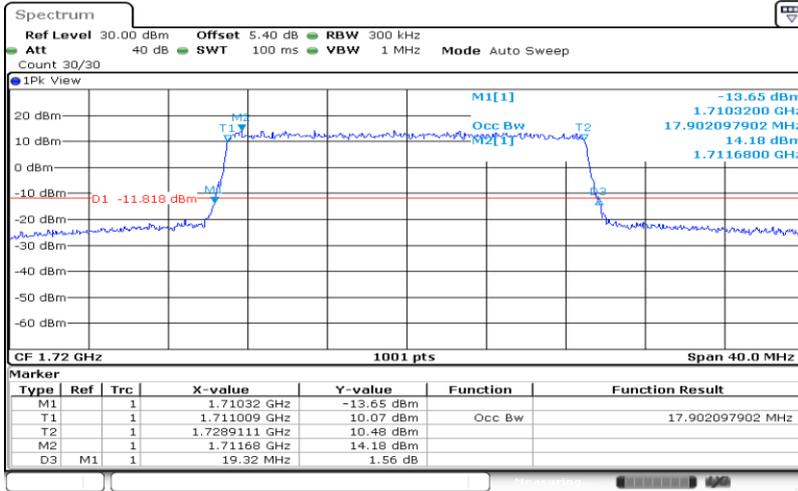
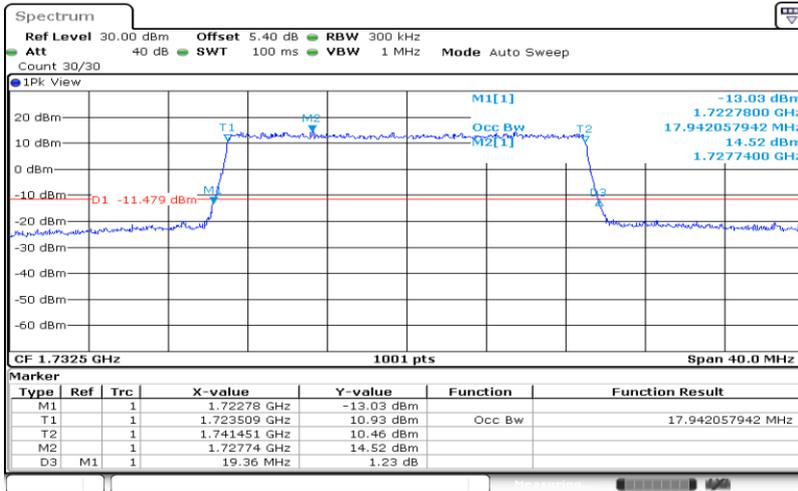


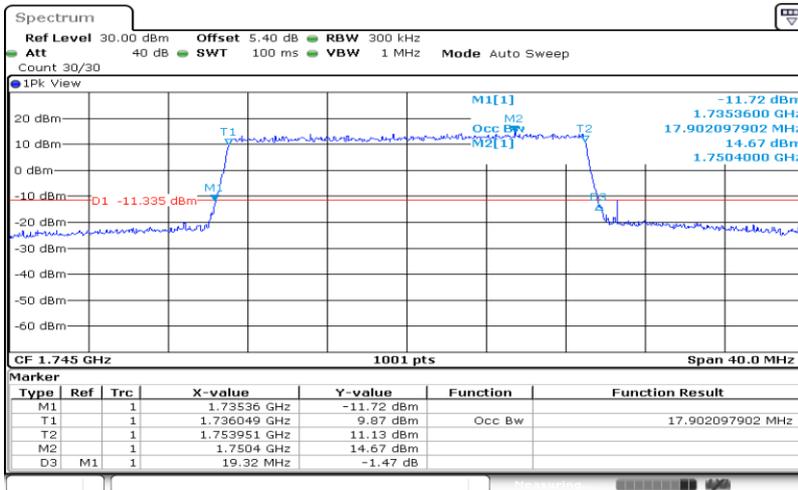
Band4-20MHz-16QAM-20050-100RB#0-17.902



Band4-20MHz-16QAM-20175-100RB#0-17.942

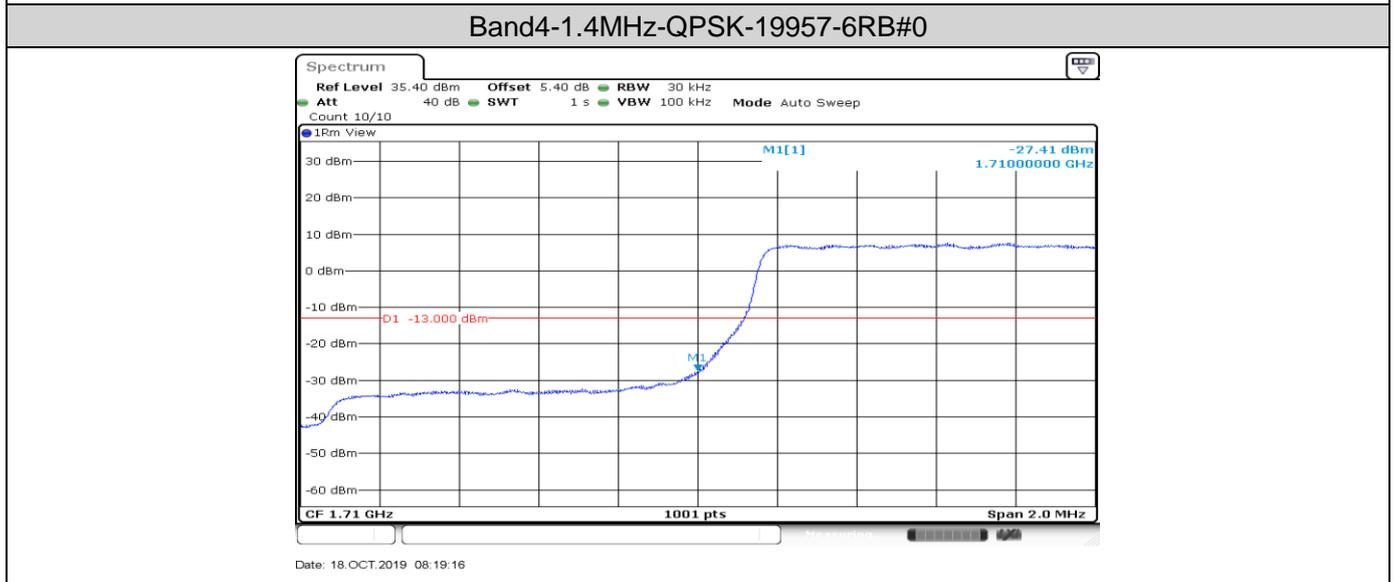
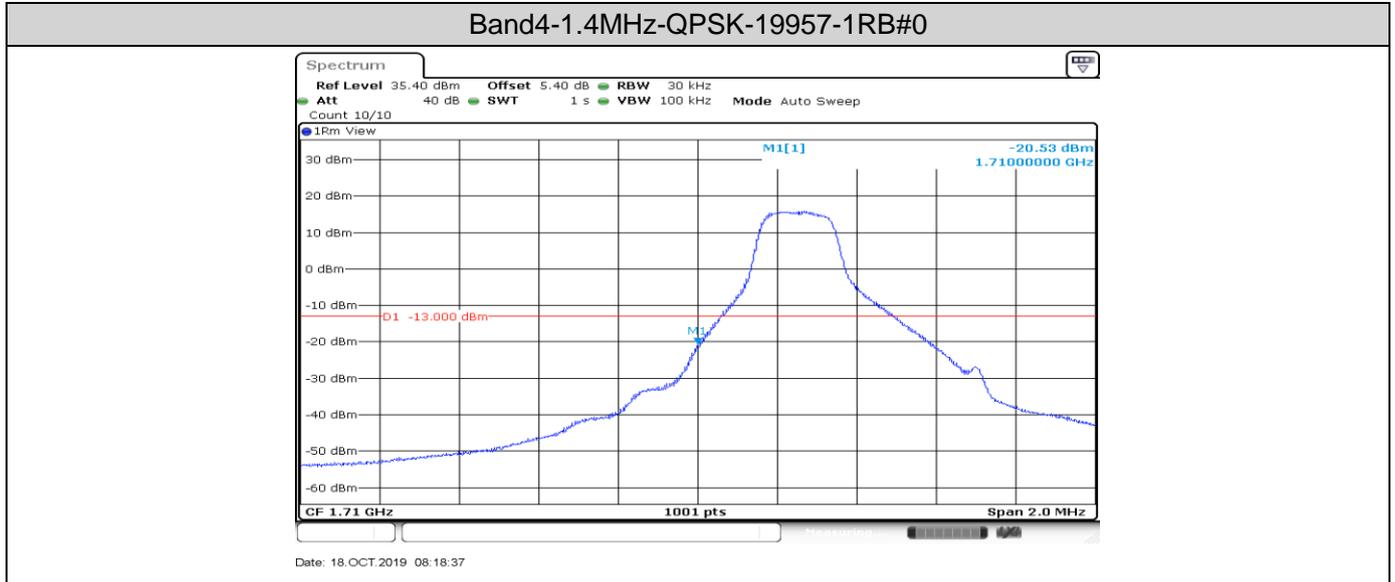


