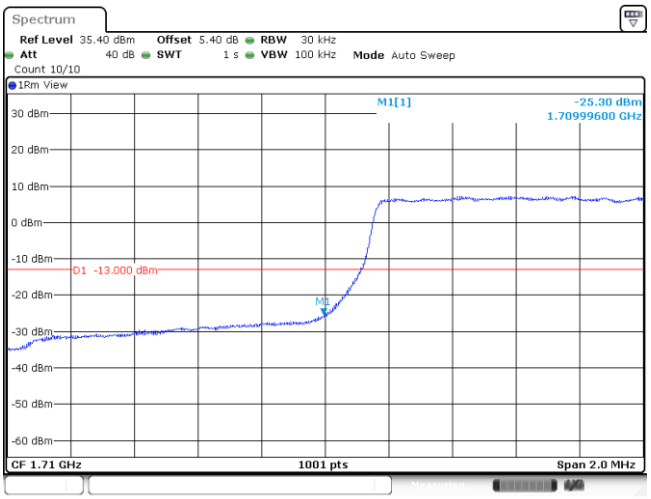

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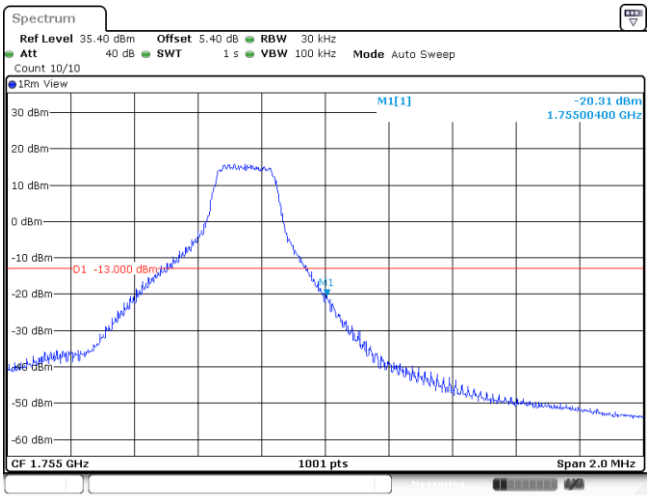

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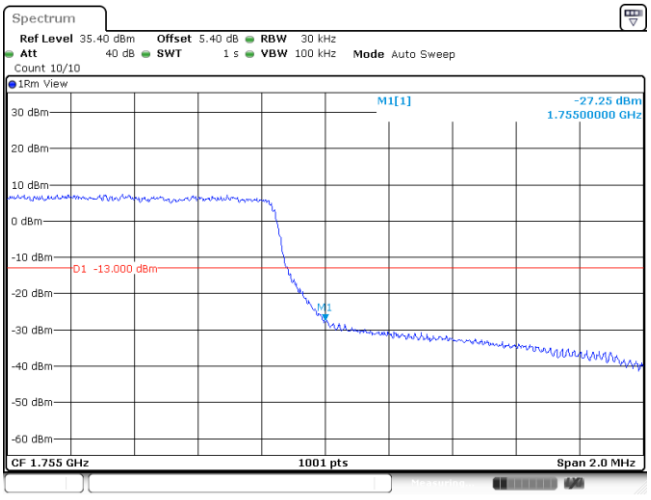

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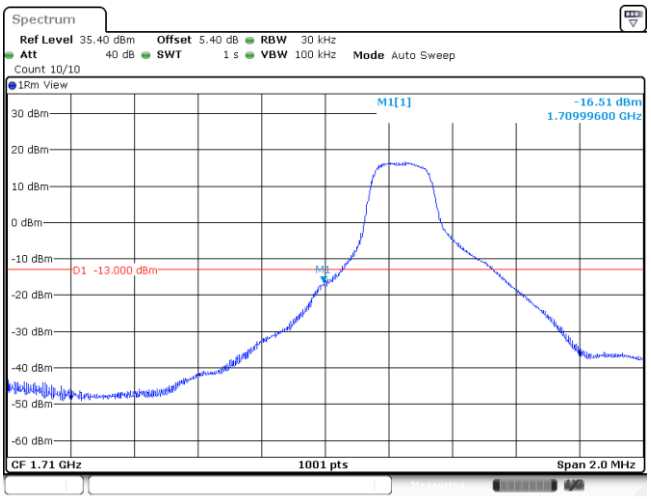

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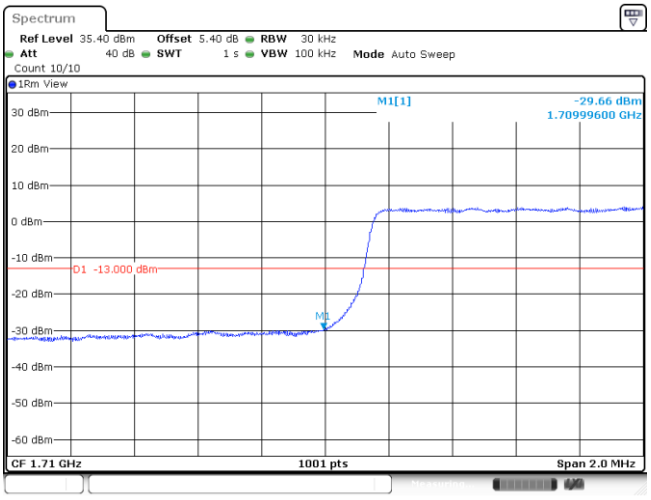

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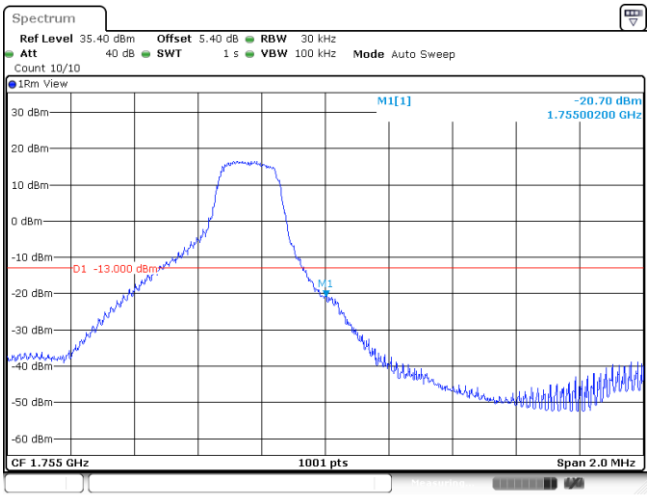

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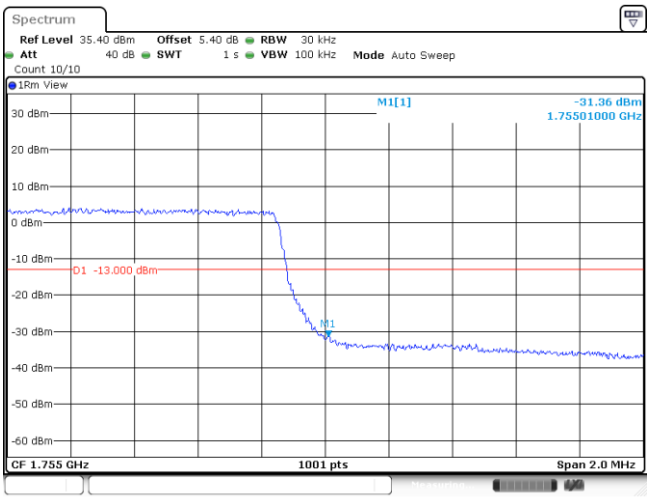

