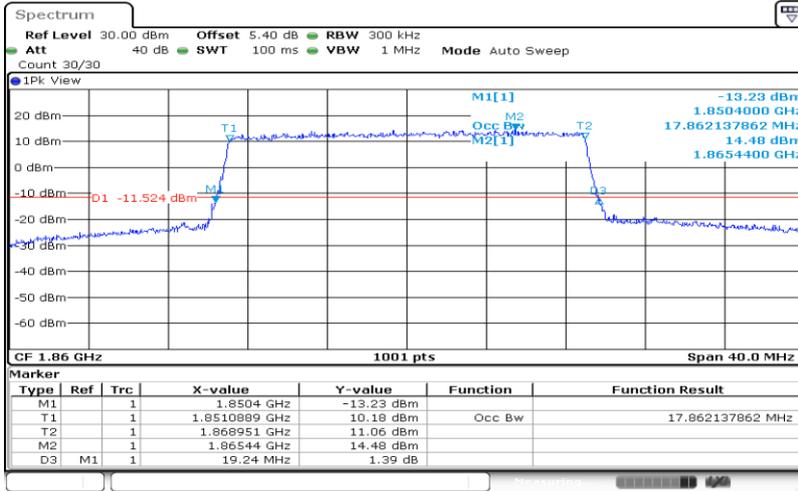
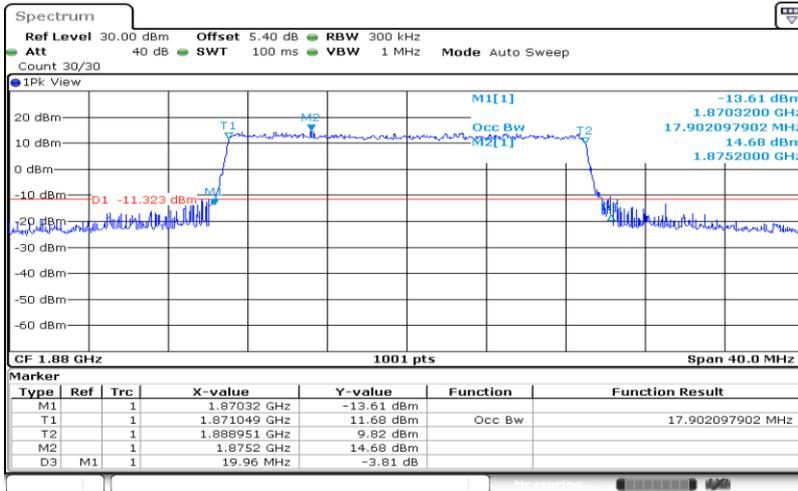


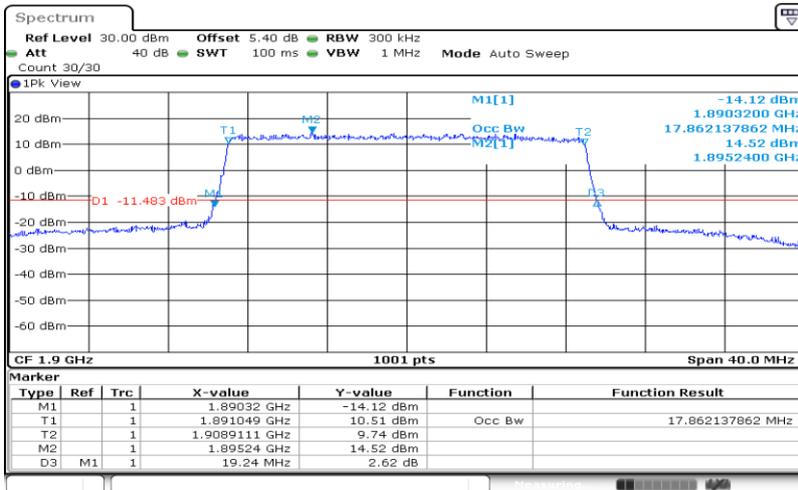
## Band2-20MHz-16QAM-18700-100RB#0-17.862



## Band2-20MHz-16QAM-18900-100RB#0-17.902

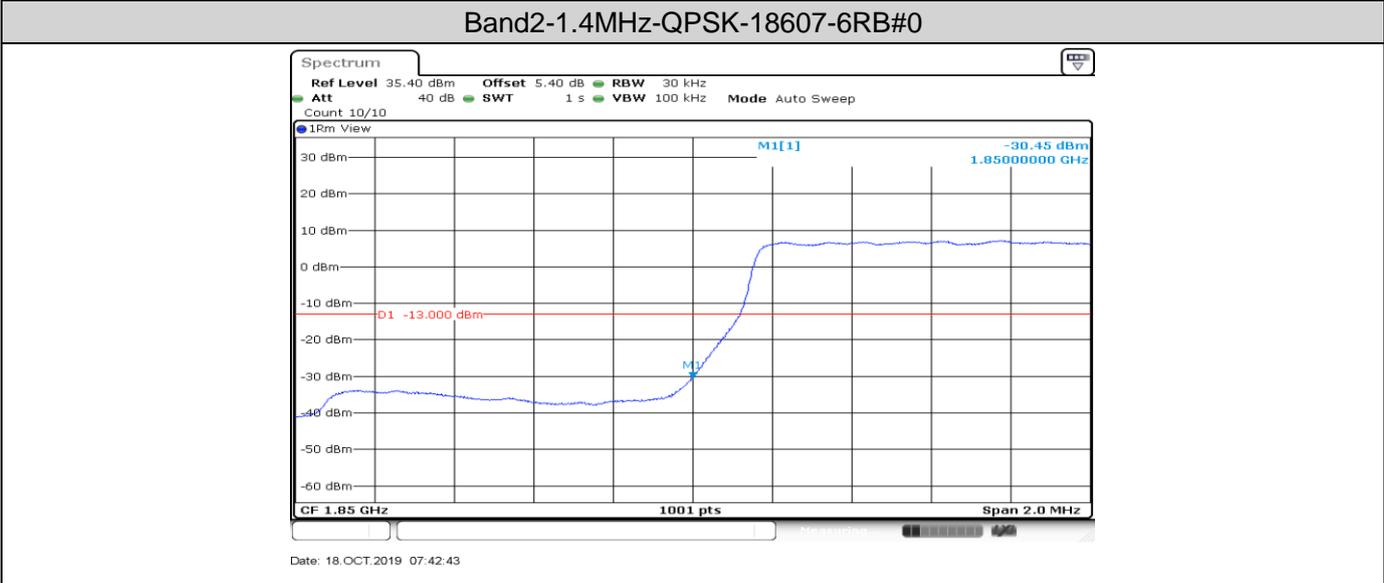
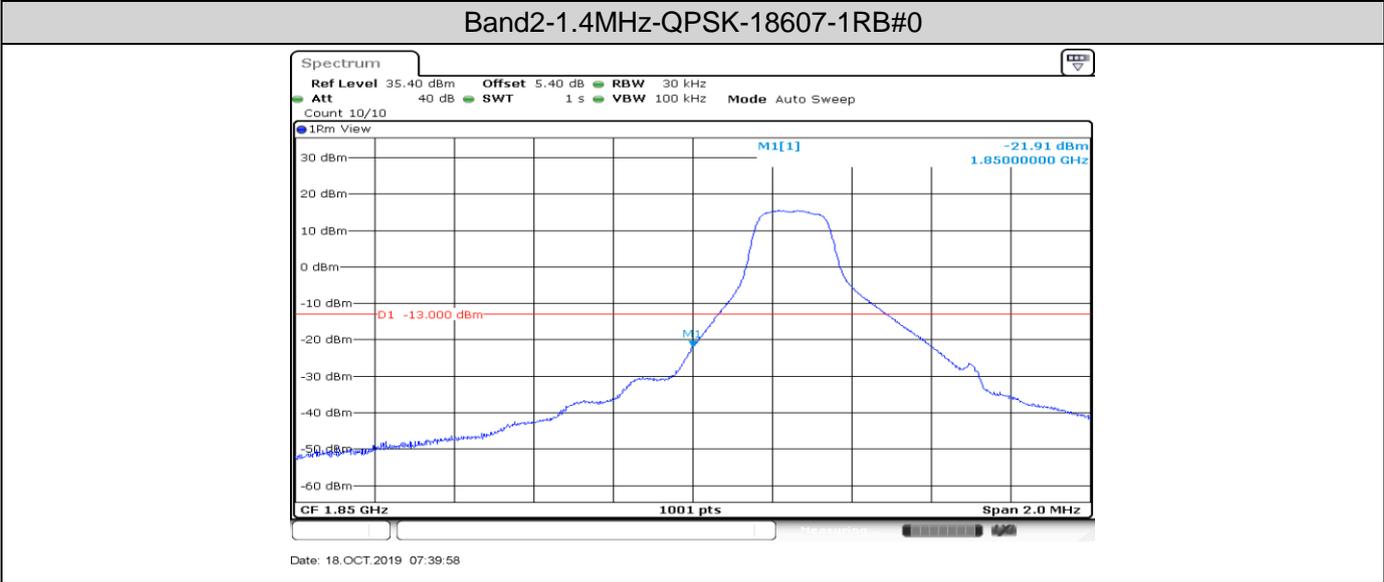