Band4-20MHz-16QAM-20300-100RB#0-17.902

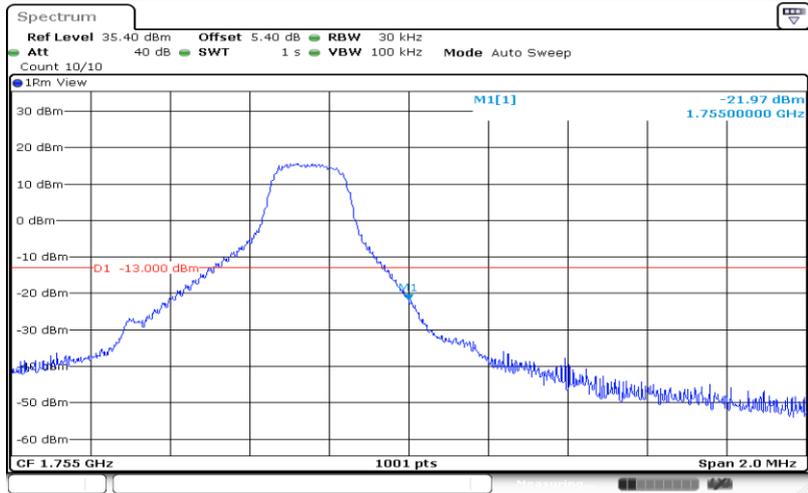


7. Band Edge Compliance

7.1. Test Plots



Band4-1.4MHz-QPSK-20393-1RB#5



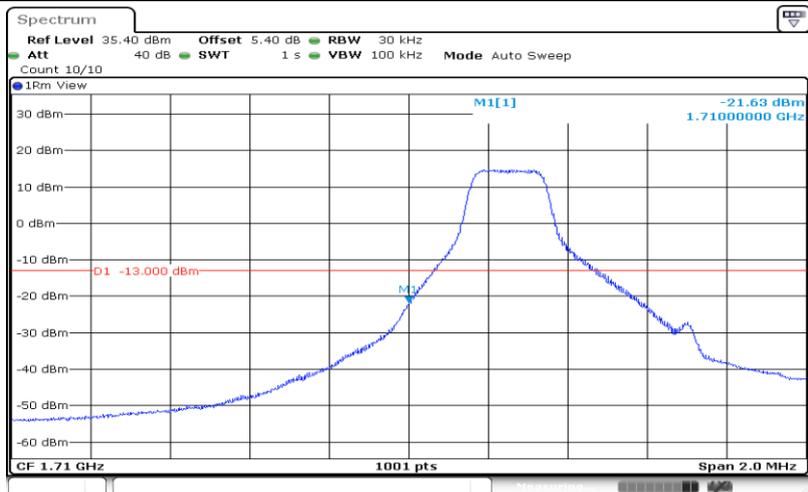
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Band4-1.4MHz-QPSK-20393-6RB#0



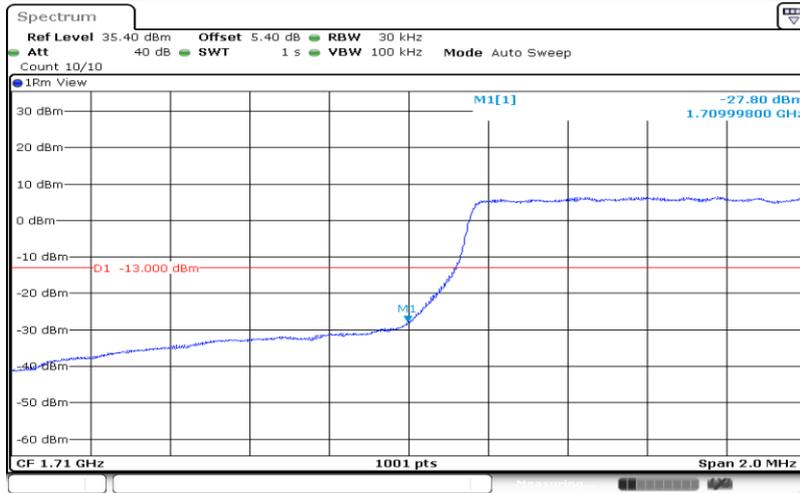
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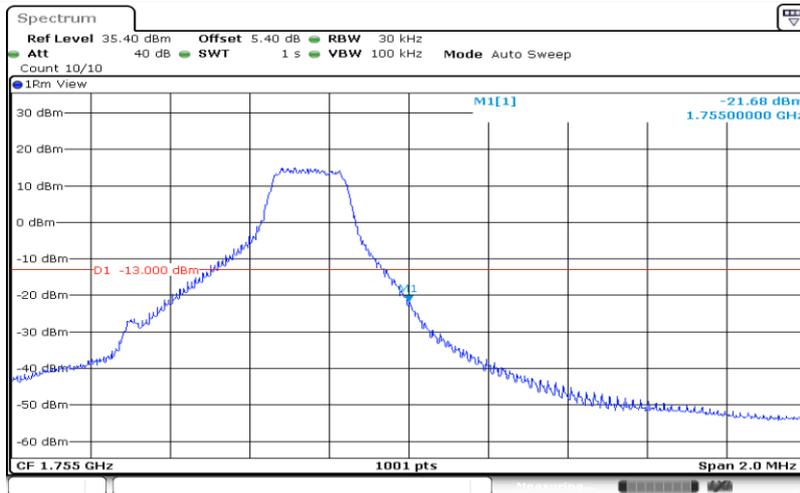
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Date: 18.OCT.2019 08:19:36

Band4-1.4MHz-16QAM-20393-1RB#5



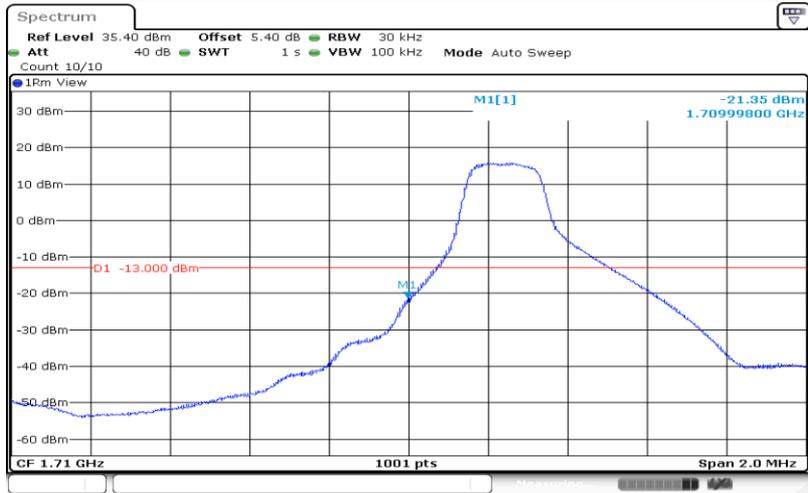
Date: 18.OCT.2019 08:20:19

Band4-1.4MHz-16QAM-20393-6RB#0



Date: 18.OCT.2019 08:20:58

Band4-3MHz-QPSK-19965-1RB#0



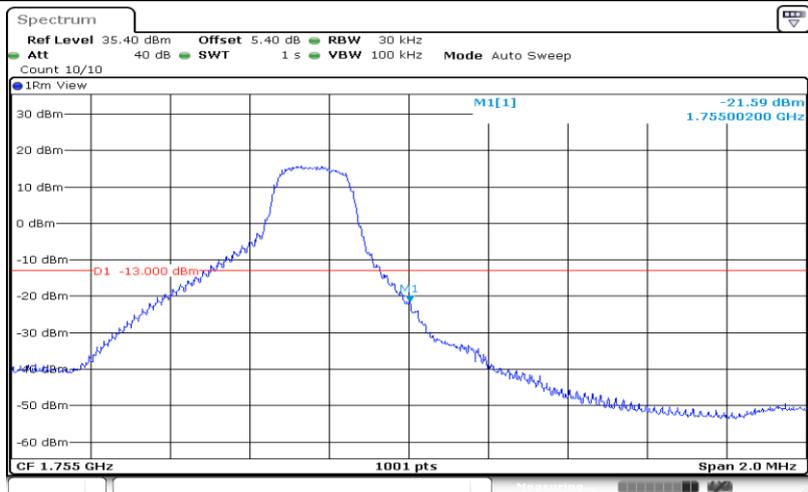
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Band4-3MHz-QPSK-19965-15RB#0