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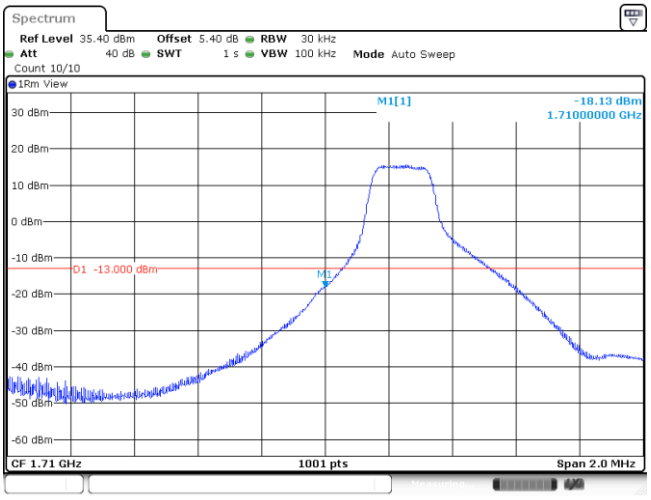

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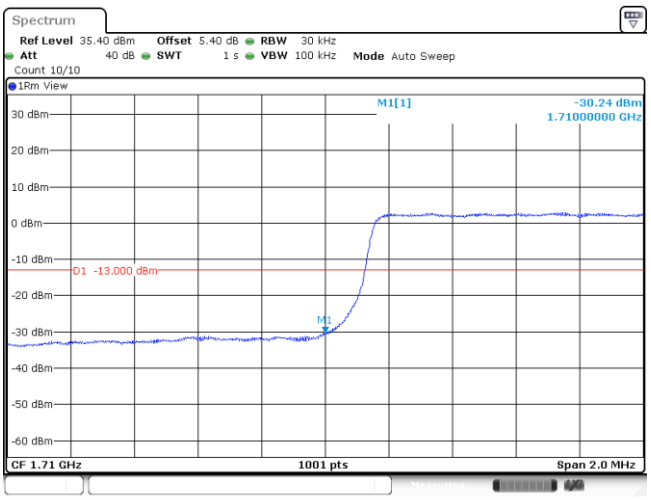

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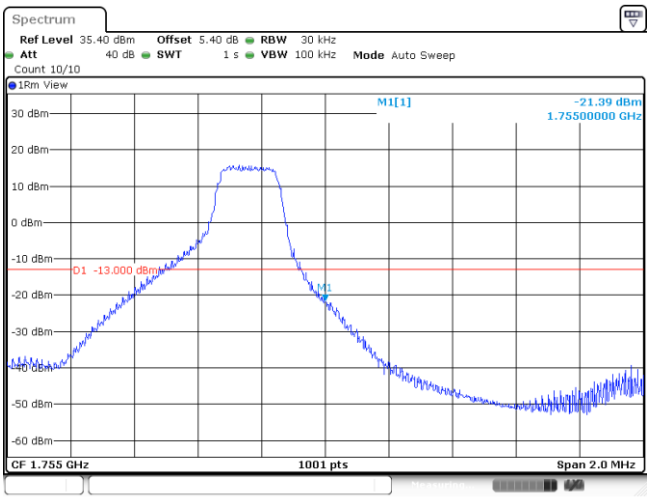

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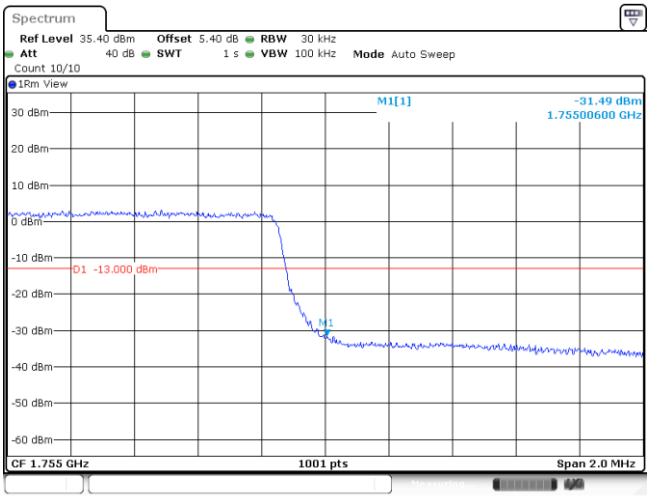

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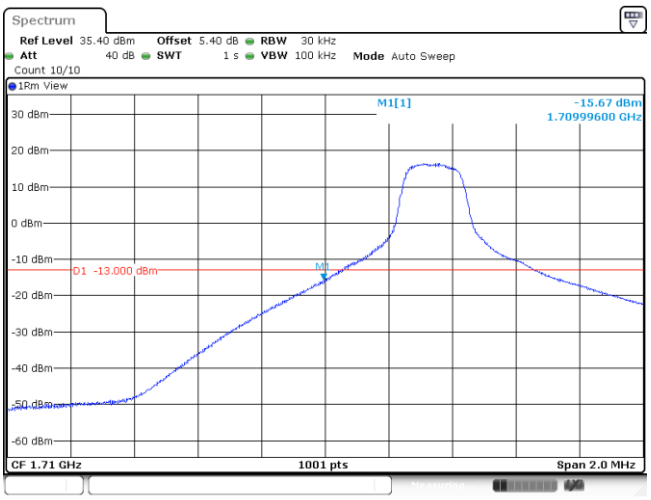

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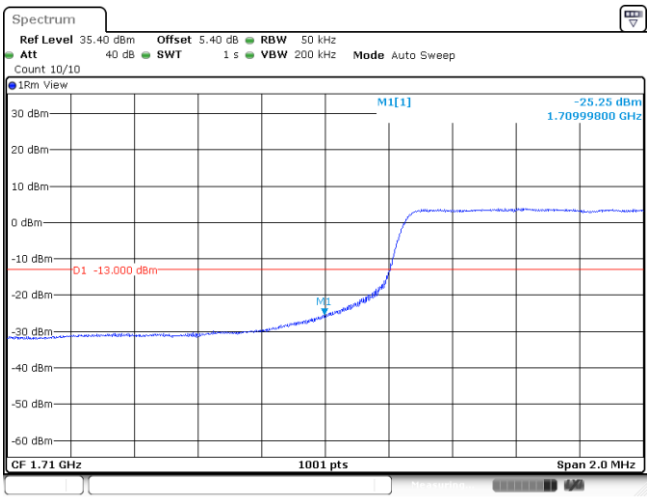

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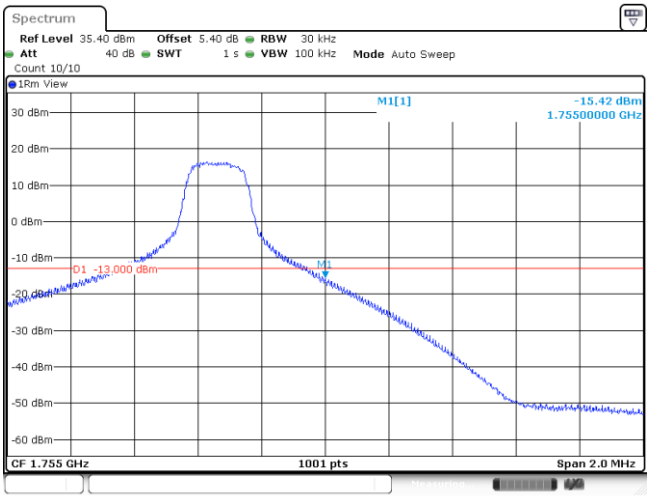