## Band2-20MHz-16QAM-19100-100RB#0-17.862

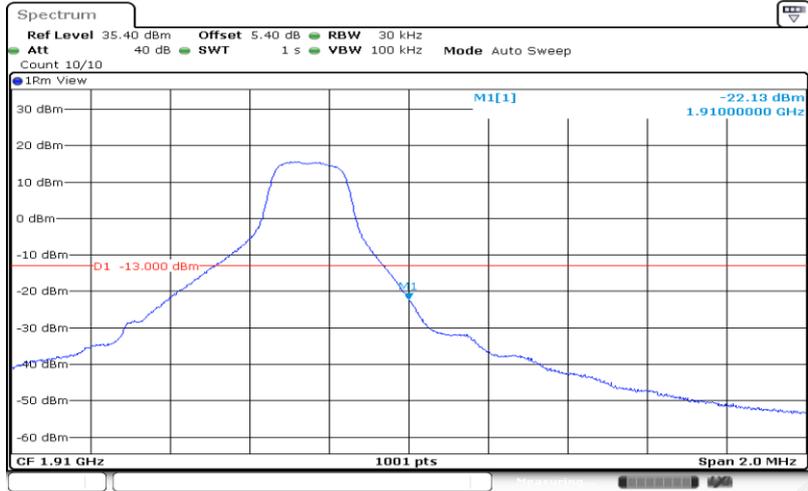


# 7. Band Edge Compliance

## 7.1. Test Plots

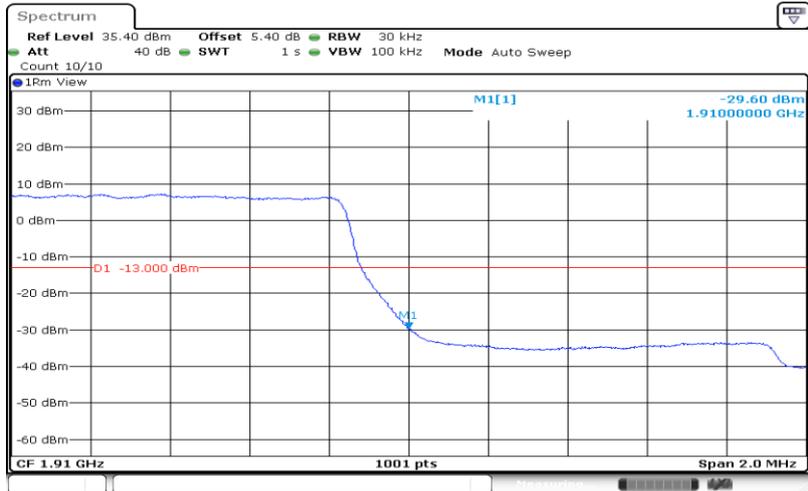


## Band2-1.4MHz-QPSK-19193-1RB#5



Date: 18.OCT.2019 07:41:20

## Band2-1.4MHz-QPSK-19193-6RB#0



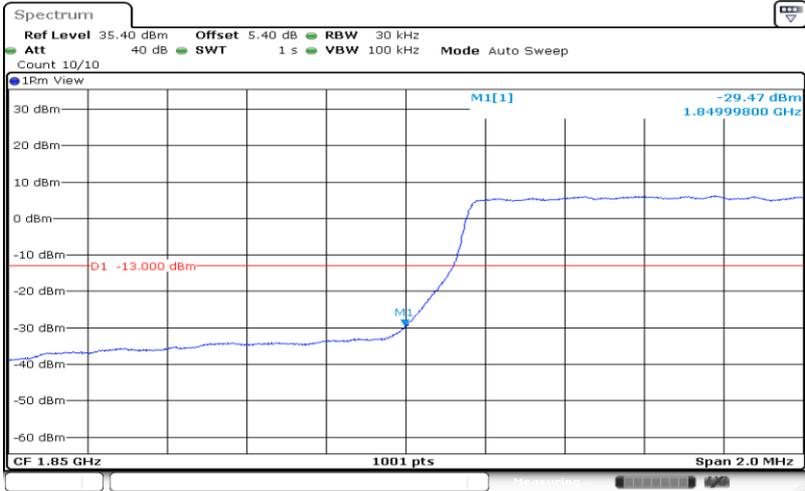
Date: 18.OCT.2019 07:43:22

## Band2-1.4MHz-16QAM-18607-1RB#0



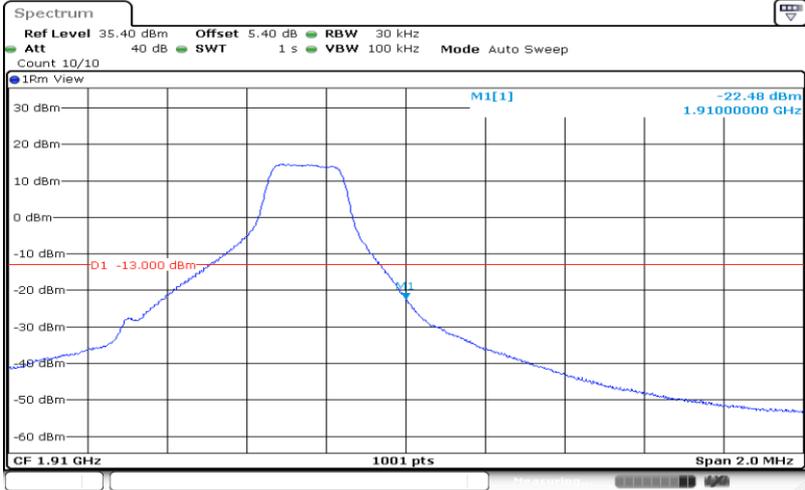
Date: 18.OCT.2019 07:40:18

Band2-1.4MHz-16QAM-18607-6RB#0



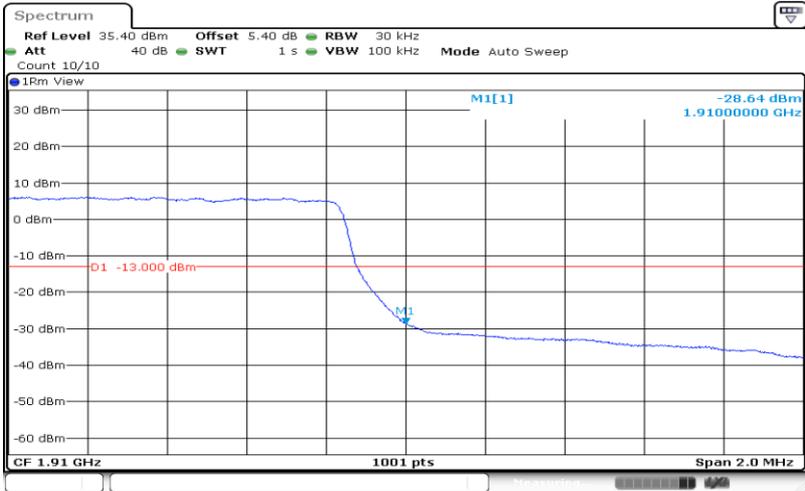
Date: 18.OCT.2019 07:43:02

Band2-1.4MHz-16QAM-19193-1RB#5



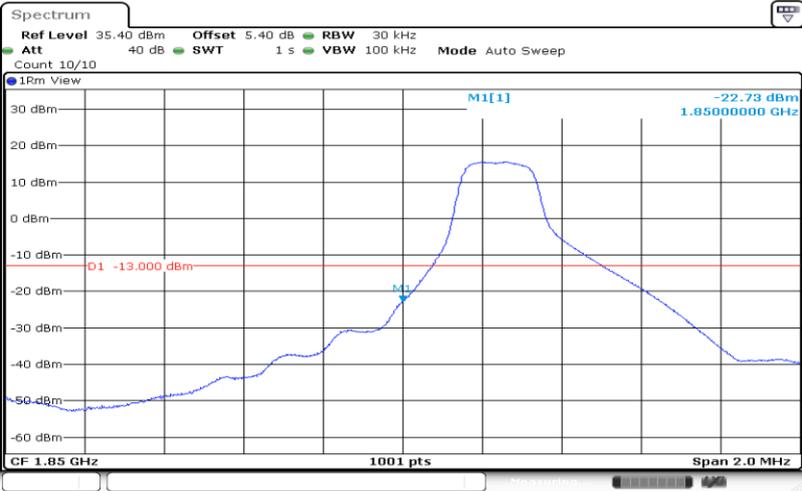
Date: 18.OCT.2019 07:41:40

Band2-1.4MHz-16QAM-19193-6RB#0



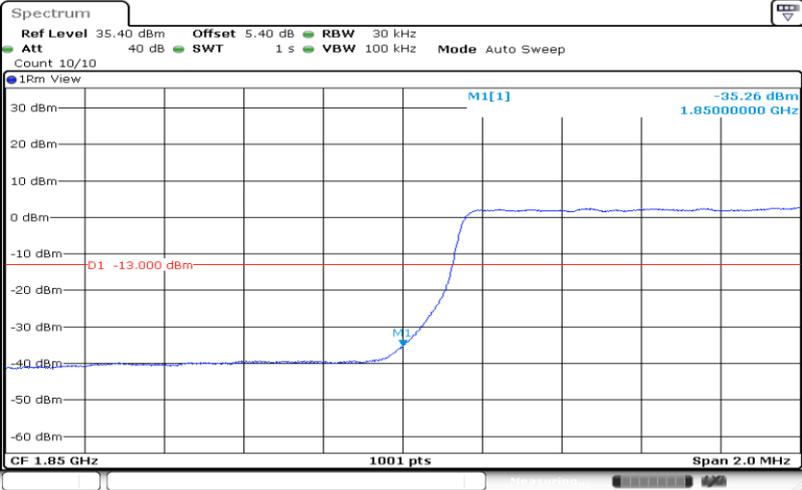