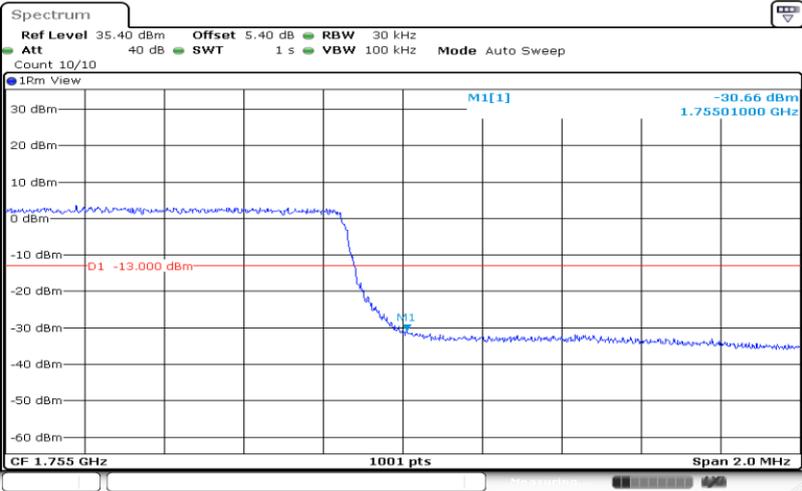
Date: 18.OCT.2019 08:22:02

Band4-3MHz-QPSK-20385-1RB#14



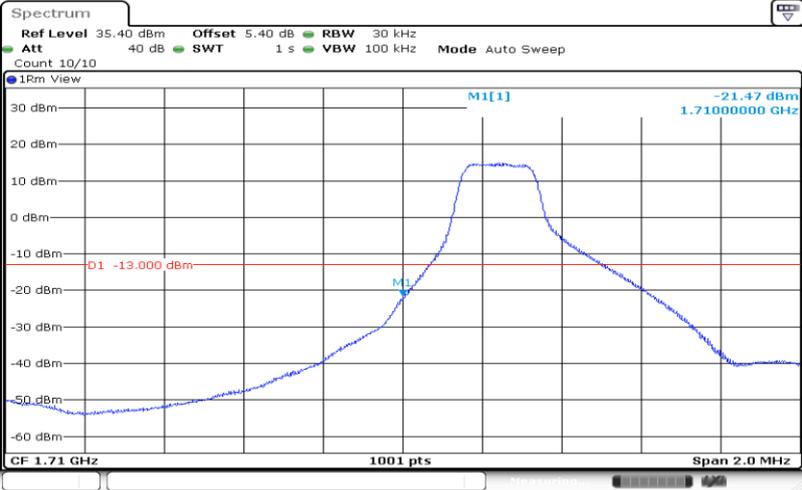
Date: 18.OCT.2019 08:22:46

Band4-3MHz-QPSK-20385-15RB#0



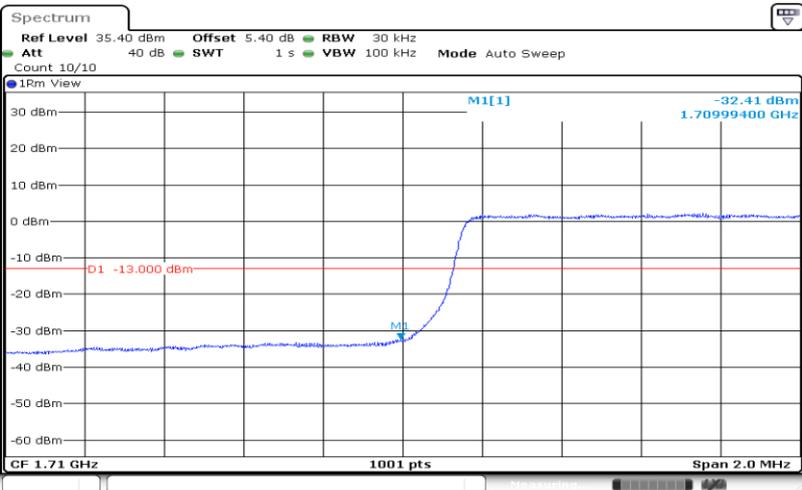
Date: 18.OCT.2019 08:23:25

Band4-3MHz-16QAM-19965-1RB#0



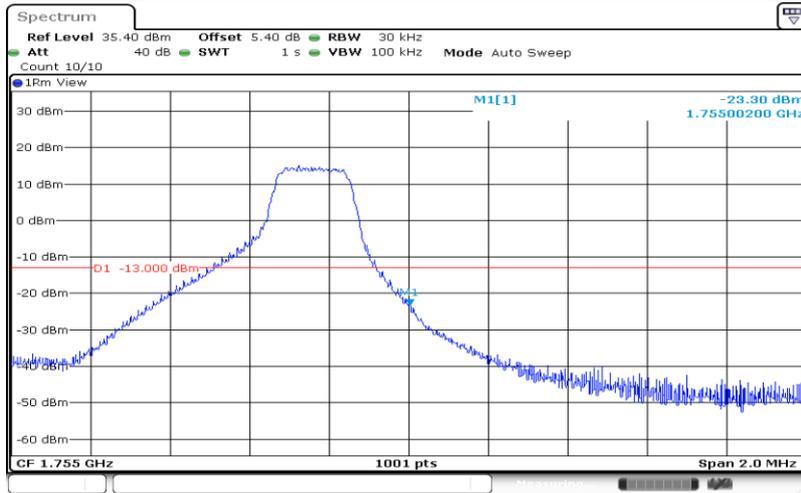
Date: 18.OCT.2019 08:21:42

Band4-3MHz-16QAM-19965-15RB#0



Date: 18.OCT.2019 08:22:22

Band4-3MHz-16QAM-20385-1RB#14



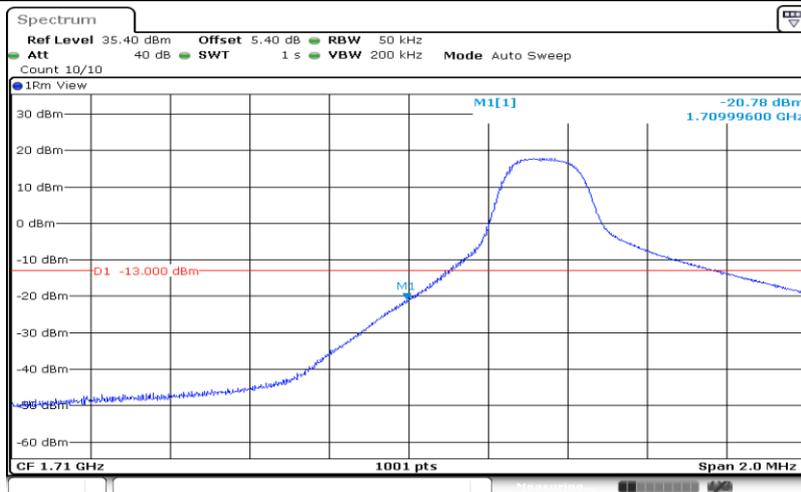
Date: 18.OCT.2019 08:23:06

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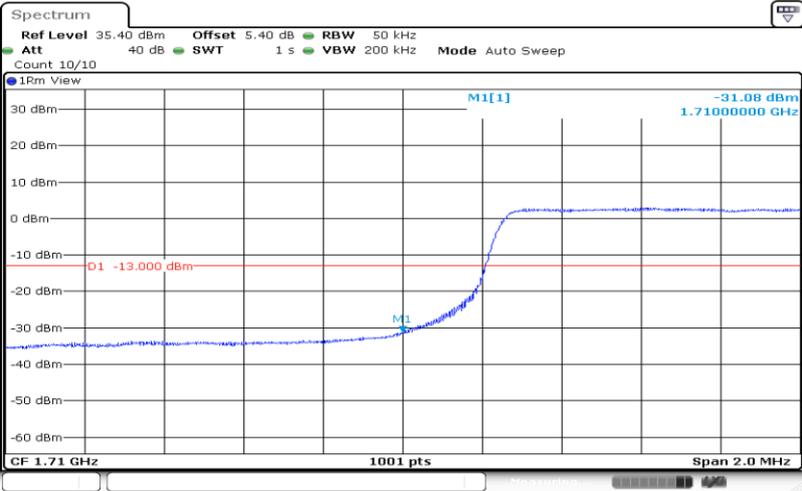
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Band4-5MHz-QPSK-19975-1RB#0