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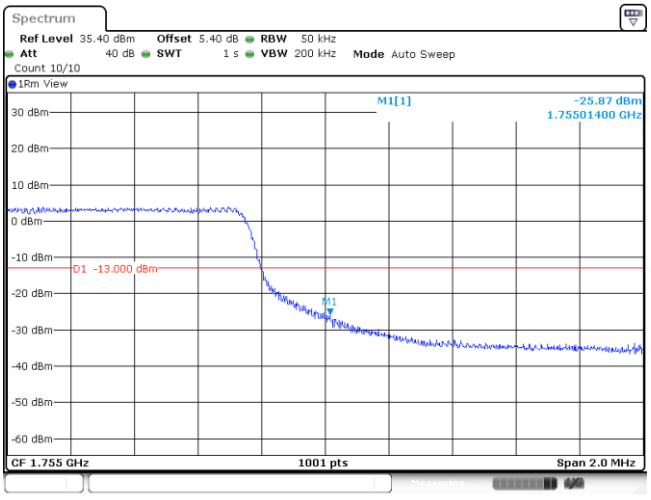

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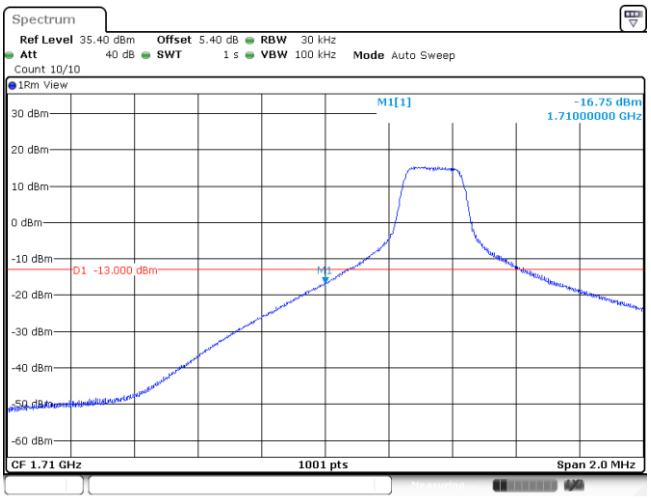
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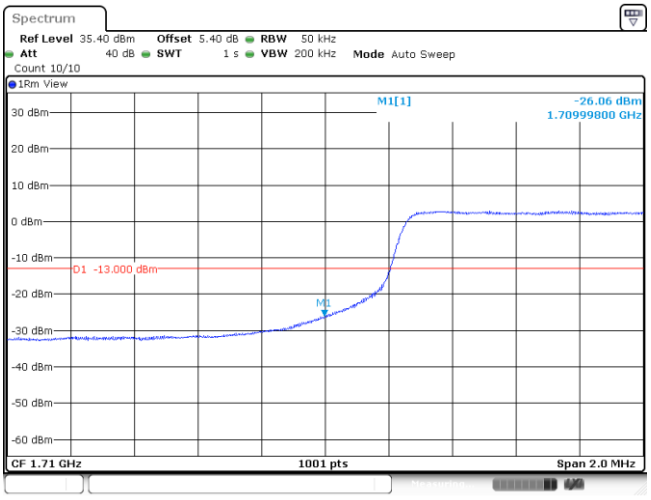
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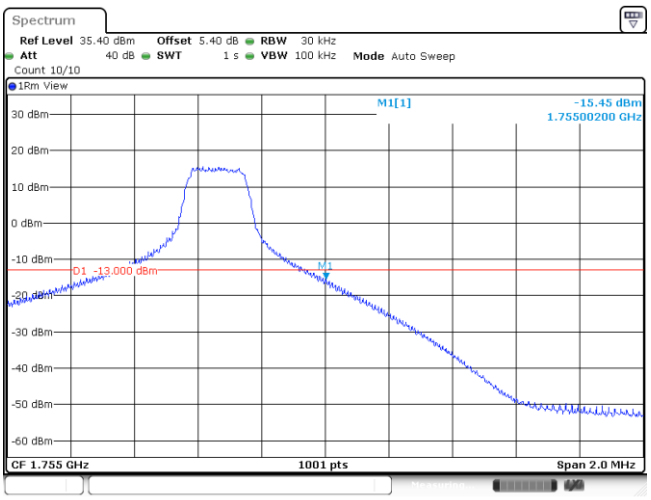

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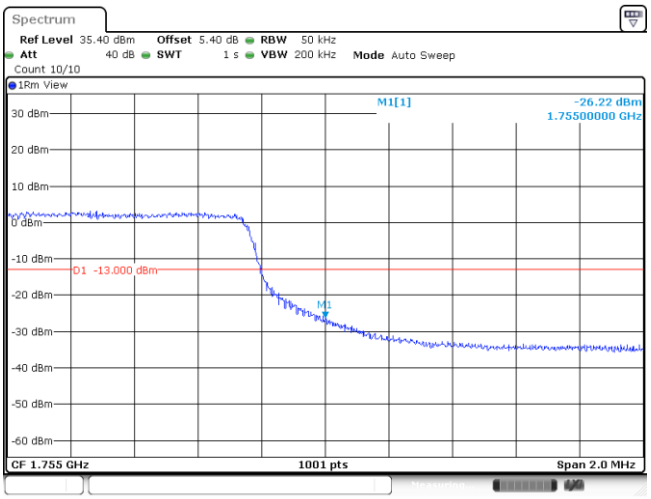
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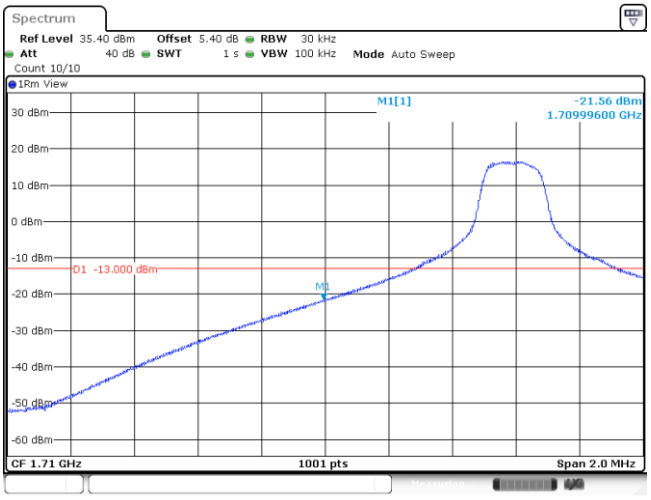
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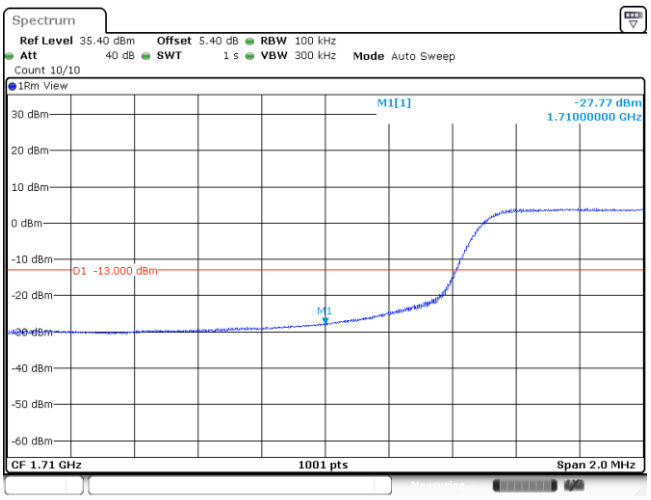
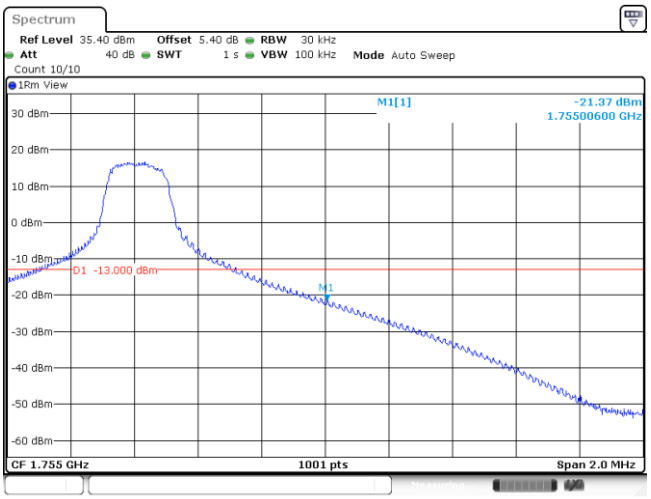