Date: 18.OCT.2019 07:43:42

Band2-3MHz-QPSK-18615-1RB#0



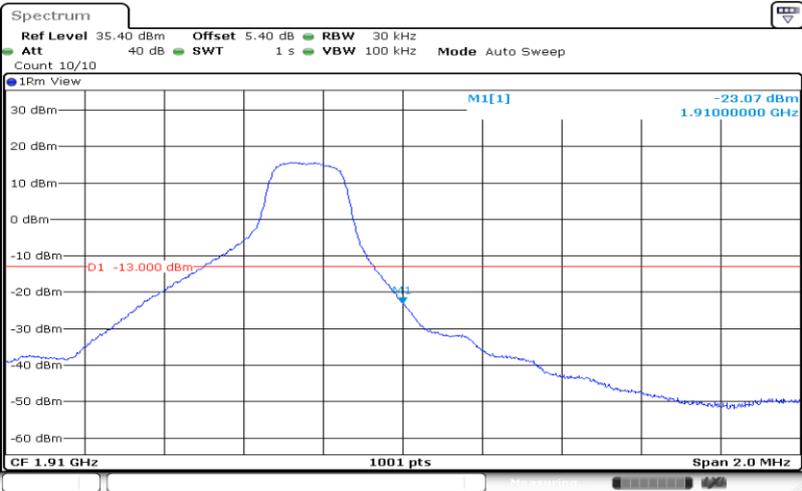
Date: 18.OCT.2019 07:44:06

Band2-3MHz-QPSK-18615-15RB#0



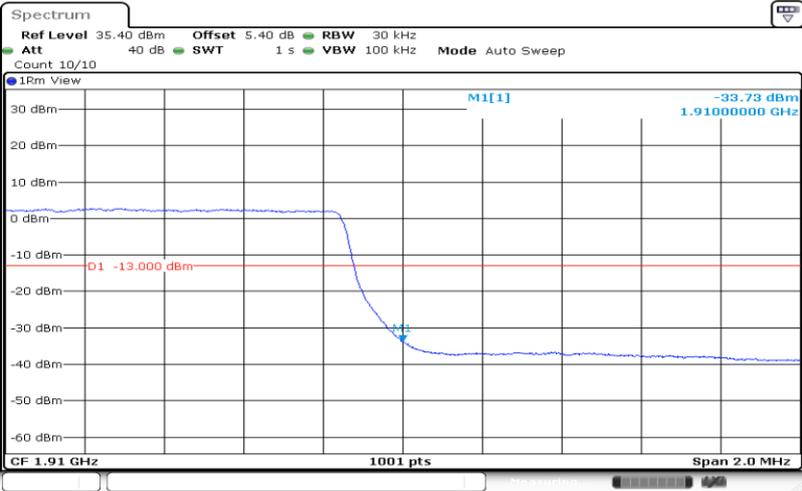
Date: 18.OCT.2019 07:46:51

Band2-3MHz-QPSK-19185-1RB#14



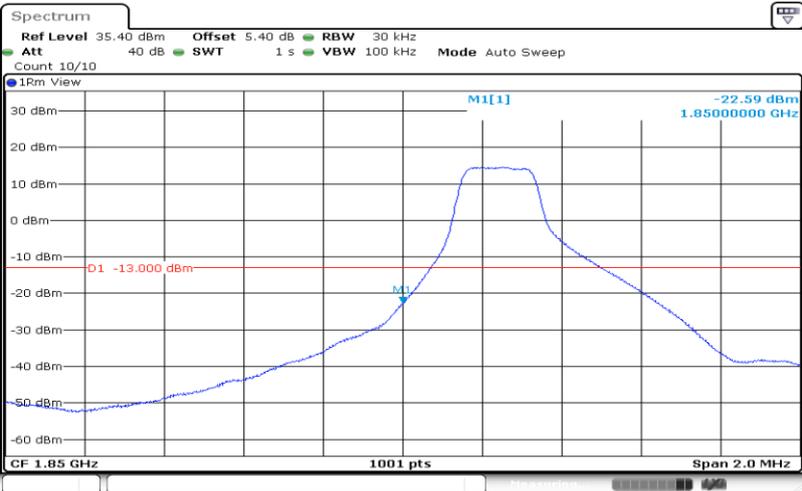
Date: 18.OCT.2019 07:45:29

Band2-3MHz-QPSK-19185-15RB#0



Date: 18.OCT.2019 07:47:32

Band2-3MHz-16QAM-18615-1RB#0



Date: 18.OCT.2019 07:44:26

Band2-3MHz-16QAM-18615-15RB#0



Date: 18.OCT.2019 07:47:11

## Band2-3MHz-16QAM-19185-1RB#14



Date: 18.OCT.2019 07:45:48

## Band2-3MHz-16QAM-19185-15RB#0



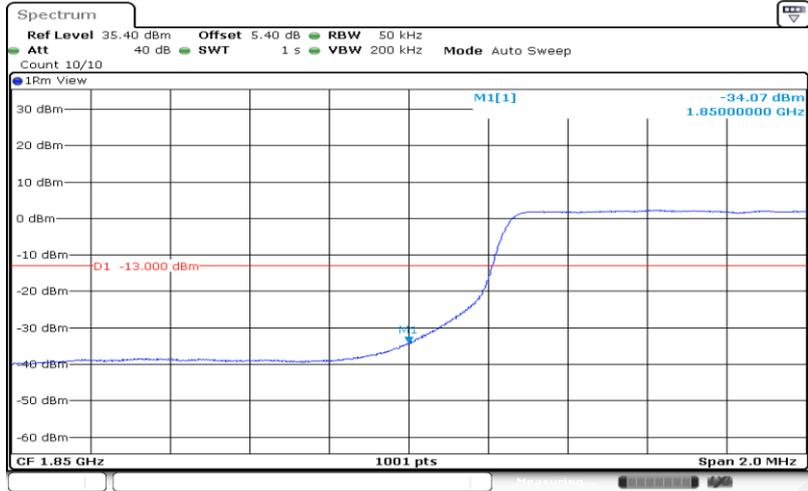
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## Band2-5MHz-QPSK-18625-1RB#0