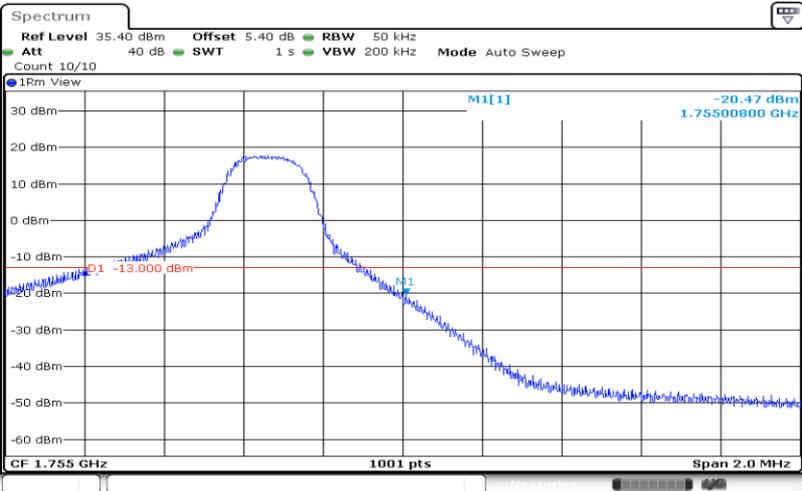
Date: 18.OCT.2019 08:24:09

Band4-5MHz-QPSK-19975-25RB#0



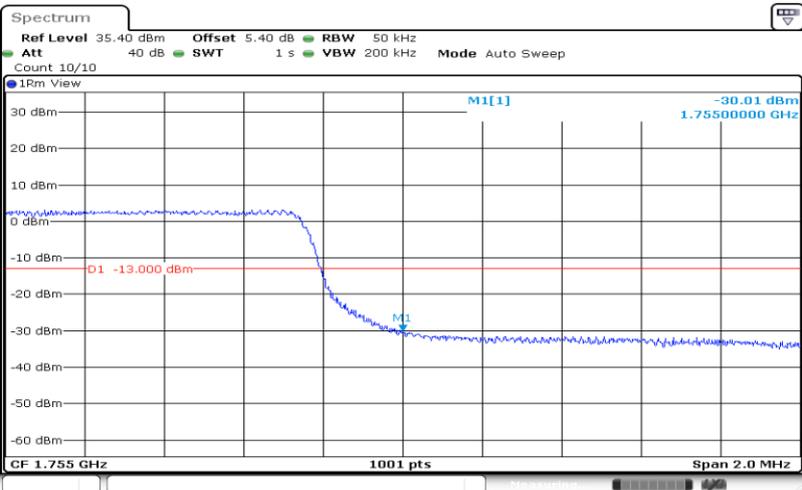
Date: 18.OCT.2019 08:24:48

Band4-5MHz-QPSK-20375-1RB#24



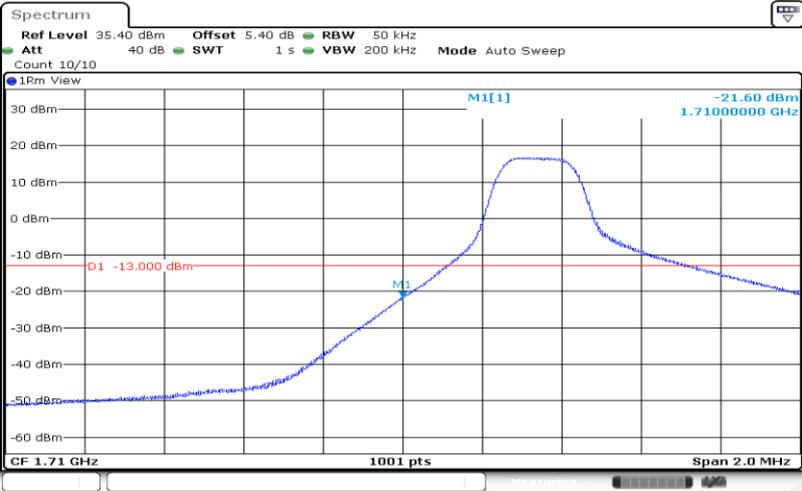
Date: 18.OCT.2019 08:25:33

Band4-5MHz-QPSK-20375-25RB#0



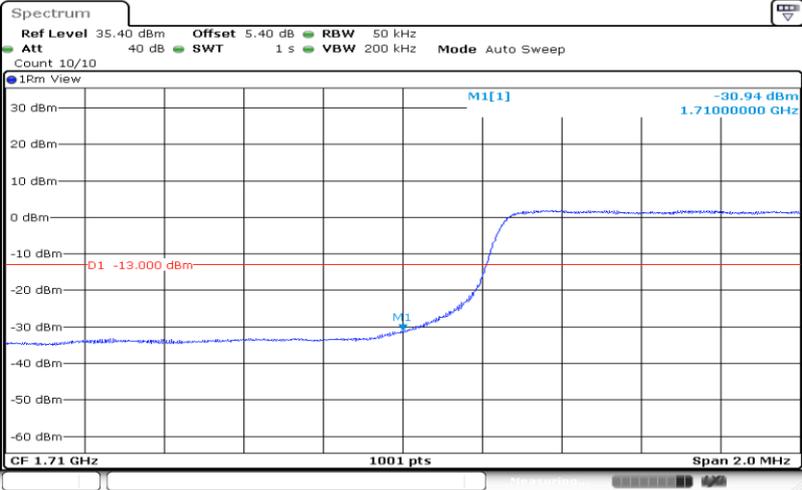
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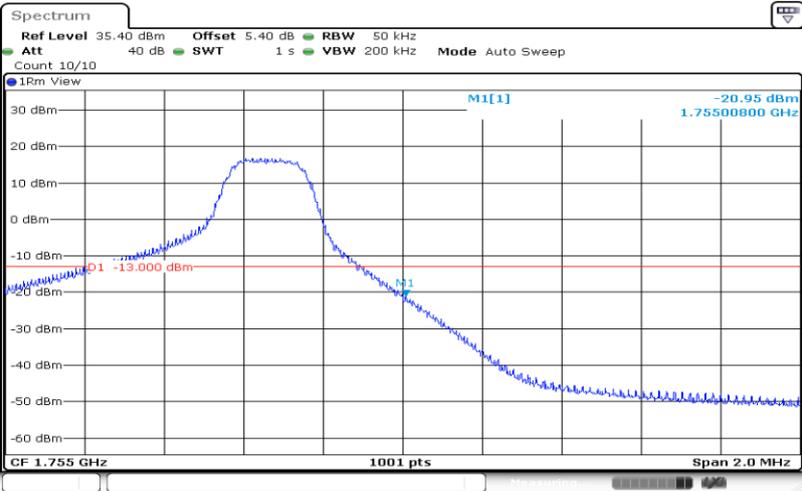
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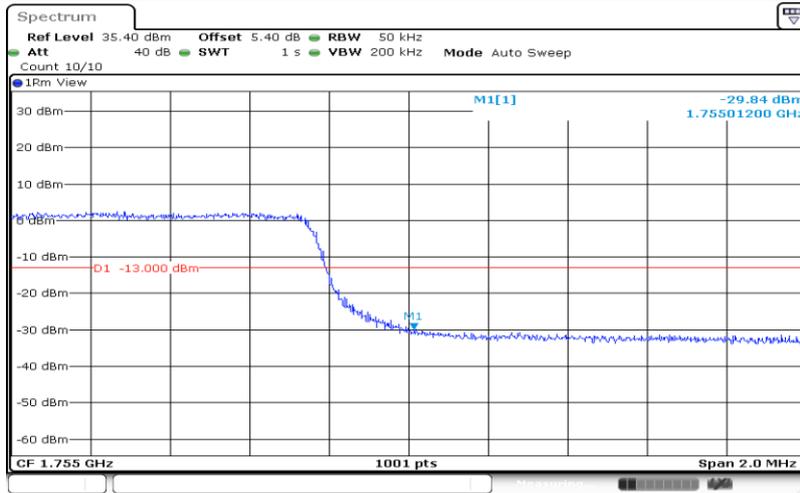
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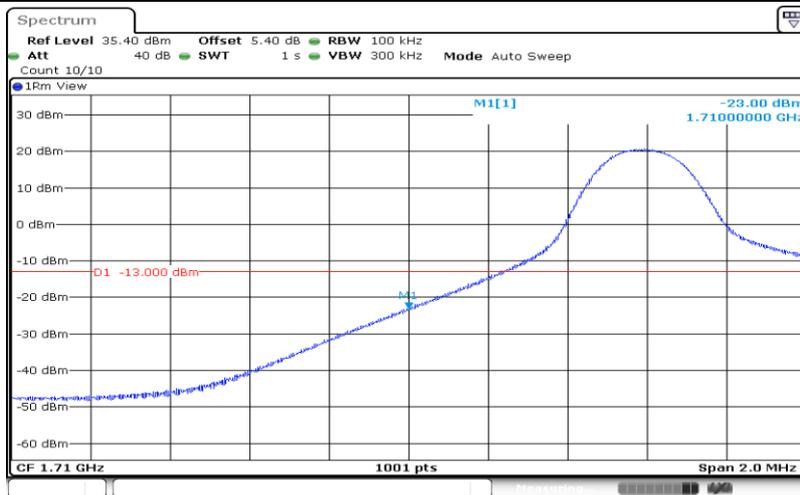
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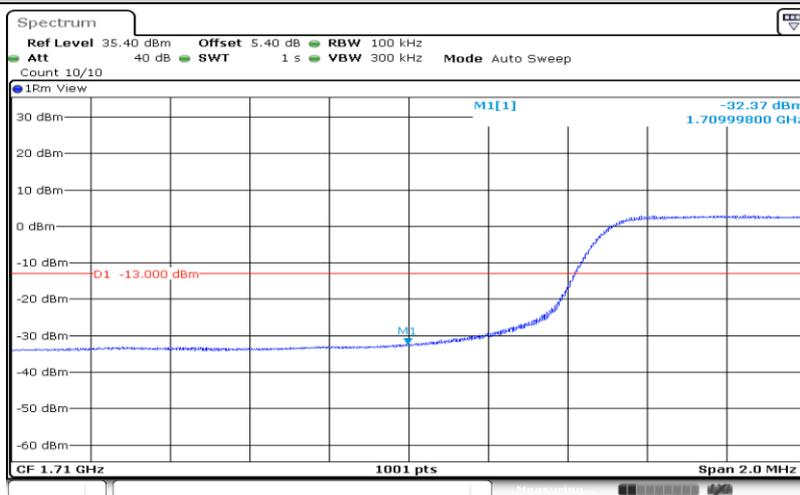
Date: 18.OCT.2019 08:28:31

Band4-10MHz-QPSK-20000-1RB#0



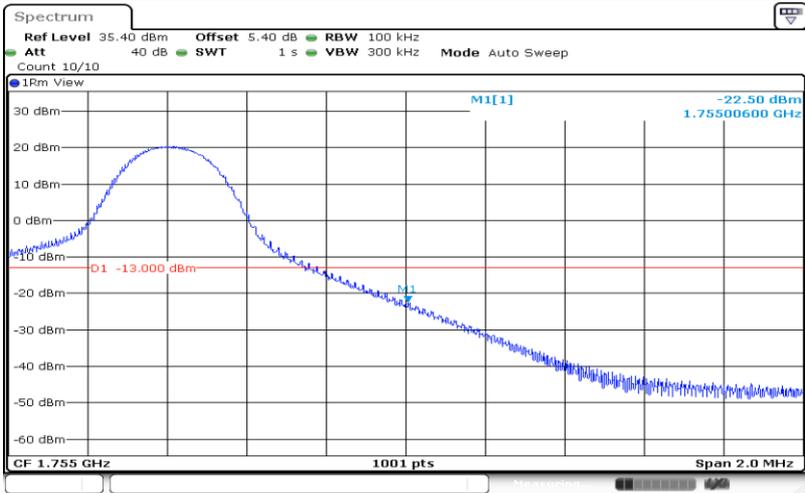
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Band4-10MHz-QPSK-20000-50RB#0