Band4_10MHz_QPSK_20350_1RB#49

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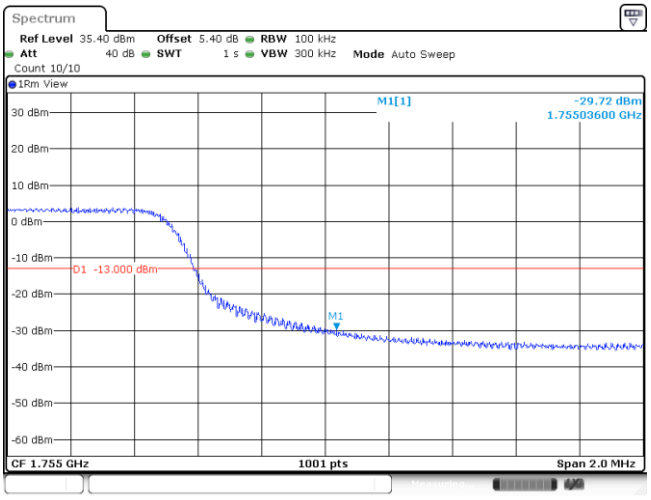
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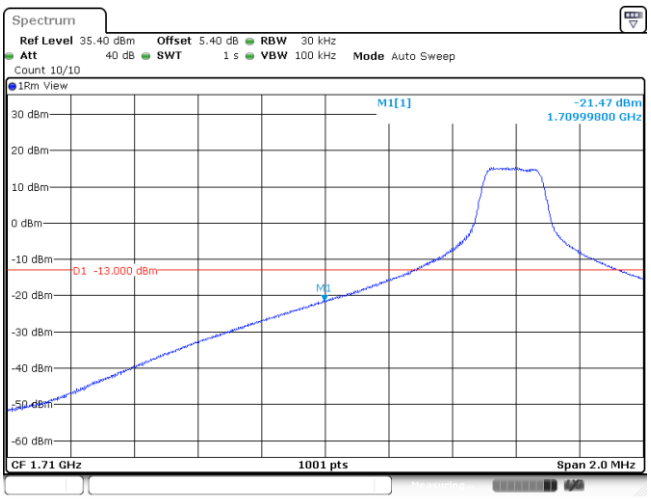

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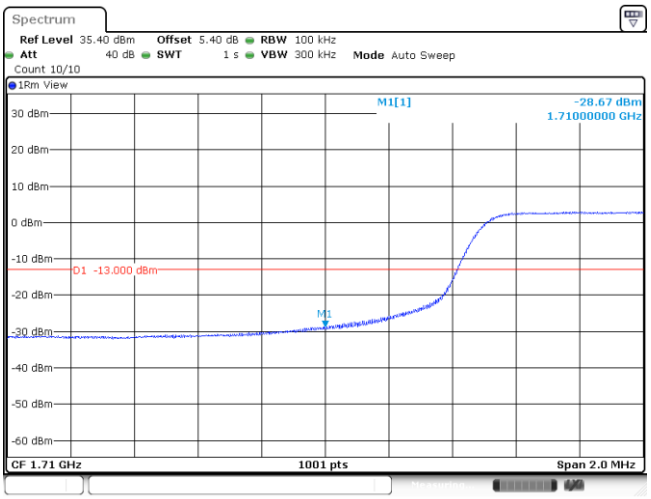
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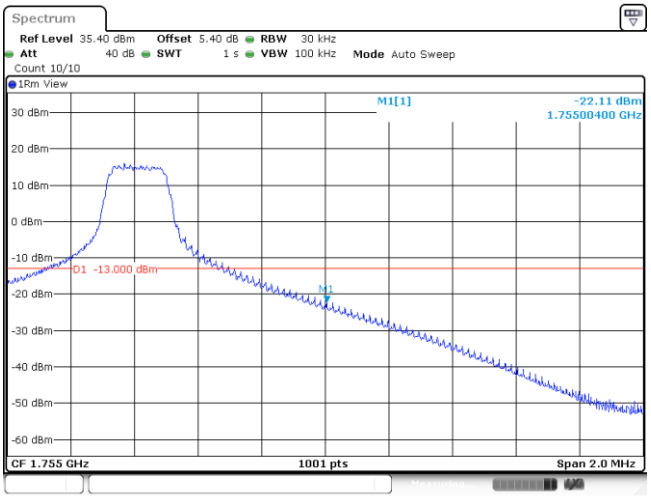
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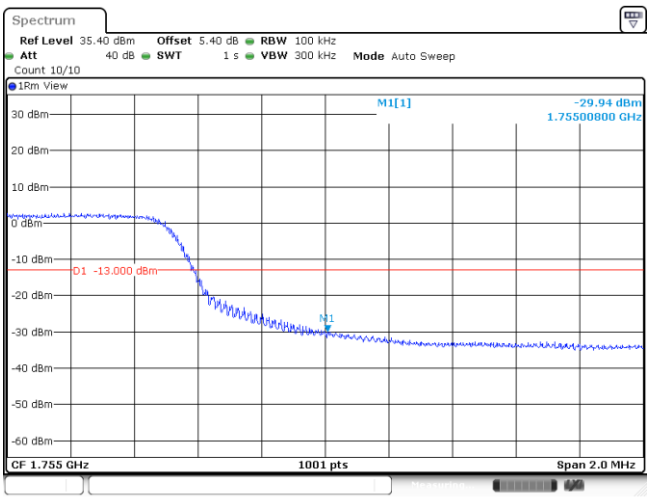

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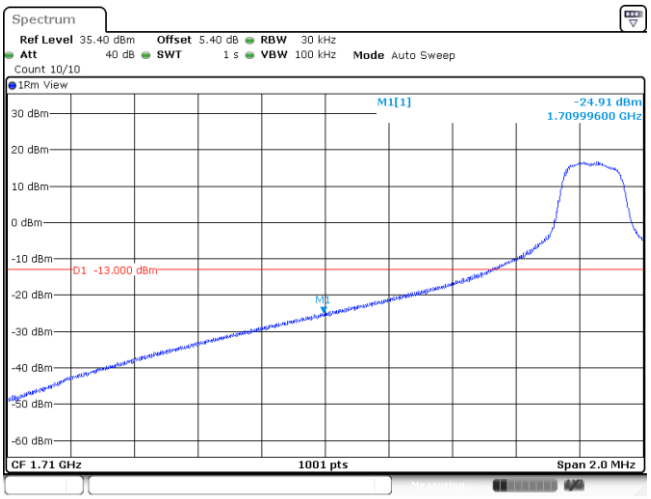
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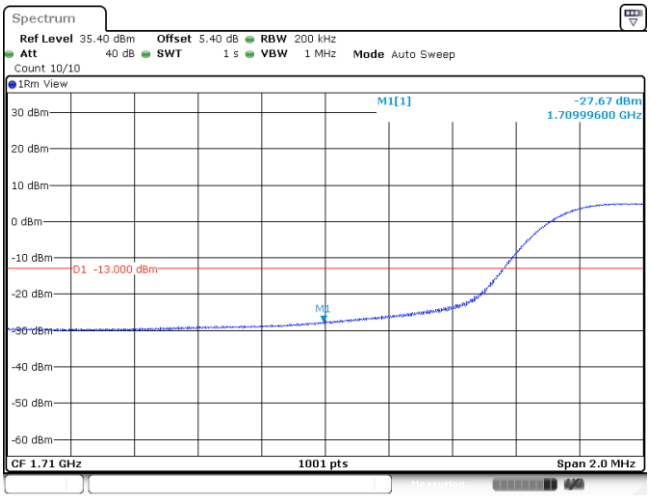
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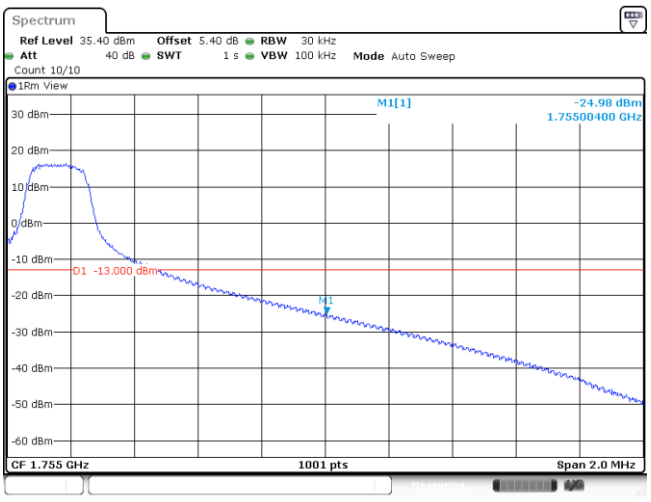