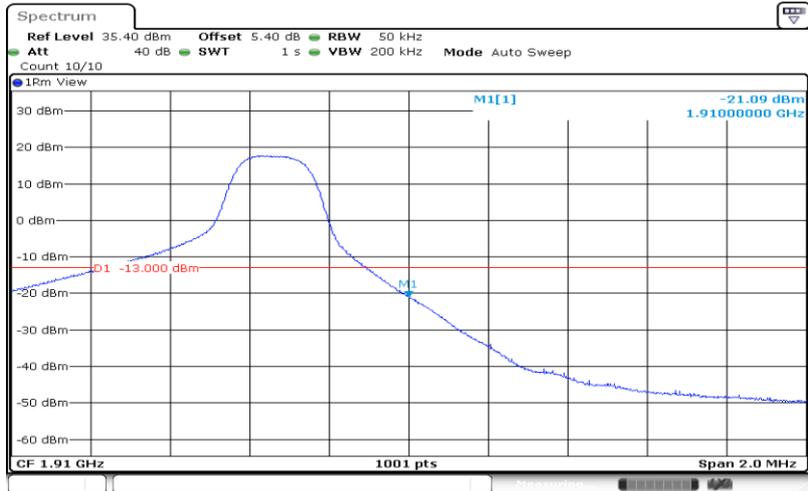
Date: 18.OCT.2019 07:48:16

## Band2-5MHz-QPSK-18625-25RB#0



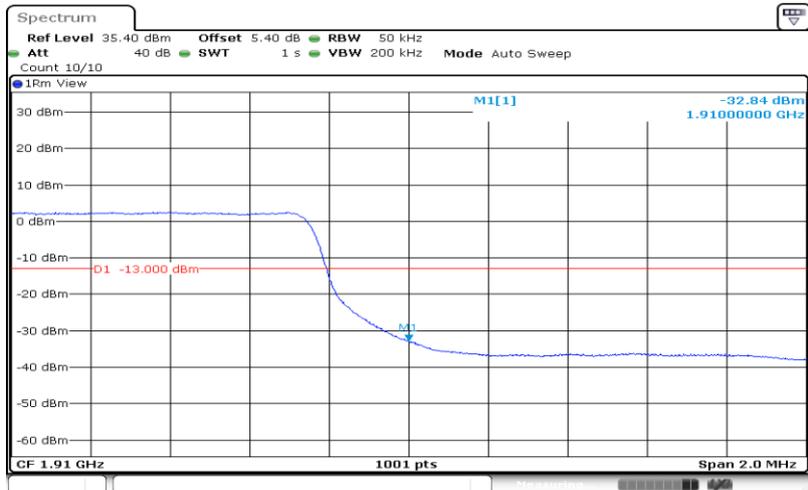
Date: 18.OCT.2019 07:51:01

## Band2-5MHz-QPSK-19175-1RB#24



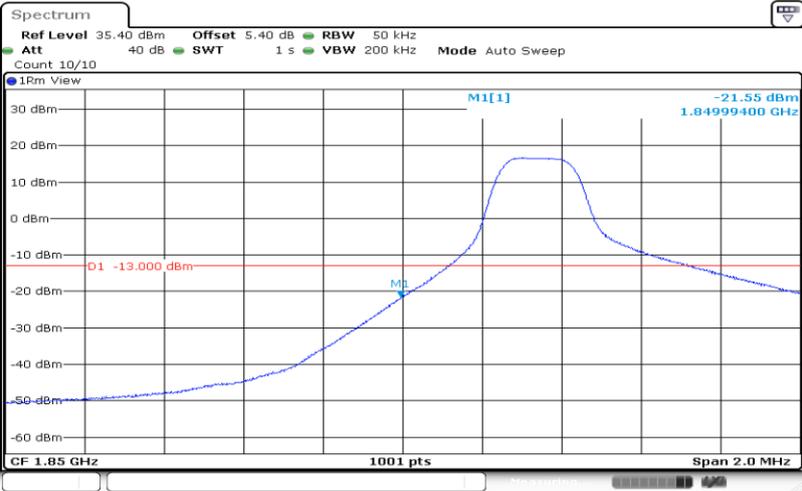
Date: 18.OCT.2019 07:49:38

## Band2-5MHz-QPSK-19175-25RB#0



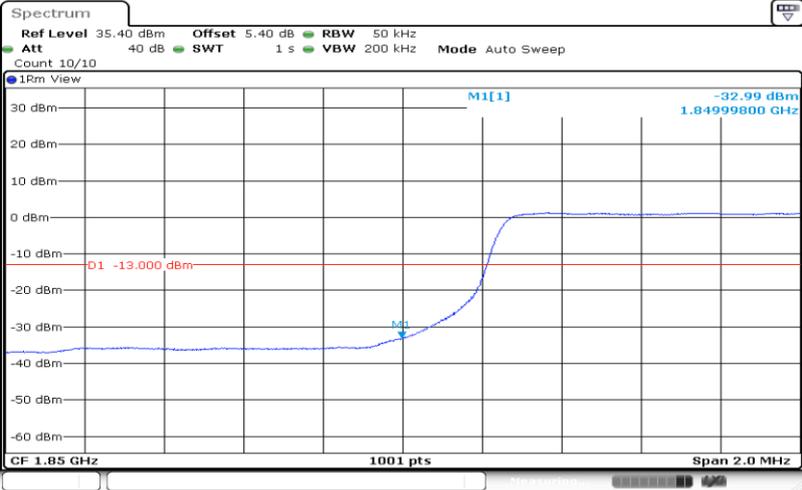
Date: 18.OCT.2019 07:51:40

Band2-5MHz-16QAM-18625-1RB#0



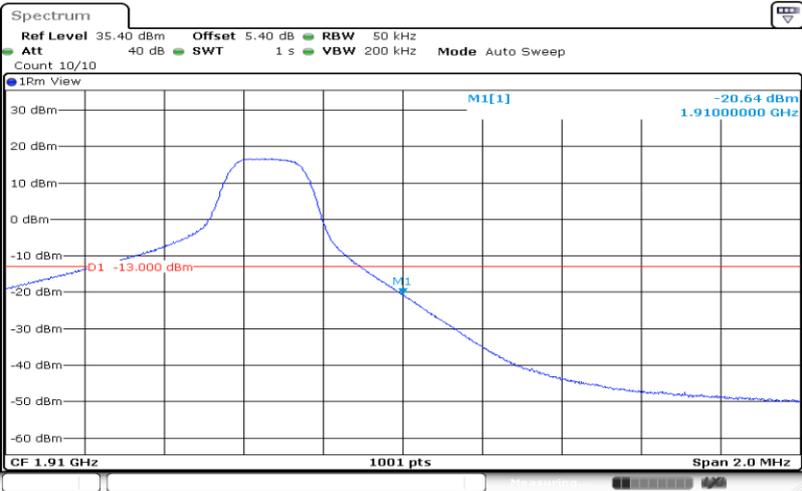
Date: 18.OCT.2019 07:48:35

Band2-5MHz-16QAM-18625-25RB#0



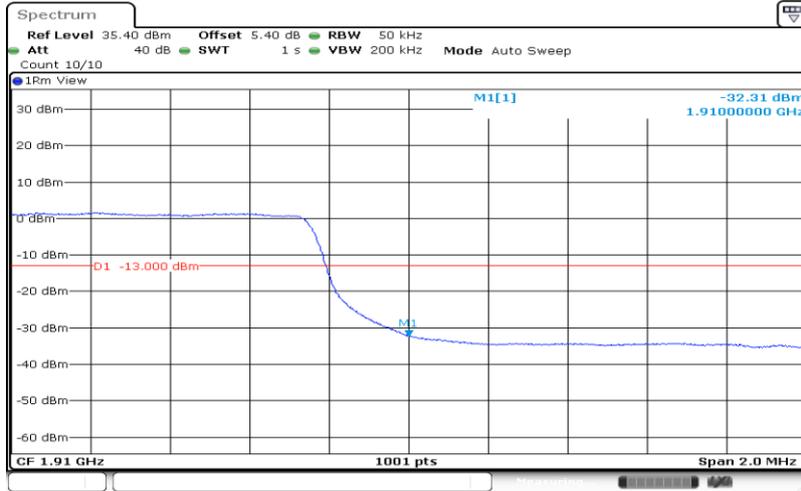
Date: 18.OCT.2019 07:51:20

Band2-5MHz-16QAM-19175-1RB#24



Date: 18.OCT.2019 07:49:58