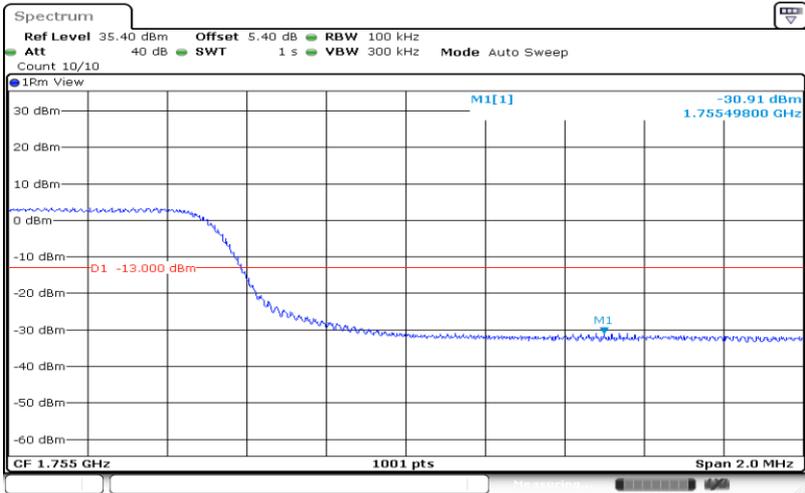
Date: 18.OCT.2019 08:27:35

Band4-10MHz-QPSK-20350-1RB#49



Date: 18.OCT.2019 08:28:19

Band4-10MHz-QPSK-20350-50RB#0



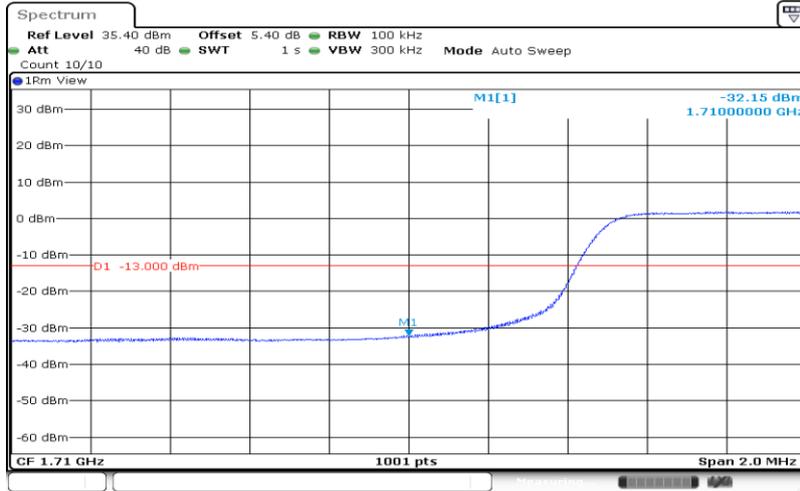
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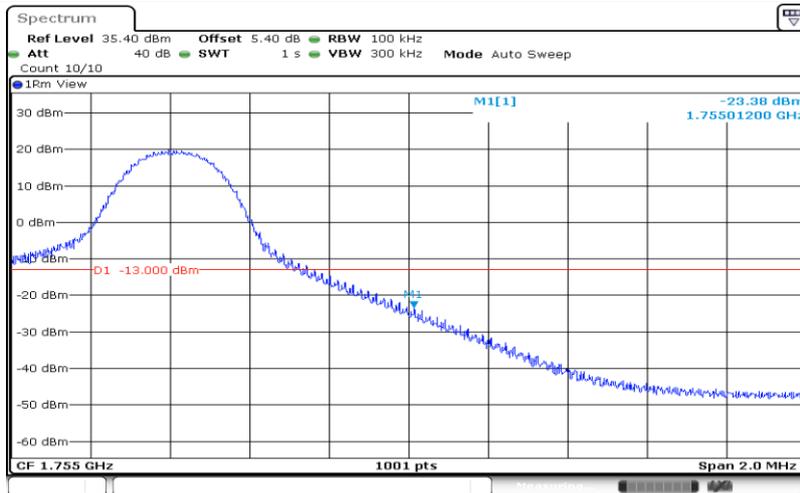
Date: 18.OCT.2019 08:27:16

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Date: 18.OCT.2019 08:27:55

Band4-10MHz-16QAM-20350-1RB#49



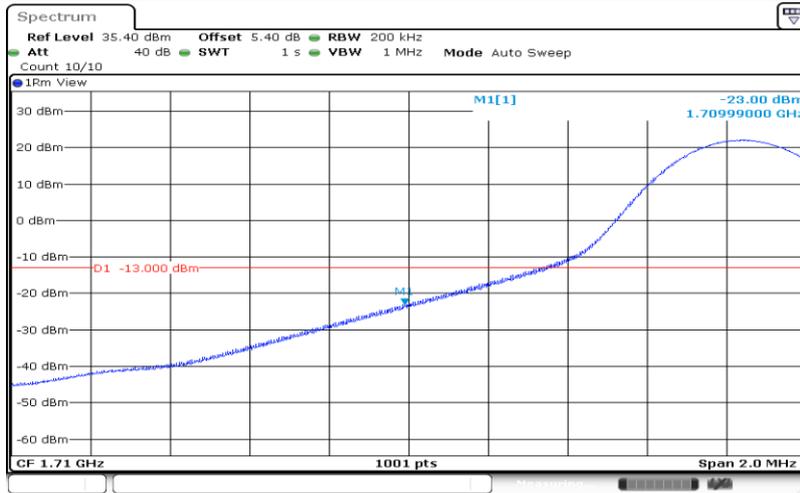
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Band4-10MHz-16QAM-20350-50RB#0