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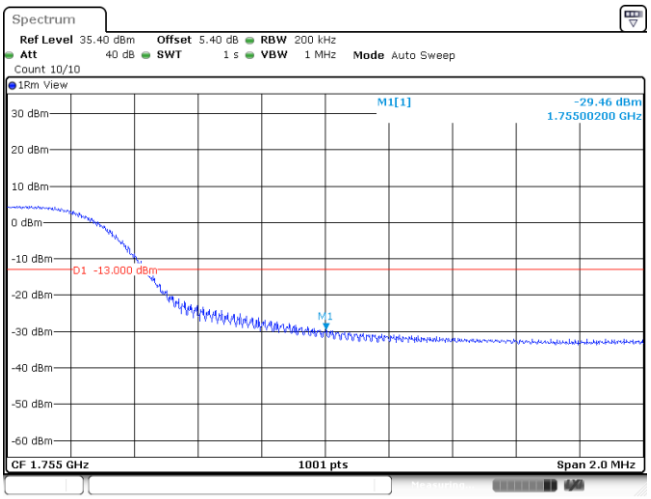
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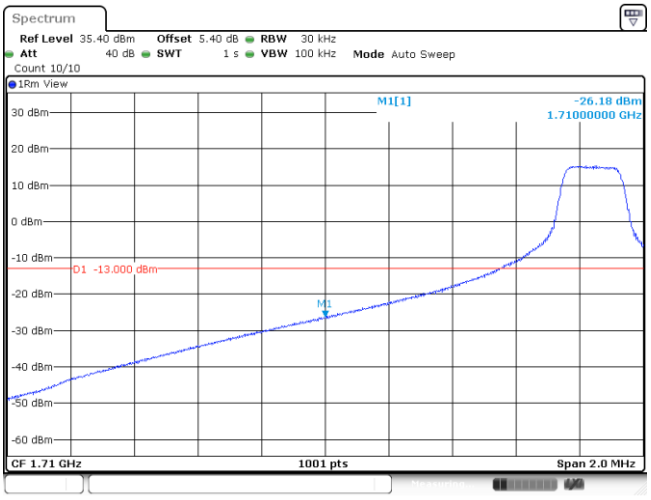
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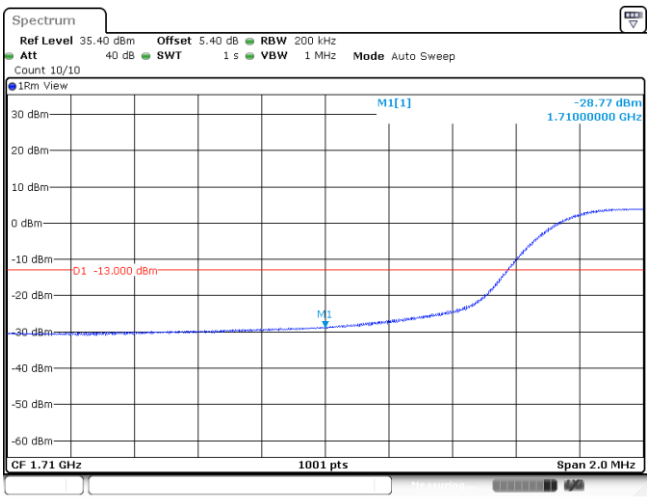

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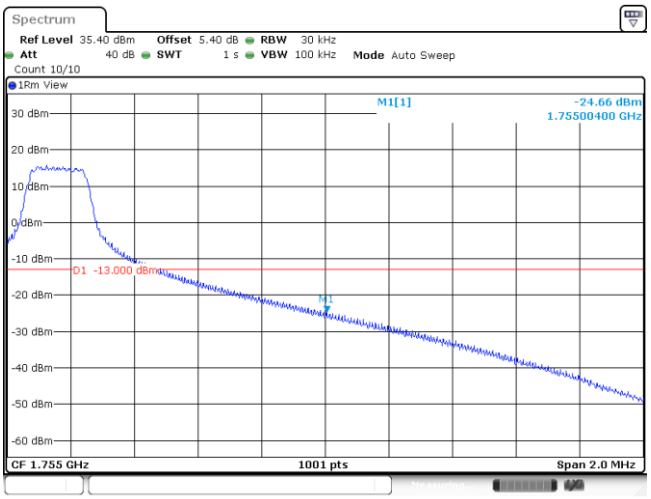
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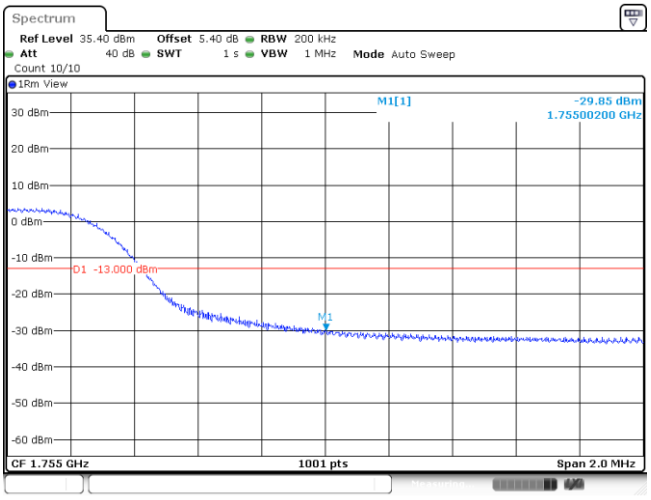
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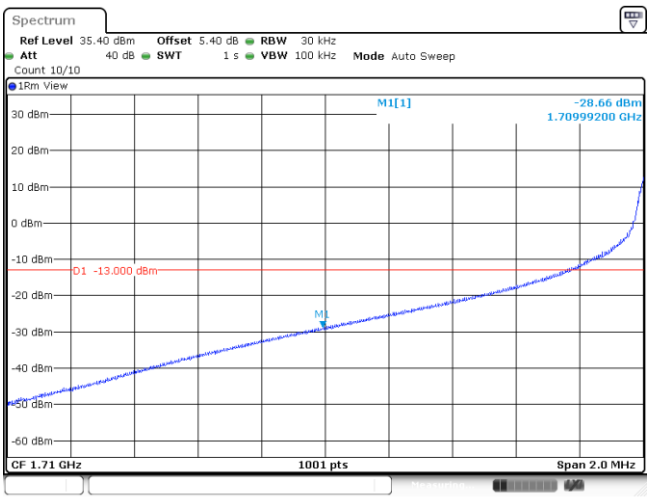