## Band2-5MHz-16QAM-19175-25RB#0



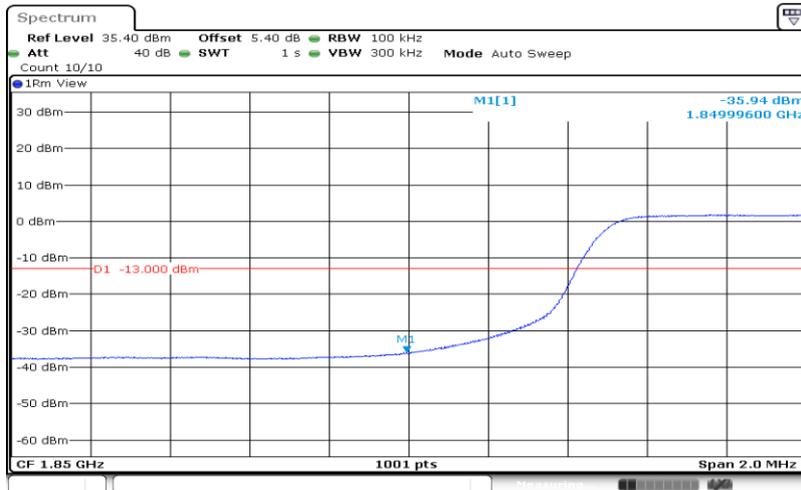
Date: 18.OCT.2019 07:52:00

## Band2-10MHz-QPSK-18650-1RB#0



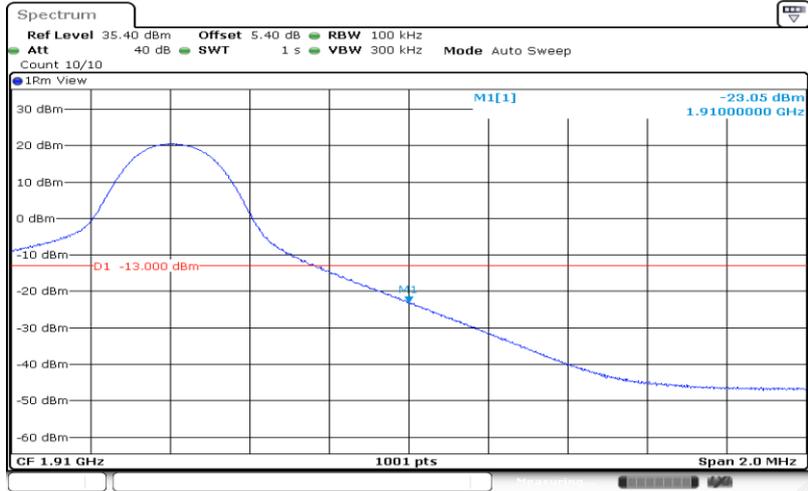
Date: 18.OCT.2019 07:52:24

## Band2-10MHz-QPSK-18650-50RB#0



Date: 18.OCT.2019 07:55:10

## Band2-10MHz-QPSK-19150-1RB#49



Date: 18.OCT.2019 07:53:47

## Band2-10MHz-QPSK-19150-50RB#0



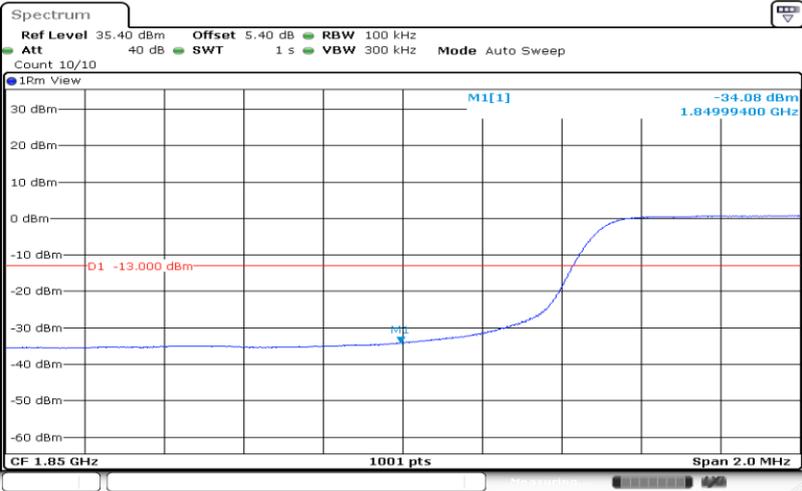
Date: 18.OCT.2019 07:55:49

## Band2-10MHz-16QAM-18650-1RB#0



Date: 18.OCT.2019 07:52:44

Band2-10MHz-16QAM-18650-50RB#0



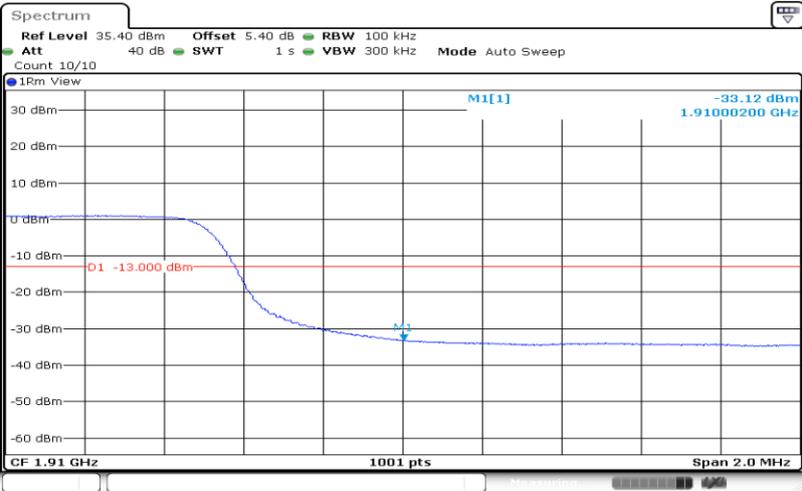
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Band2-10MHz-16QAM-19150-1RB#49