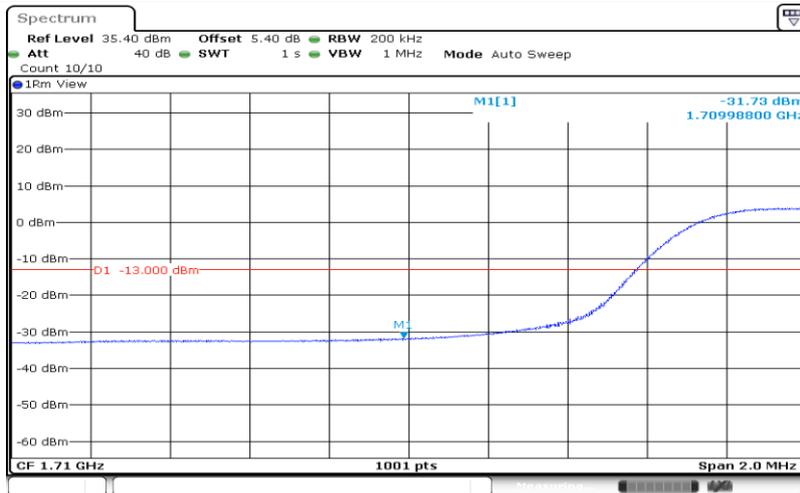
Date: 18.OCT.2019 08:29:18

Band4-15MHz-QPSK-20025-1RB#0



Date: 18.OCT.2019 08:29:42

Band4-15MHz-QPSK-20025-75RB#0



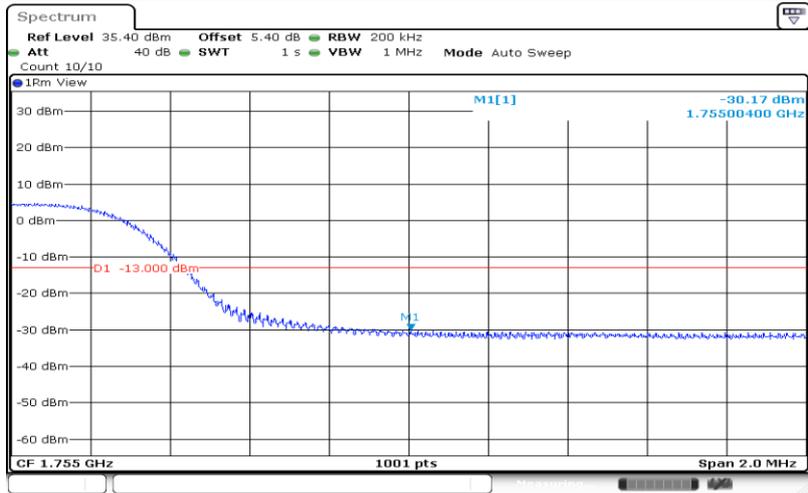
Date: 18.OCT.2019 08:30:21

Band4-15MHz-QPSK-20325-1RB#74



Date: 18.OCT.2019 08:31:06

Band4-15MHz-QPSK-20325-75RB#0



Date: 18.OCT.2019 08:31:45

Band4-15MHz-16QAM-20025-1RB#0



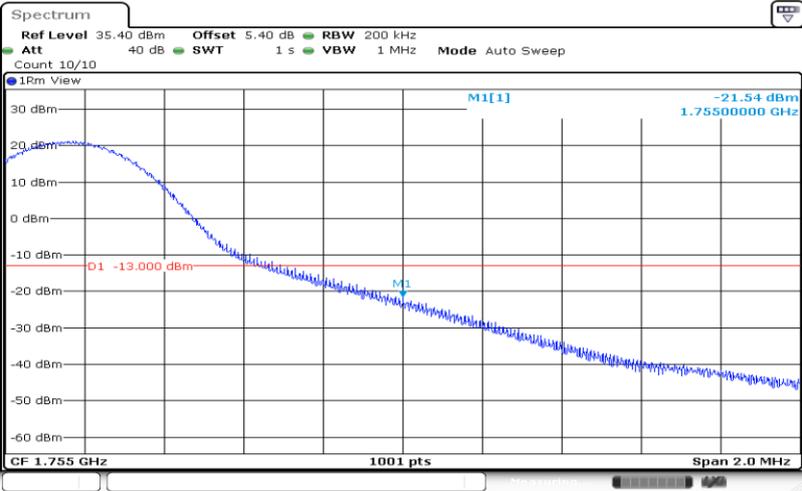
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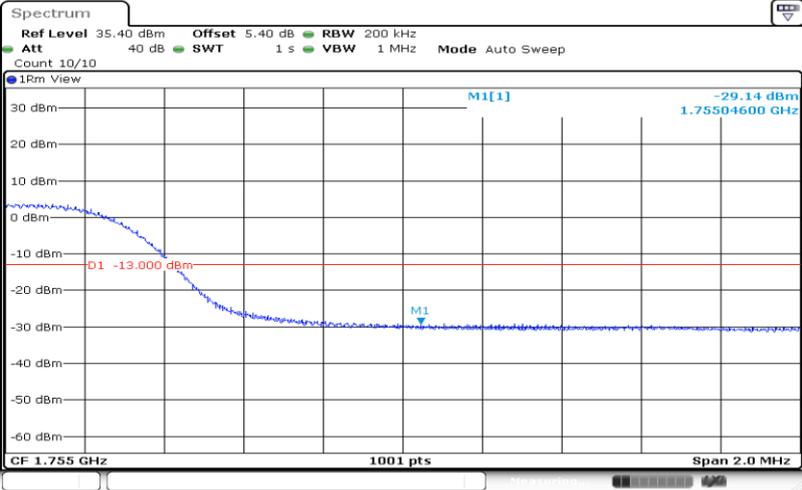
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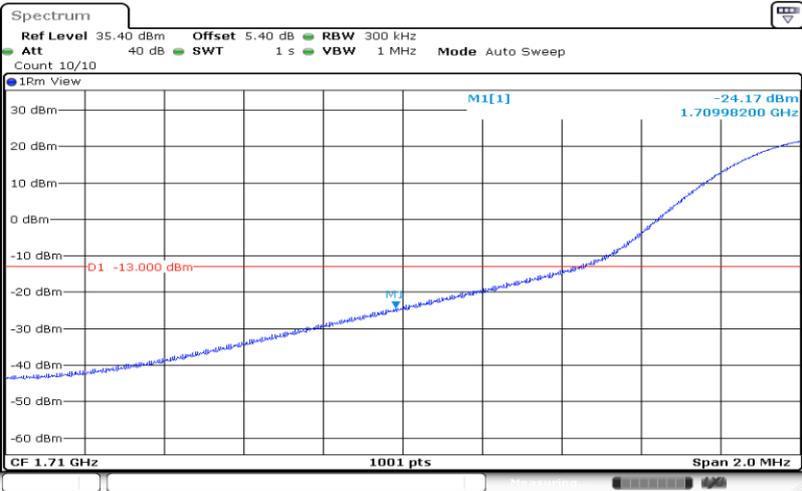
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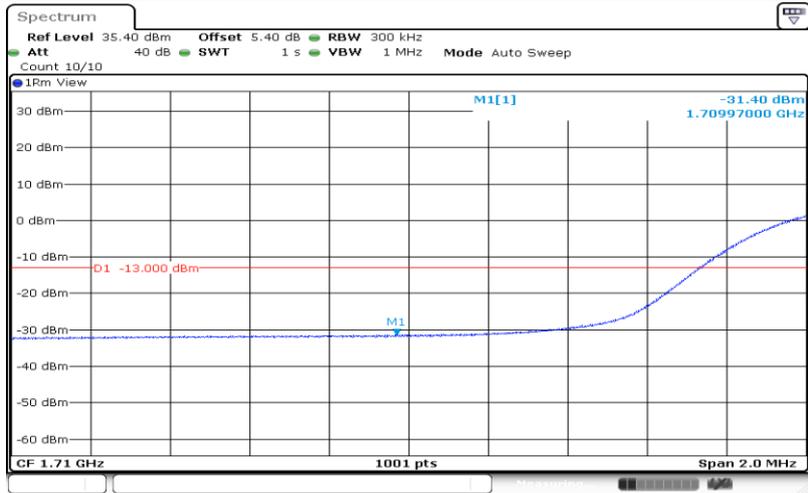
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Band4-20MHz-QPSK-20050-1RB#0



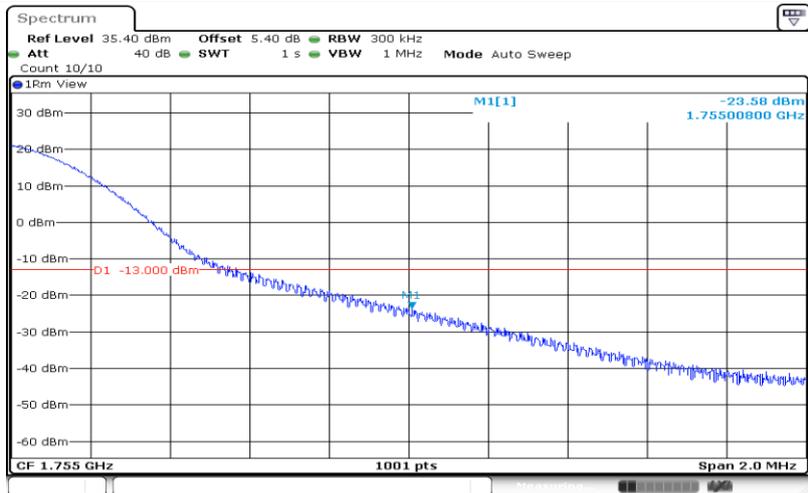
Date: 18.OCT.2019 08:32:29

Band4-20MHz-QPSK-20050-100RB#0



Date: 18.OCT.2019 08:33:09

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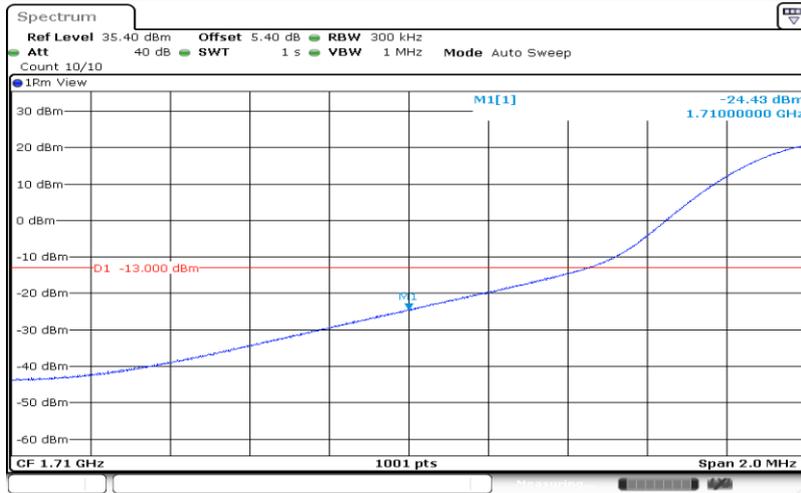
Date: 18.OCT.2019 08:33:53