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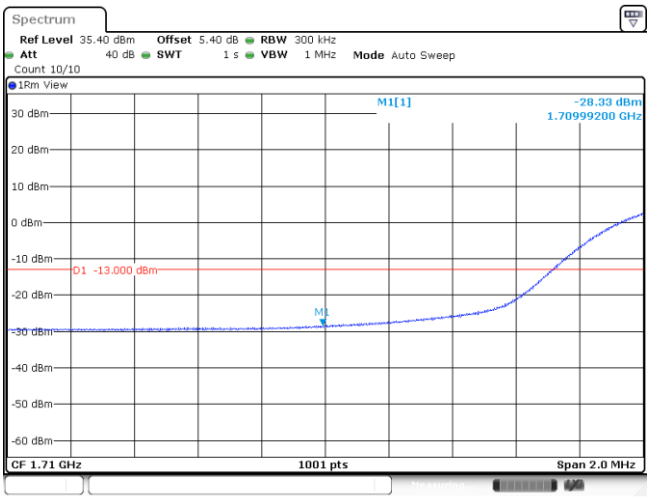
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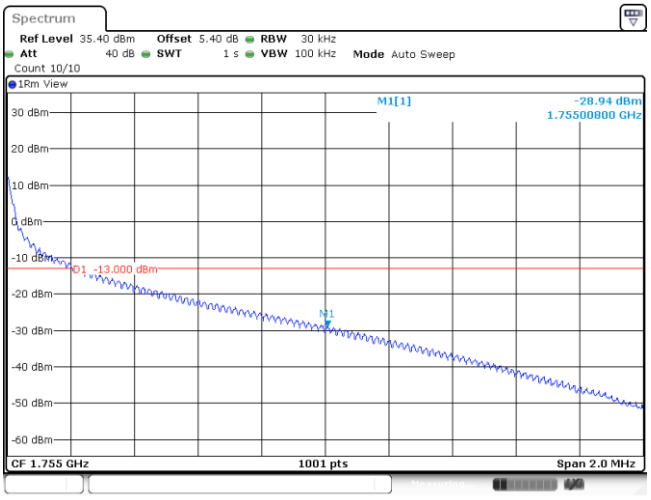
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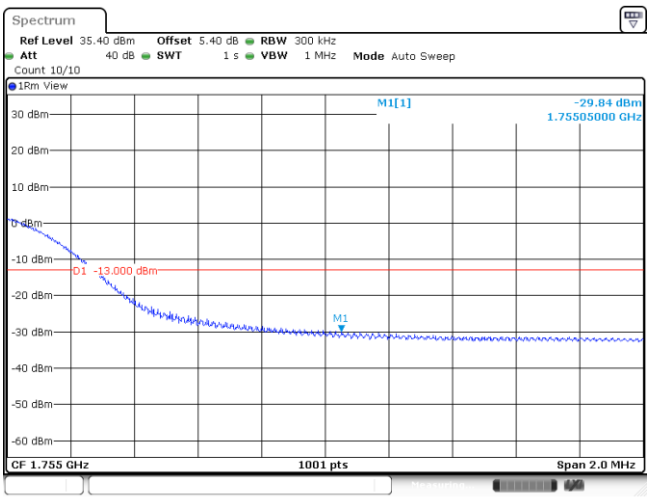

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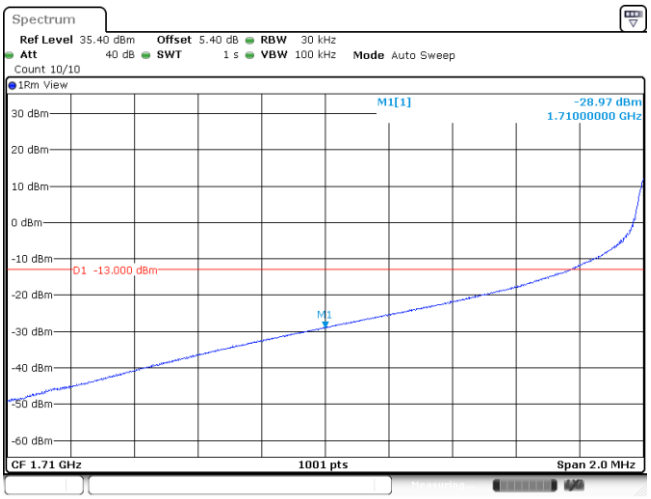 Date: 11.AUG.2019 03:28:06
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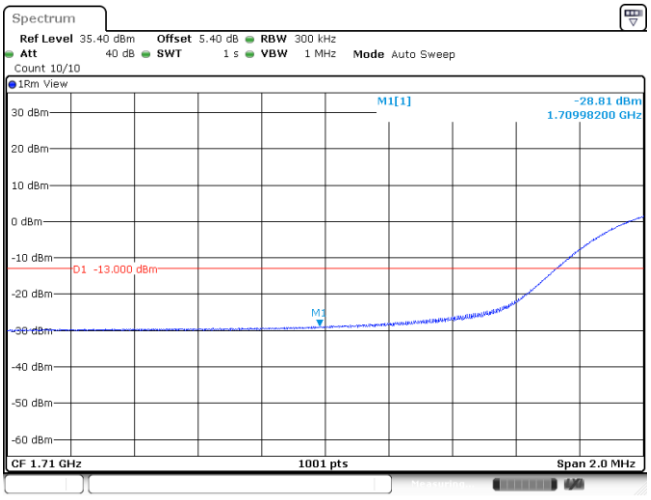 Date: 11.AUG.2019 03:29:34
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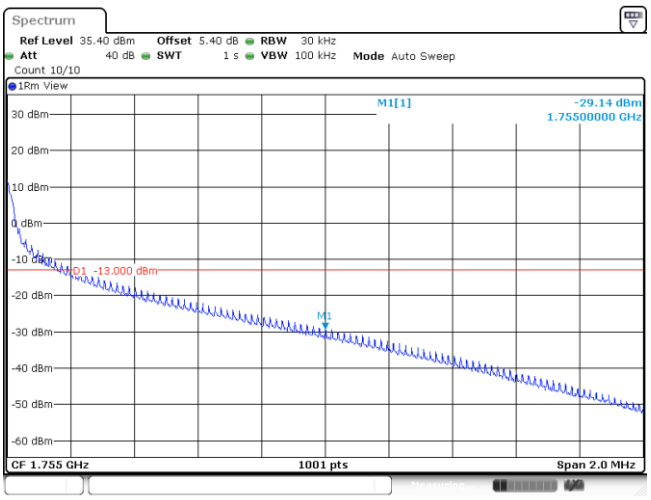 Date: 11.AUG.2019 03:28:50