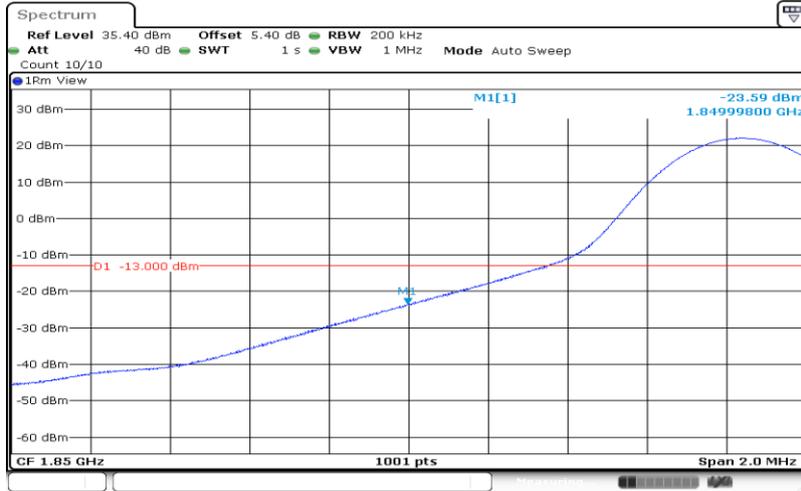
Date: 18.OCT.2019 07:54:06

Band2-10MHz-16QAM-19150-50RB#0



Date: 18.OCT.2019 07:56:08

## Band2-15MHz-QPSK-18675-1RB#0



Date: 18.OCT.2019 07:56:33

## Band2-15MHz-QPSK-18675-75RB#0



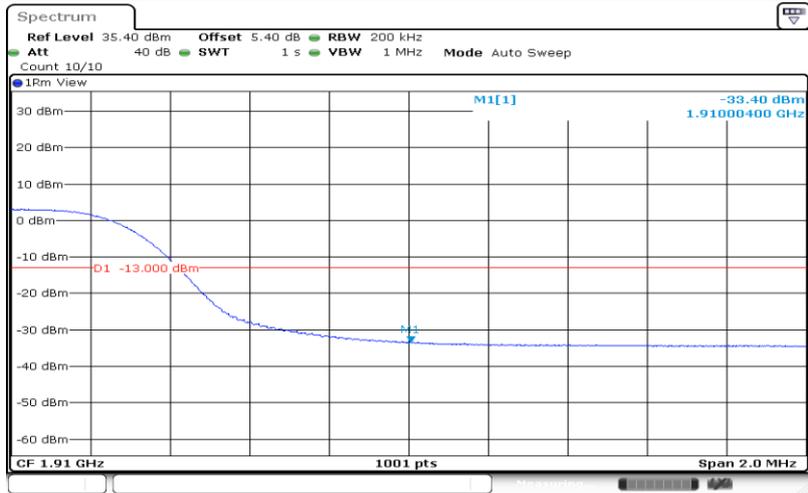
Date: 18.OCT.2019 07:59:19

## Band2-15MHz-QPSK-19125-1RB#74



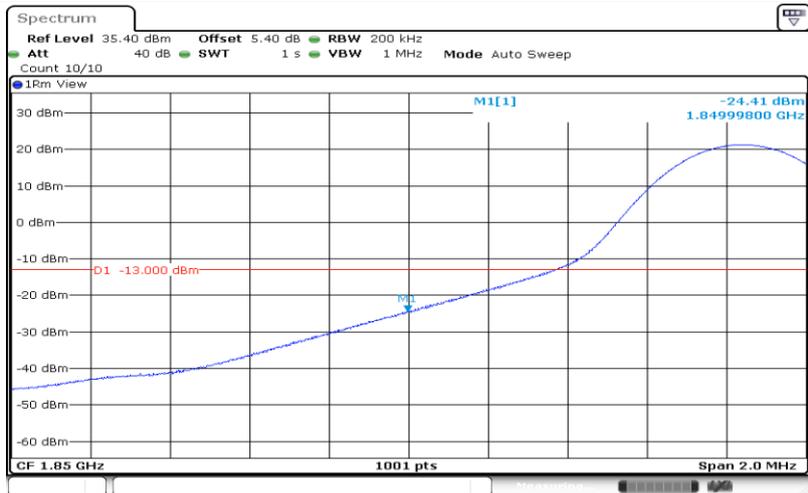
Date: 18.OCT.2019 07:57:57

## Band2-15MHz-QPSK-19125-75RB#0



Date: 18.OCT.2019 07:59:58

## Band2-15MHz-16QAM-18675-1RB#0



Date: 18.OCT.2019 07:56:53

## Band2-15MHz-16QAM-18675-75RB#0



Date: 18.OCT.2019 07:59:38

## Band2-15MHz-16QAM-19125-1RB#74



Date: 18.OCT.2019 07:58:16

## Band2-15MHz-16QAM-19125-75RB#0



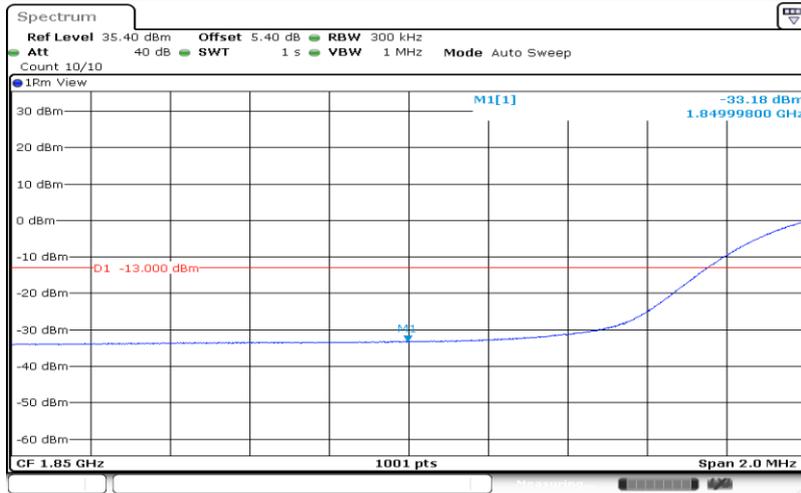
Date: 18.OCT.2019 08:00:16

## Band2-20MHz-QPSK-18700-1RB#0



Date: 18.OCT.2019 08:00:43