Band4-20MHz-QPSK-20300-100RB#0



Date: 18.OCT.2019 08:34:32

Band4-20MHz-16QAM-20050-1RB#0



Date: 18.OCT.2019 08:32:49

Band4-20MHz-16QAM-20050-100RB#0



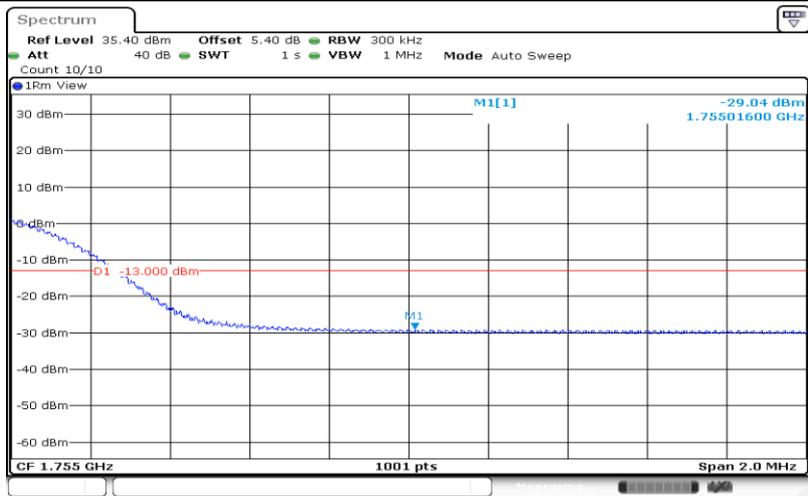
Date: 18.OCT.2019 08:33:28

Band4-20MHz-16QAM-20300-1RB#99



Date: 18.OCT.2019 08:34:12

Band4-20MHz-16QAM-20300-100RB#0



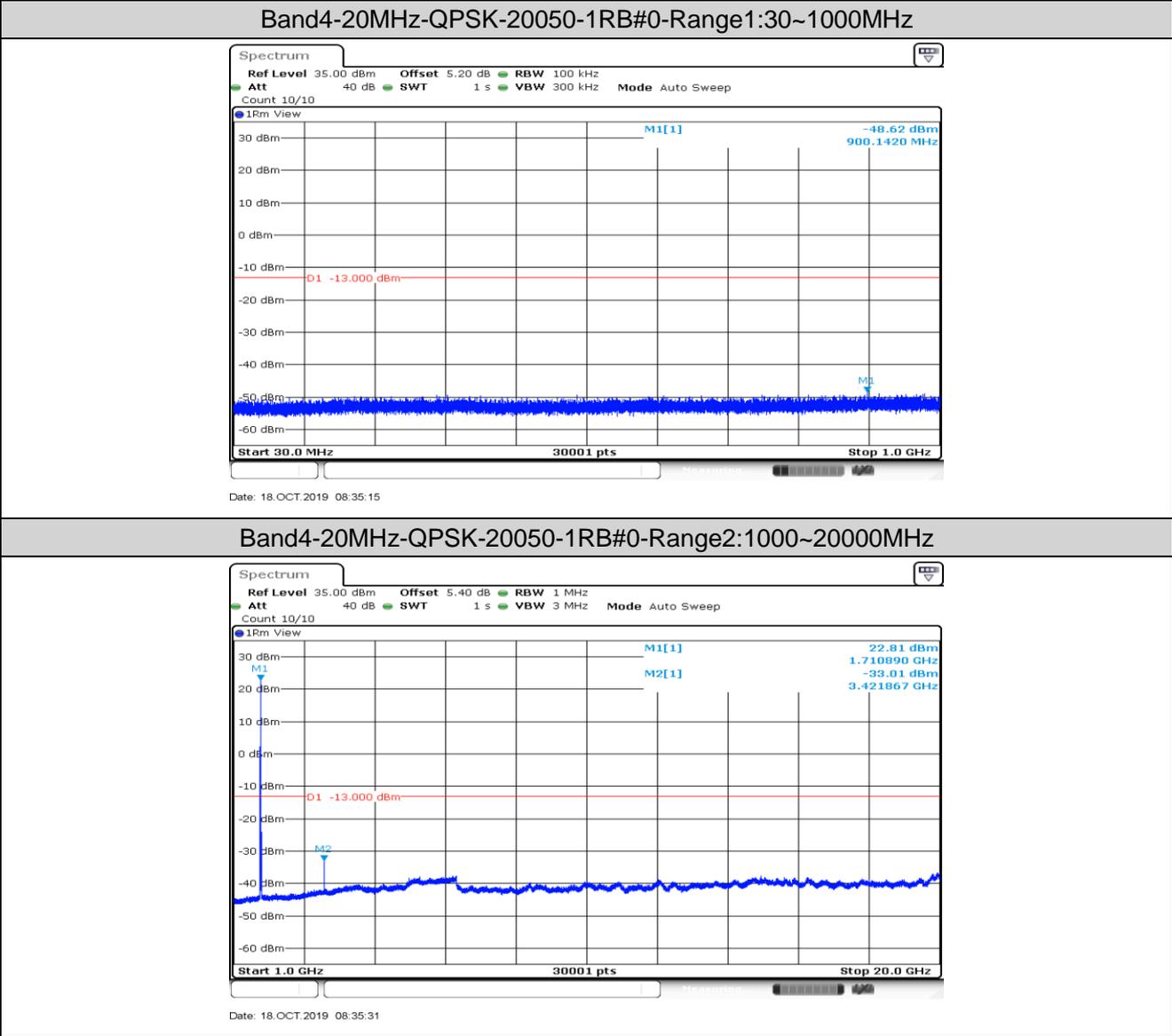
Date: 18.OCT.2019 08:34:51

8. Spurious Emission at Antenna Terminal

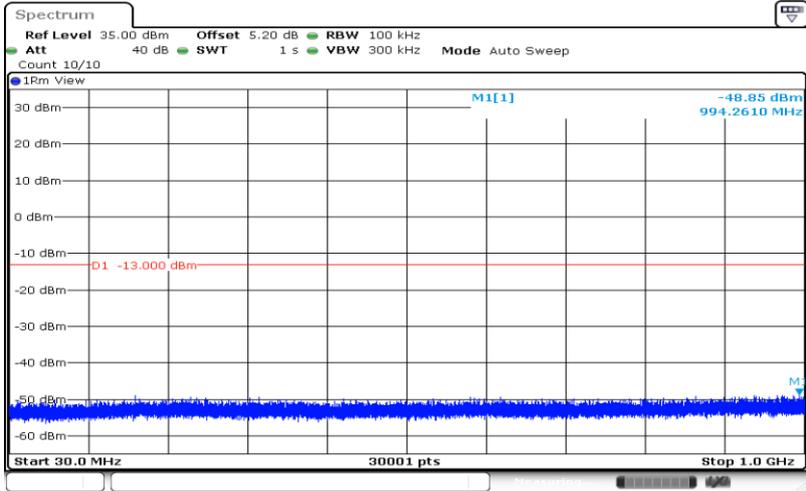
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (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