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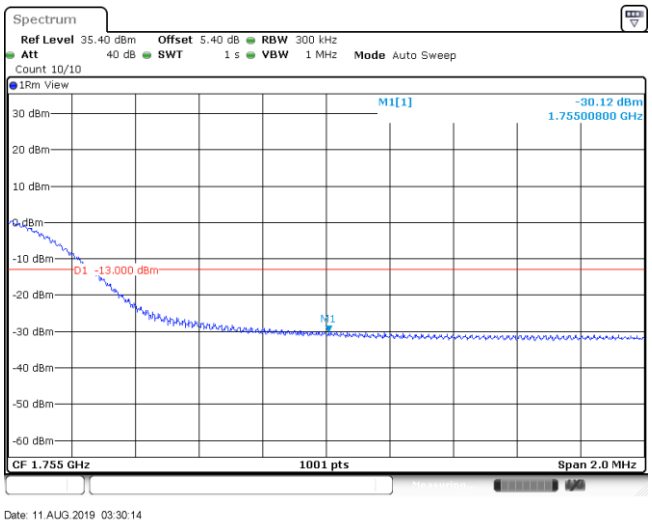
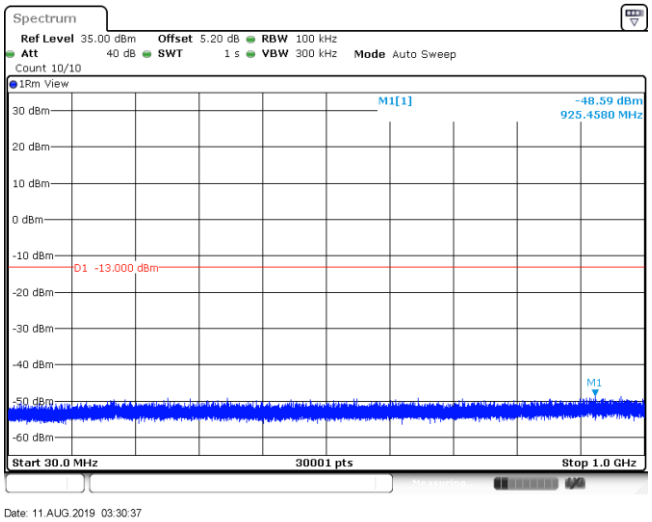


8. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

8.1. Test Plots

Band4_20MHz_QPSK_20050_1RB#0

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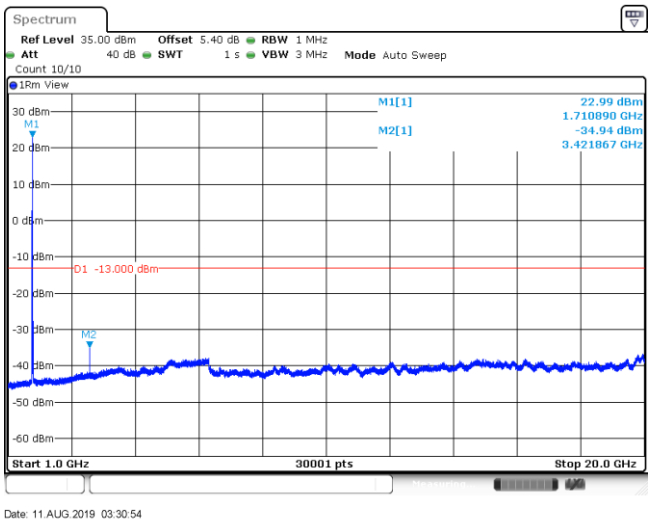
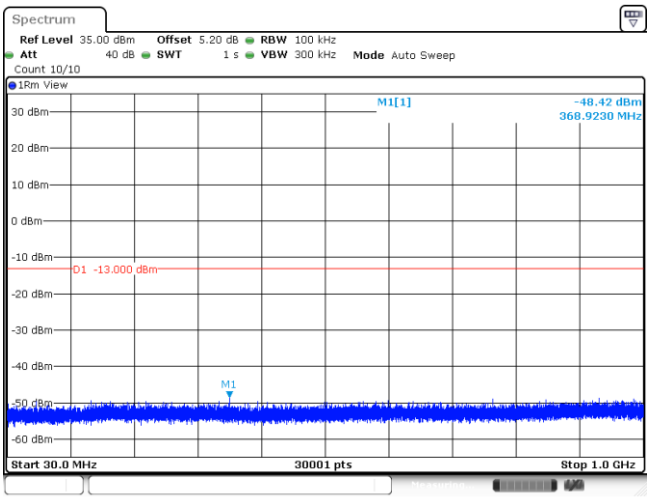


Band4_20MHz_QPSK_20175_1RB#0



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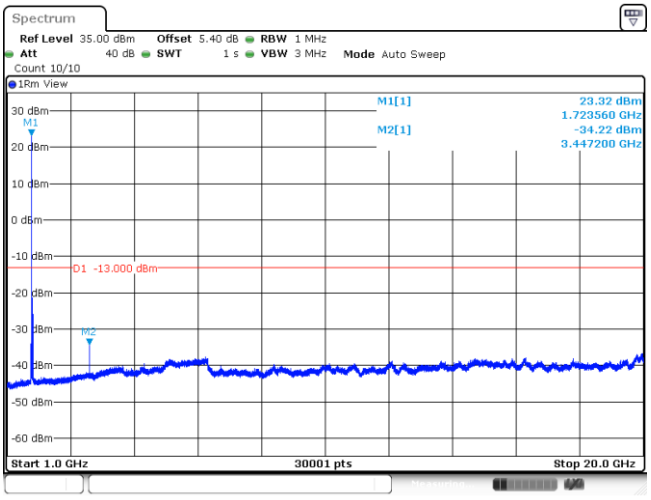
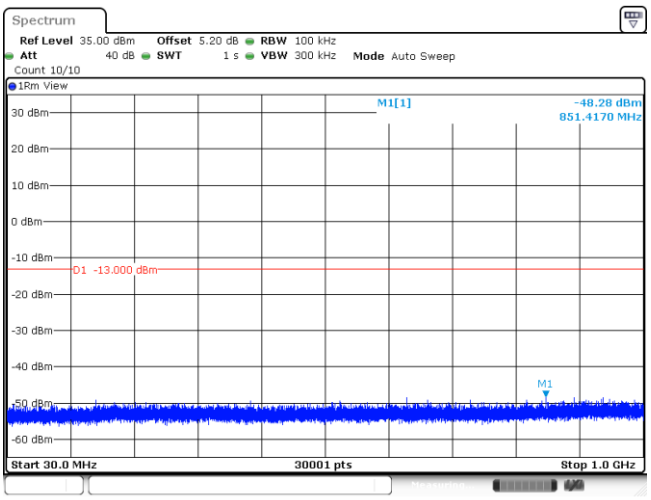
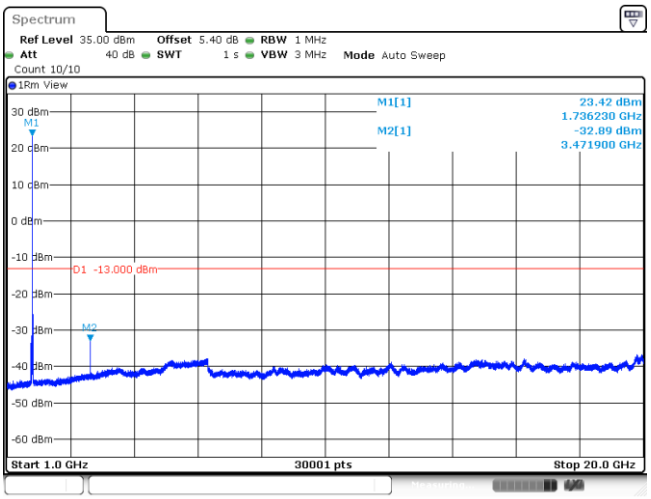
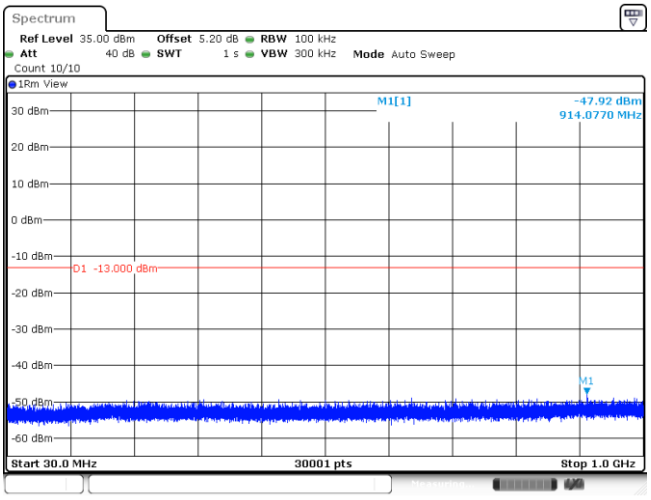