## Band2-20MHz-QPSK-18700-100RB#0



Date: 18.OCT.2019 08:03:29

## Band2-20MHz-QPSK-19100-1RB#99



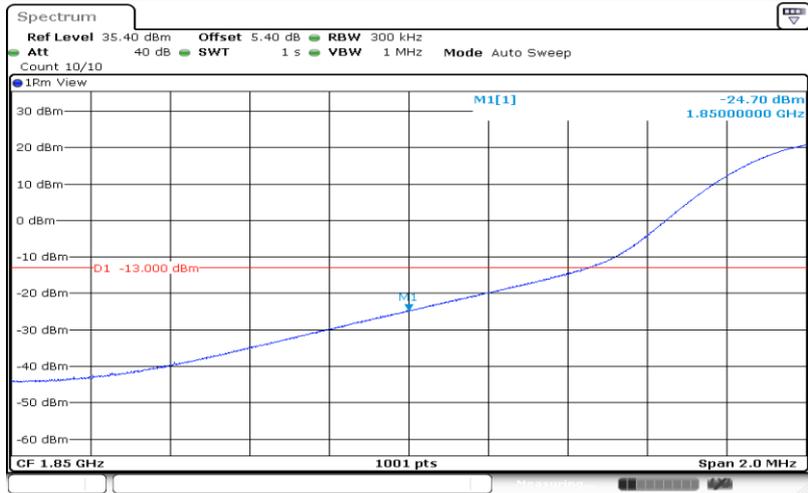
Date: 18.OCT.2019 08:02:06

## Band2-20MHz-QPSK-19100-100RB#0



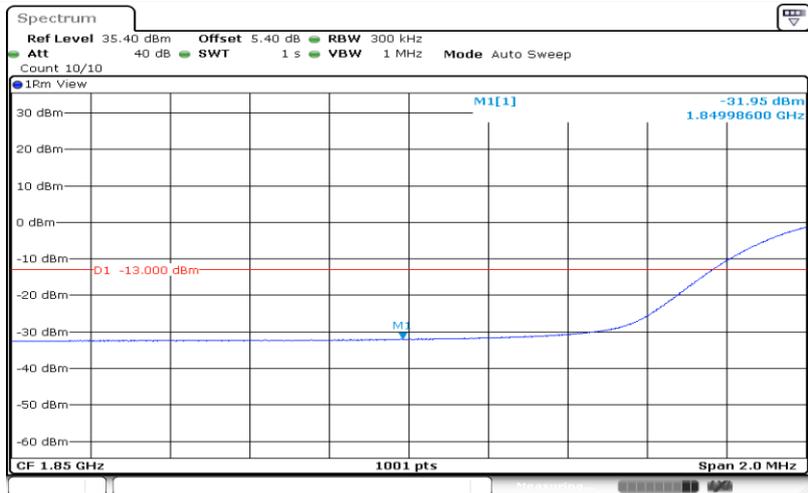
Date: 18.OCT.2019 08:04:08

## Band2-20MHz-16QAM-18700-1RB#0



Date: 18.OCT.2019 08:01:02

## Band2-20MHz-16QAM-18700-100RB#0



Date: 18.OCT.2019 08:03:49

## Band2-20MHz-16QAM-19100-1RB#99



Date: 18.OCT.2019 08:02:26

## Band2-20MHz-16QAM-19100-100RB#0



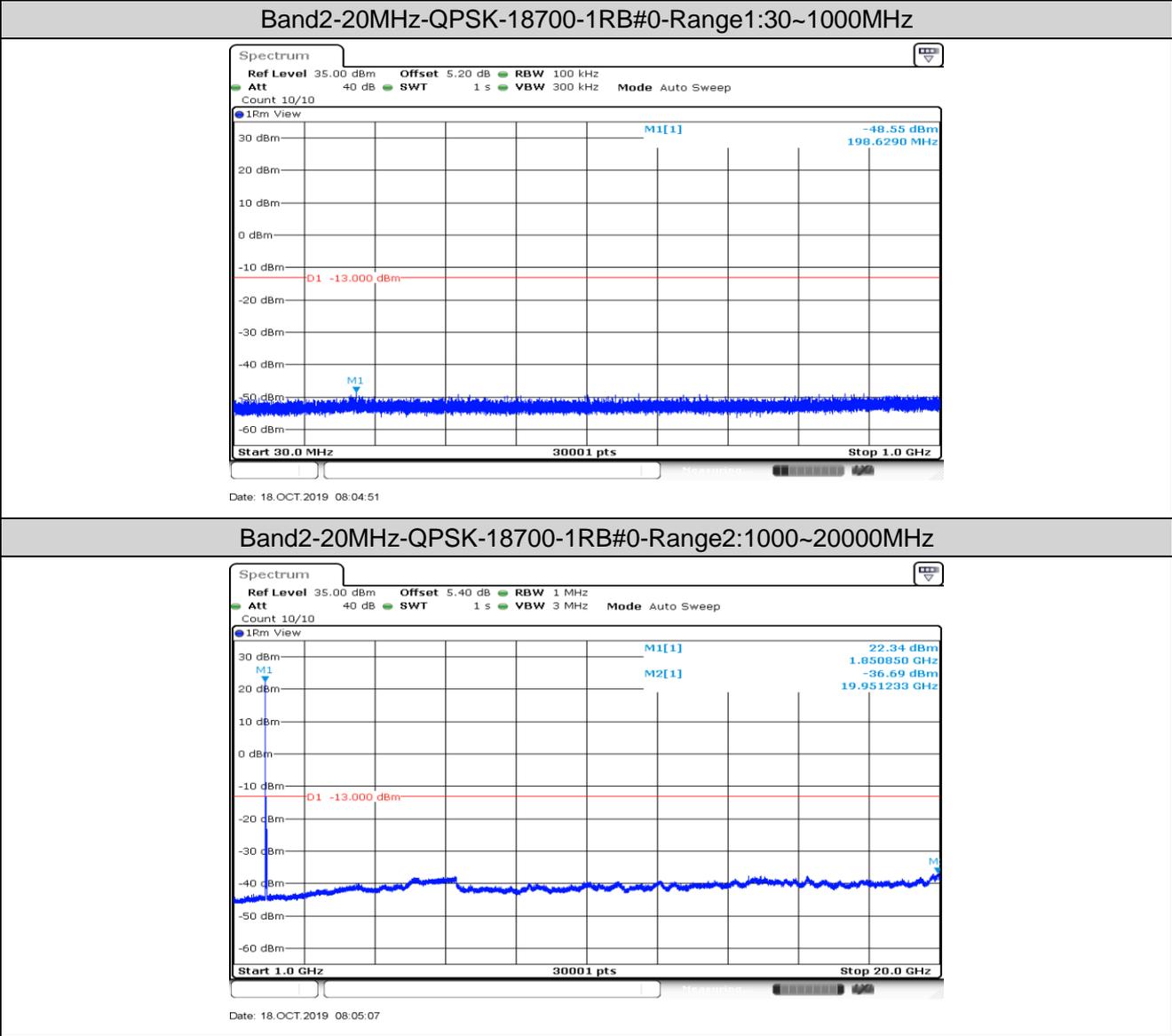
Date: 18.OCT.2019 08:04:28

### 8. Spurious Emission at Antenna Terminal

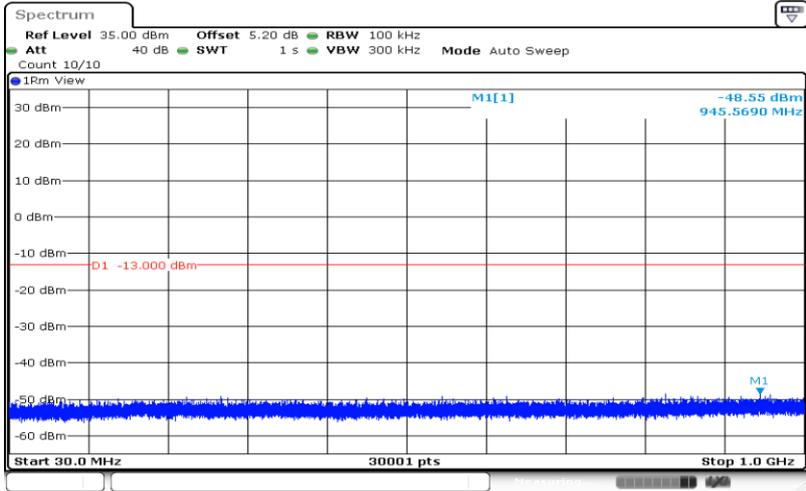
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k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