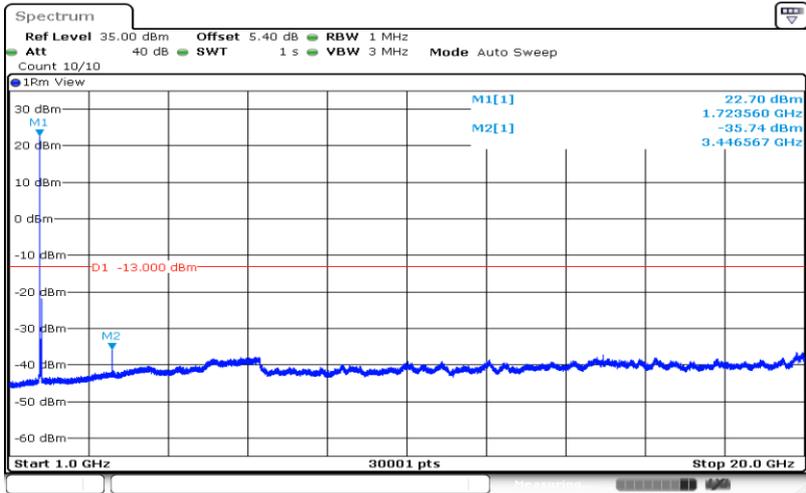


Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



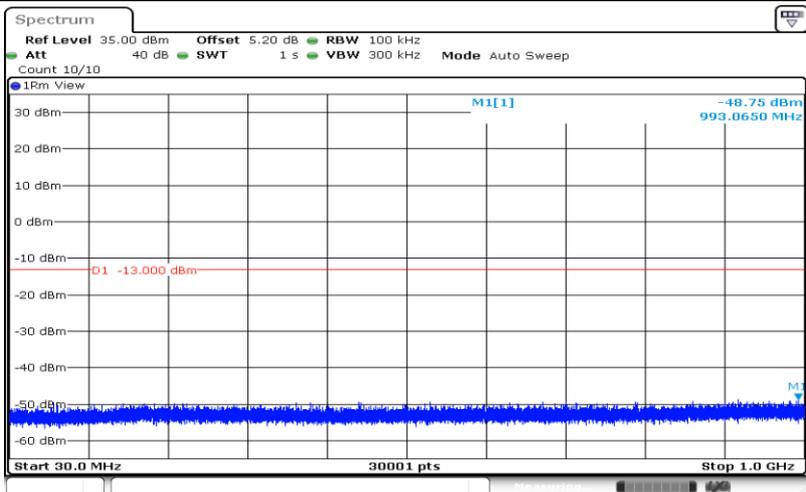
Date: 18.OCT.2019 08:36:25

Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



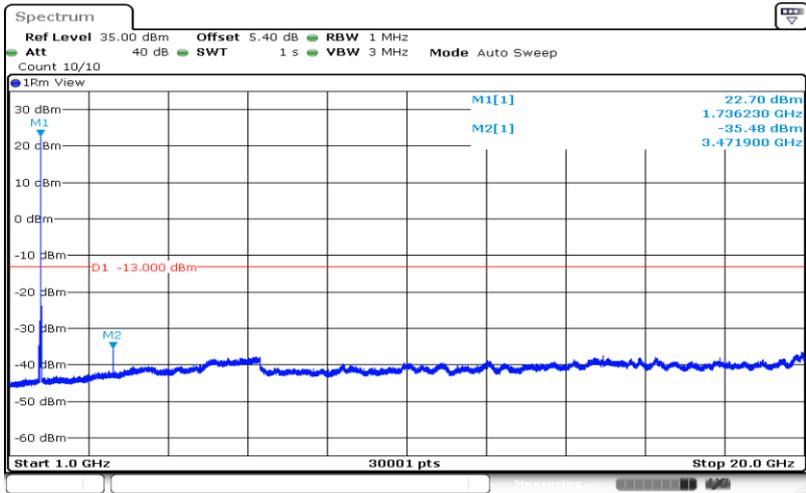
Date: 18.OCT.2019 08:36:42

Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



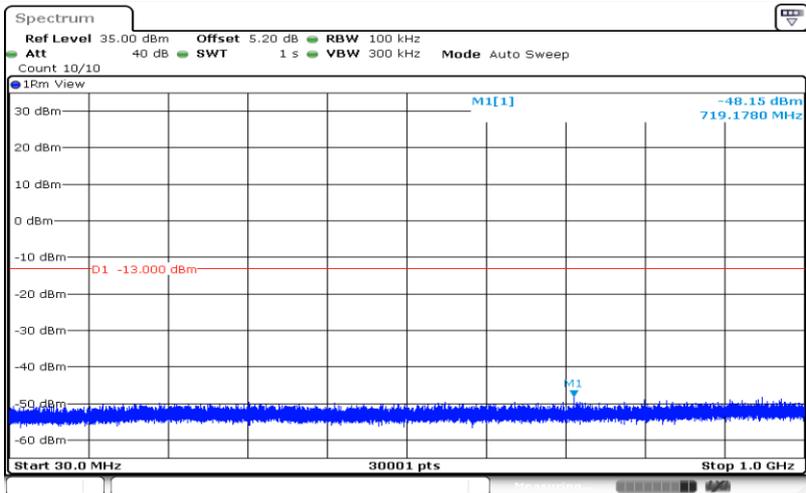
Date: 18.OCT.2019 08:37:35

Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



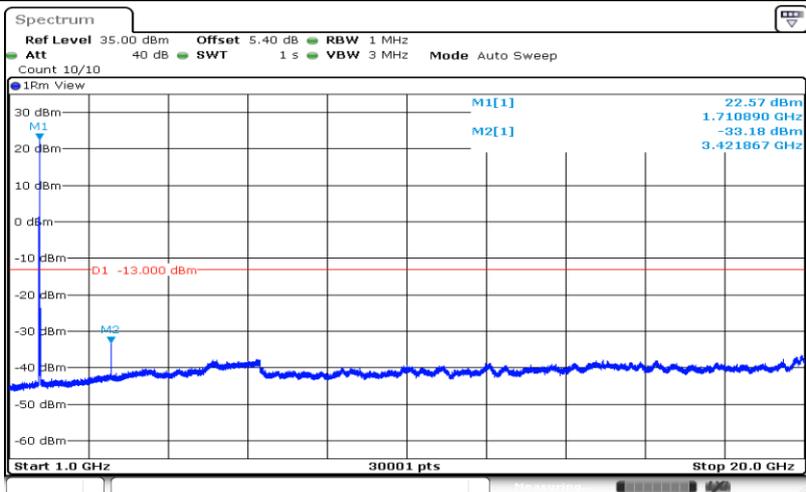
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Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



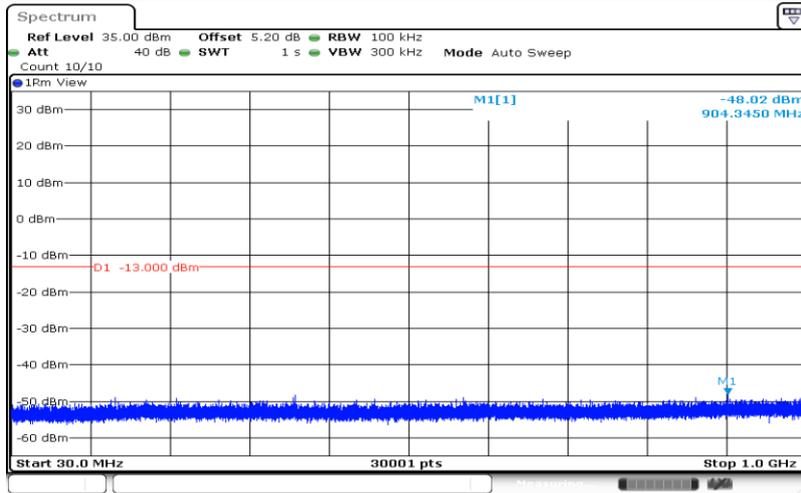
Date: 18.OCT.2019 08:35:50

Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



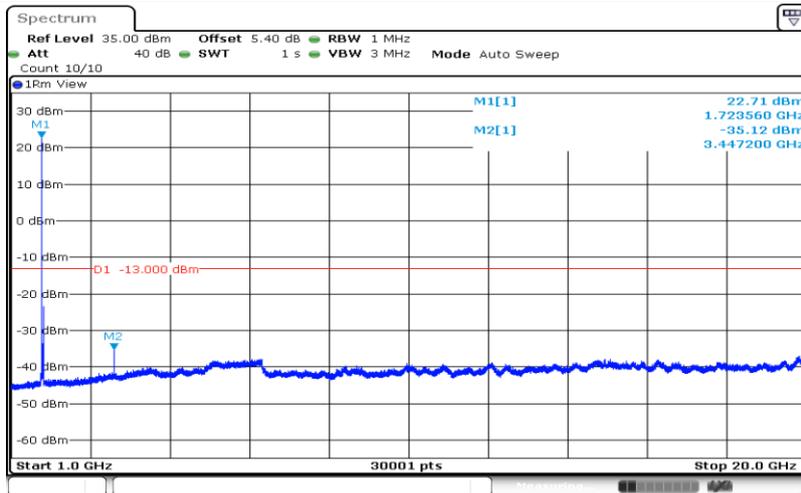
Date: 18.OCT.2019 08:36:06

Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



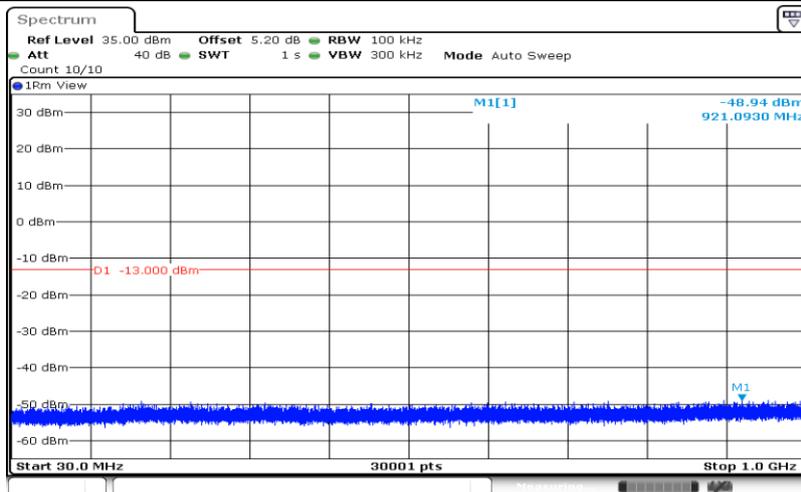
Date: 18.OCT.2019 08:37:00

Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



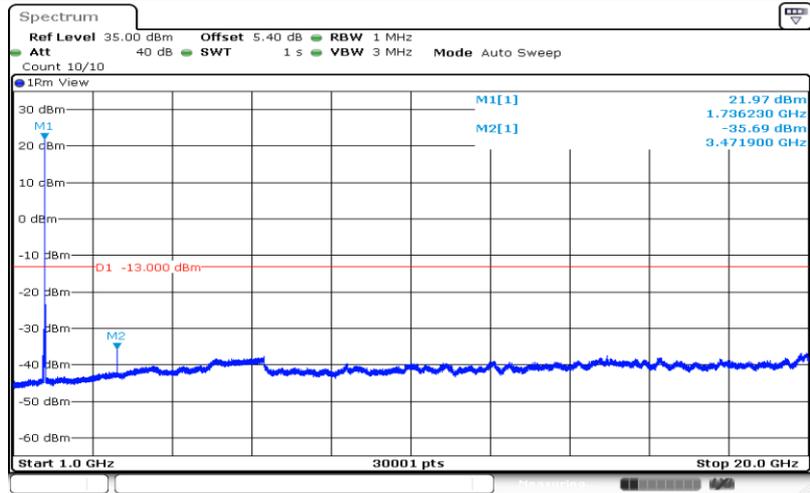
Date: 18.OCT.2019 08:37:16

Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Date: 18.OCT.2019 08:38:11

Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 18.OCT.2019 08:38:27

9. Frequency Stability

9.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-9.60	-0.005581	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	0.40	0.000233	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.50	0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-0.60	-0.000346	±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	-10.80	-0.006189	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-9.50	-0.005444	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	2.40	0.001375	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	1.70	0.000988	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-1.60	-0.000930	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-9.40	-0.005426	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-9.90	-0.005714	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	0.80	0.000458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-9.00	-0.005158	±2.5	PASS

9.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-8.00	-0.004651	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	1.10	0.000640	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	3.30	0.001919	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-4.20	-0.002442	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-9.30	-0.005407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-1.10	-0.000640	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-2.10	-0.001221	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-9.20	-0.005349	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	2.50	0.001443	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-4.80	-0.002771	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-1.60	-0.000924	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-9.70	-0.005599	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	3.40	0.001962	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	3.10	0.001789	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-4.80	-0.002771	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.90	0.001674	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-8.50	-0.004871	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-8.90	-0.005100	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-5.40	-0.003095	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-12.60	-0.007221	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-1.70	-0.000974	±2.5	PASS

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Band4	20MHz	QPSK	20300	100RB#0	NV	50	1.30	0.000745	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-10.60	-0.006163	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-5.80	-0.003372	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	0.40	0.000233	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	5.00	0.002907	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-0.30	-0.000174	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-4.00	-0.002326	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-4.80	-0.002791	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-6.20	-0.003605	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-3.90	-0.002251	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.90	-0.000519	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-5.30	-0.003059	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-3.80	-0.002193	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-4.90	-0.002828	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-4.10	-0.002367	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-7.90	-0.004560	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	6.30	0.003636	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-7.40	-0.004241	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	1.70	0.000974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-10.00	-0.005731	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	1.10	0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	1.90	0.001089	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	4.00	0.002292	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	2.20	0.001261	±2.5	PASS

The End