Band4_20MHz_QPSK_20300_1RB#0



Band4_20MHz_QPSK_20300_1RB#0


Band4_20MHz_16QAM_20050_1RB#0


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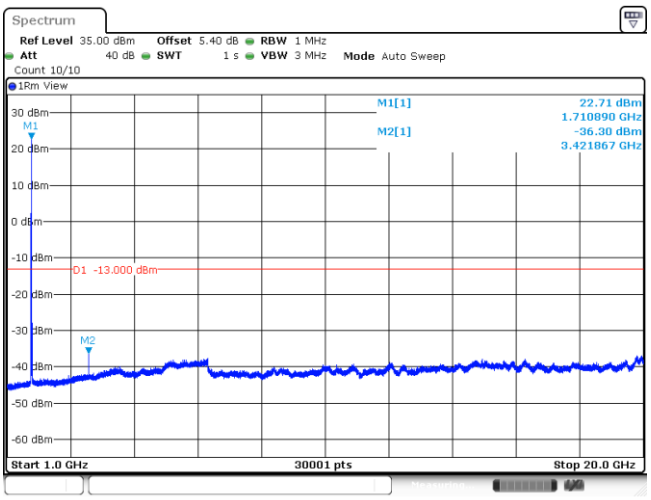
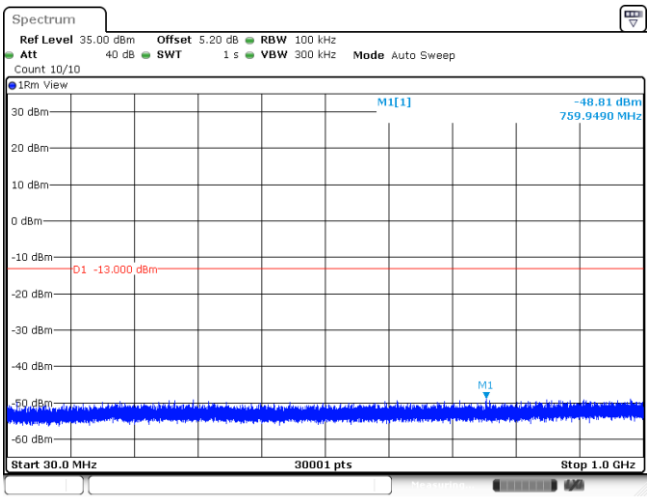
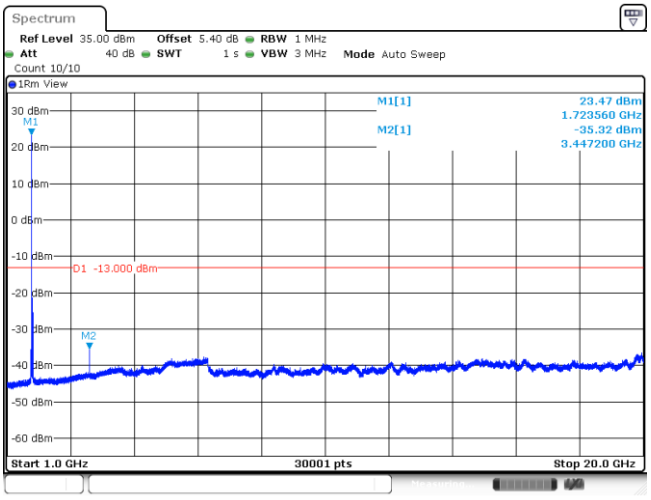


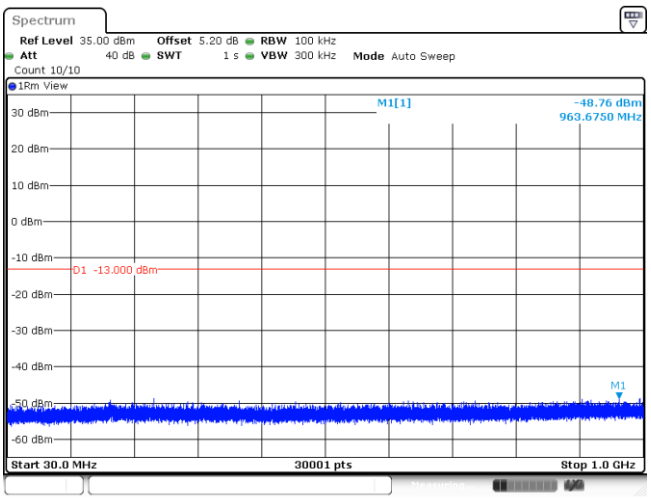
Band4_20MHz_16QAM_20175_1RB#0

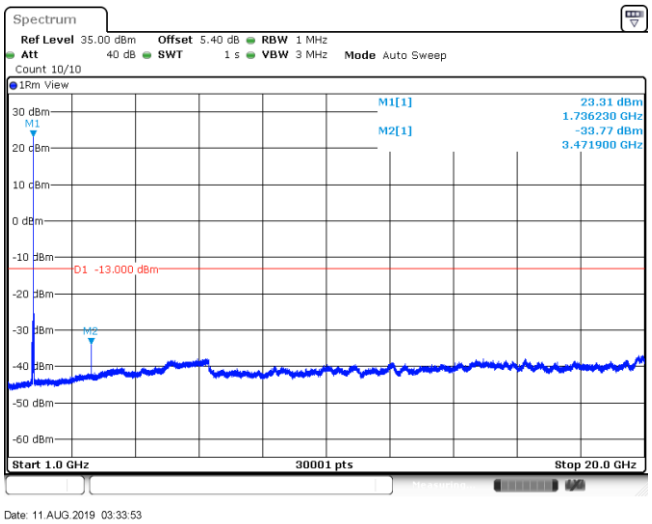


Band4_20MHz_16QAM_20175_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0


9. Frequency Stability

9.1. Frequency Vs Voltage

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-8.10	-0.004709	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-10.00	-0.005814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-10.50	-0.006105	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-6.40	-0.003694	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	3.30	0.001905	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-8.60	-0.004964	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-9.80	-0.005616	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-4.70	-0.002733	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-6.50	-0.003779	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-6.50	-0.003779	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.60	-0.002078	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-6.70	-0.003867	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-5.30	-0.003037	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-4.90	-0.002808	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-13.90	-0.007966	±2.5	PASS

9.2. Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-5.70	-0.003314	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-7.90	-0.004593	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-6.60	-0.003837	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-7.30	-0.004244	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-4.00	-0.002326	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-7.00	-0.004070	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-15.10	-0.008779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-7.30	-0.004244	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.90	0.001097	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-2.90	-0.001674	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-9.50	-0.005483	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-9.00	-0.005195	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-9.90	-0.005714	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-9.50	-0.005483	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-4.30	-0.002482	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-4.90	-0.002828	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-6.20	-0.003553	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-9.00	-0.005158	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-10.30	-0.005903	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-8.00	-0.004585	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-5.70	-0.003266	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-6.50	-0.003725	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-0.40	-0.000233	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-3.70	-0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-6.30	-0.003663	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-1.40	-0.000814	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-2.70	-0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-15.40	-0.008953	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-9.90	-0.005756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-5.90	-0.003430	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-5.20	-0.003001	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	0.40	0.000231	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-2.10	-0.001212	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-8.50	-0.004906	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-4.10	-0.002367	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-4.80	-0.002771	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-1.60	-0.000924	±2.5	PASS

Band4	20MHz	16QAM	20175	100RB#0	NV	50	-5.90	-0.003405	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	1.10	0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-4.30	-0.002464	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-8.40	-0.004814	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-5.80	-0.003324	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-10.40	-0.005960	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-13.40	-0.007679	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-1.60	-0.000917	±2.5	PASS

The End