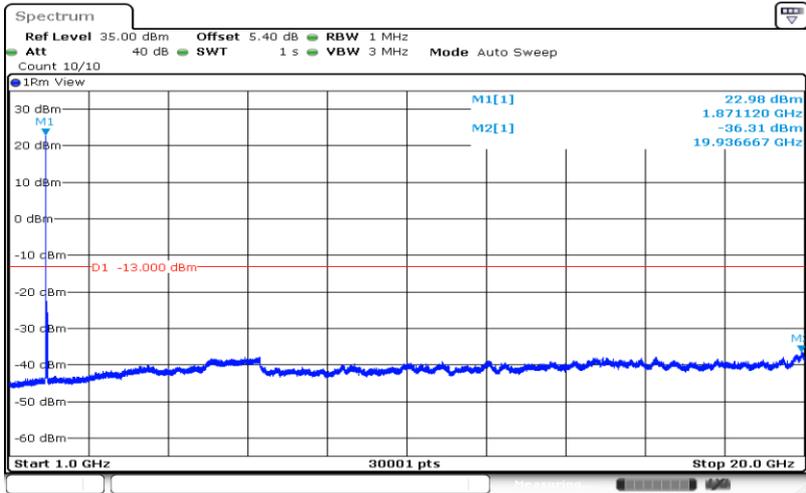


## Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



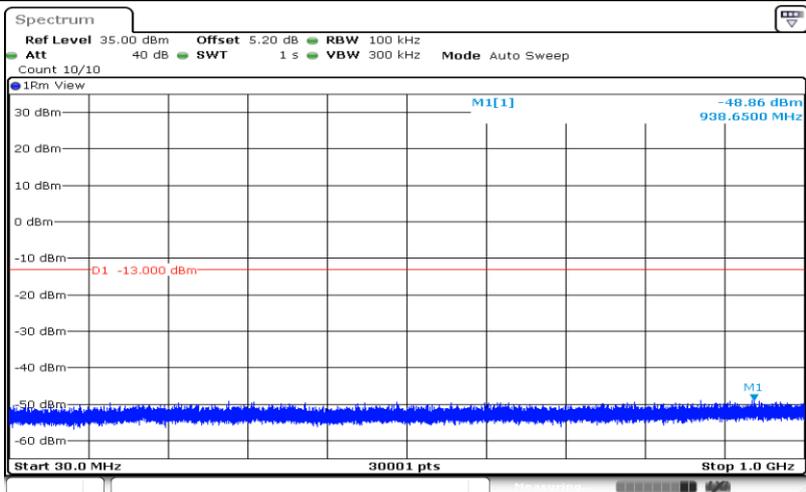
Date: 18.OCT.2019 08:06:02

## Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



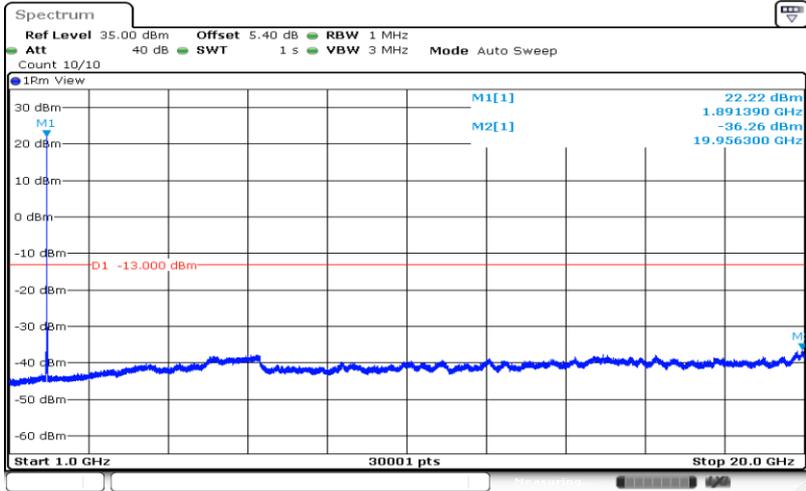
Date: 18.OCT.2019 08:06:18

## Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



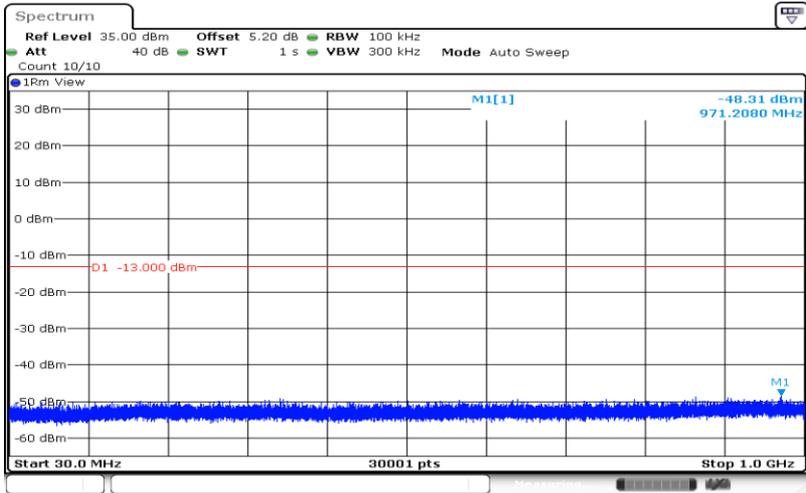
Date: 18.OCT.2019 08:07:12

## Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



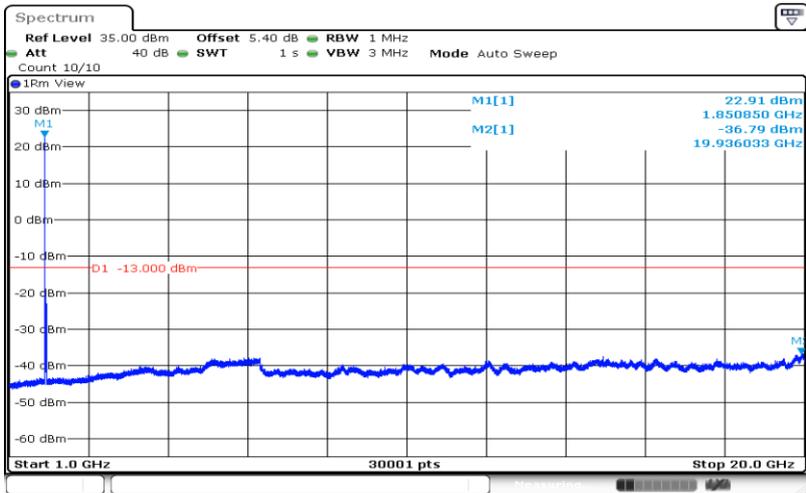
Date: 18.OCT.2019 08:07:29

## Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



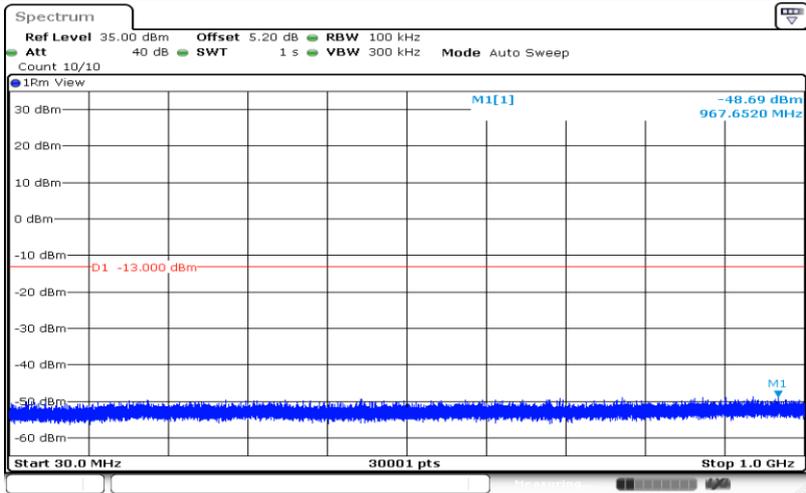
Date: 18.OCT.2019 08:05:26

## Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



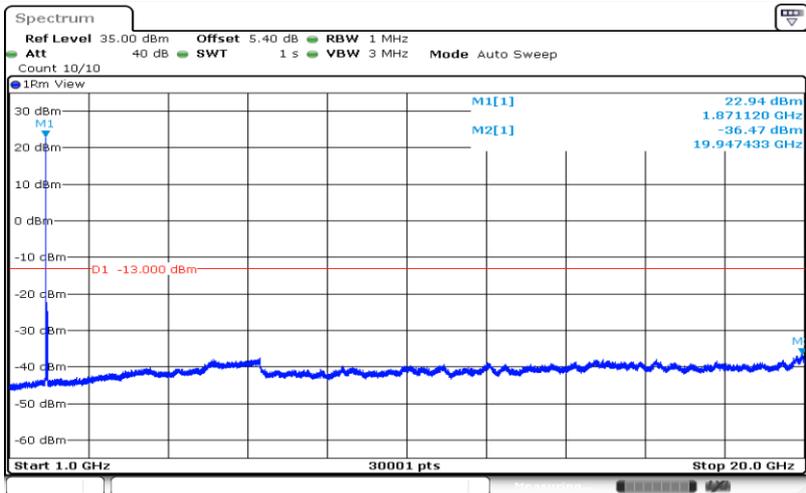
Date: 18.OCT.2019 08:05:43

## Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



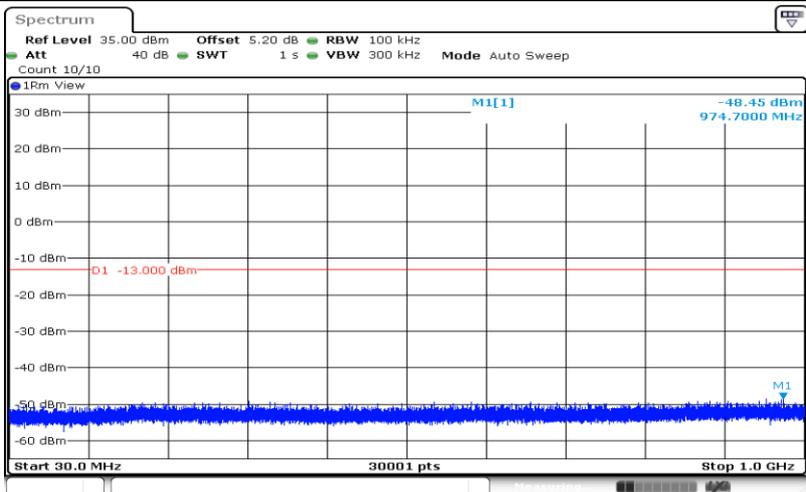
Date: 18.OCT.2019 08:06:37

## Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



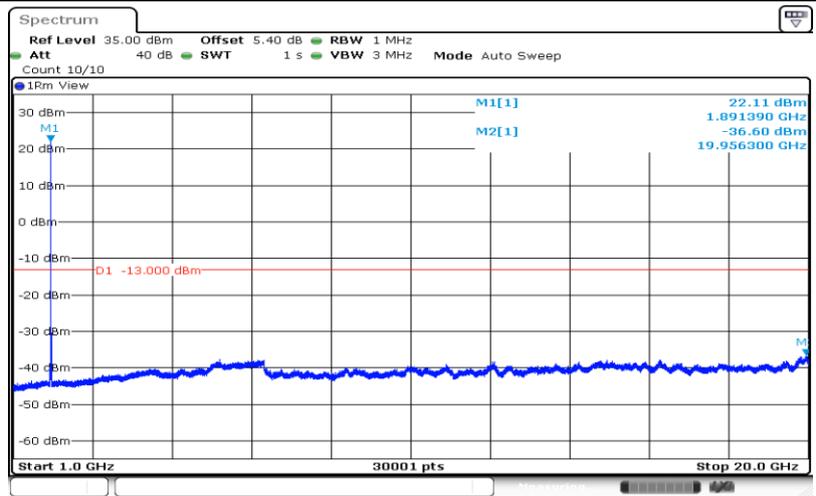
Date: 18.OCT.2019 08:06:53

## Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



Date: 18.OCT.2019 08:07:47

## Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



Date: 18.OCT.2019 08:08:04

## 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
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-10.60	-0.005699	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-14.60	-0.007849	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-12.10	-0.006505	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-9.70	-0.005160	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-14.30	-0.007606	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-11.50	-0.006117	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	8.80	0.004632	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-13.50	-0.007105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	1.00	0.000526	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-17.70	-0.009516	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-4.80	-0.002581	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-12.50	-0.006649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-16.00	-0.008511	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	0.70	0.000372	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	1.90	0.001000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	1.10	0.000579	±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
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-10.10	-0.005430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-4.70	-0.002527	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-8.50	-0.004570	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	7.10	0.003817	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-3.00	-0.001613	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.80	0.000430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-14.40	-0.007742	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	0.80	0.000426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-9.00	-0.004787	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-8.00	-0.004255	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-13.50	-0.007181	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-14.70	-0.007819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-14.70	-0.007819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.50	-0.000266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.50	-0.000798	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-7.20	-0.003789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	7.00	0.003684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	6.40	0.003368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-9.50	-0.005000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.80	-0.005158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	1.50	0.000789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-7.10	-0.003737	±2.5	PASS

# JianYan Testing Group Shenzhen Co., Ltd.

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Band2	20MHz	QPSK	19100	100RB#0	NV	50	-13.40	-0.007053	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-8.80	-0.004731	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	0.30	0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-8.70	-0.004677	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-9.00	-0.004839	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-18.90	-0.010161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-1.70	-0.000914	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-0.30	-0.000161	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-14.90	-0.007926	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-14.50	-0.007713	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-1.00	-0.000532	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	0.50	0.000266	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-9.40	-0.005000	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	5.40	0.002872	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-13.40	-0.007128	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-16.00	-0.008421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-10.20	-0.005368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-13.20	-0.006947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	5.00	0.002632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-15.20	-0.008000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.60	-0.001895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-10.80	-0.005684	±2.5	PASS

The End