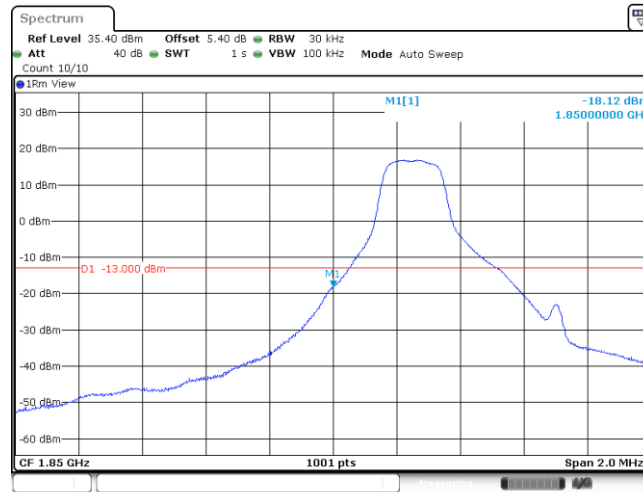


7. Band Edge Compliance

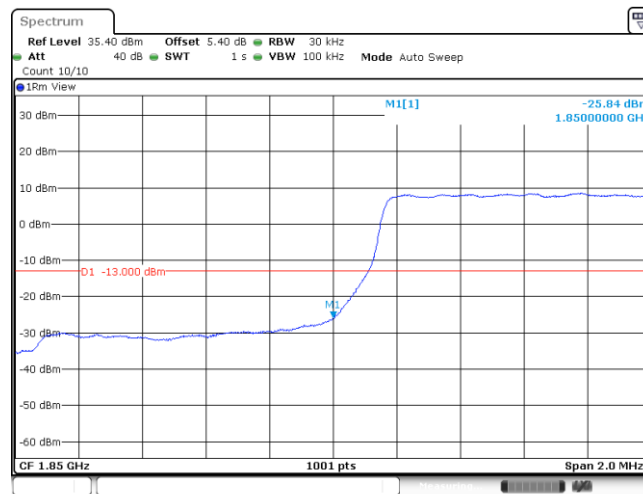
7.1. Test Plots

Band2_1.4MHz_QPSK_18607_1RB#0



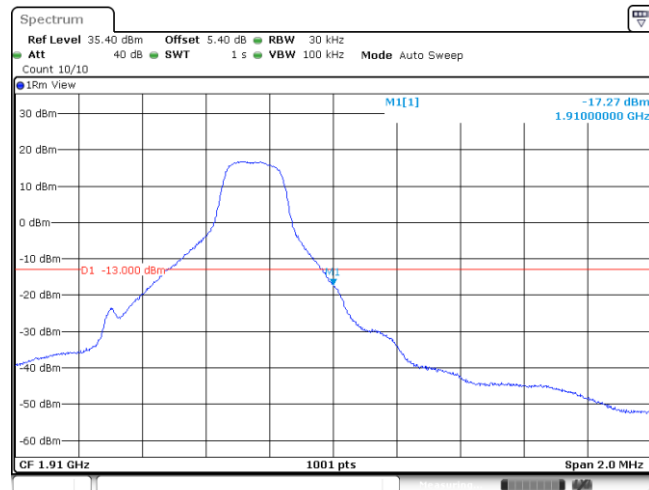
Date: 11 AUG 2019 02:39:03

Band2_1.4MHz_QPSK_18607_6RB#0



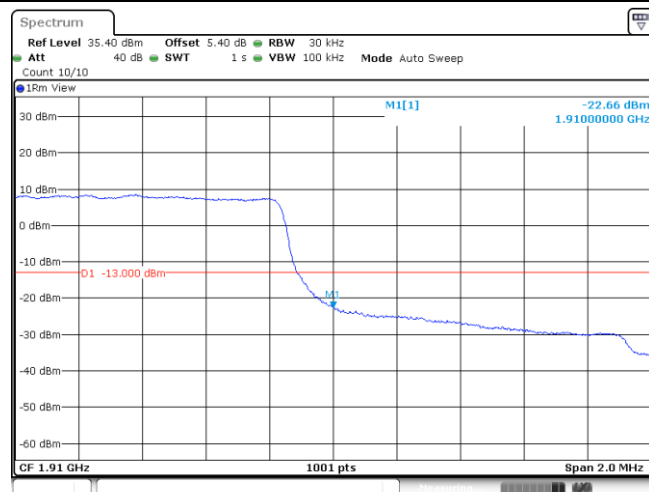
Date: 11 AUG 2019 02:40:30

Band2_1.4MHz_QPSK_19193_1RB#5



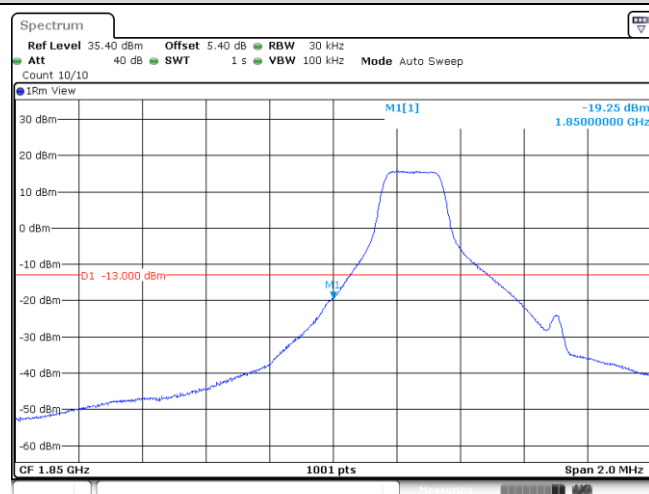
Date: 11 AUG. 2019 02:39:47

Band2_1.4MHz_QPSK_19193_6RB#0



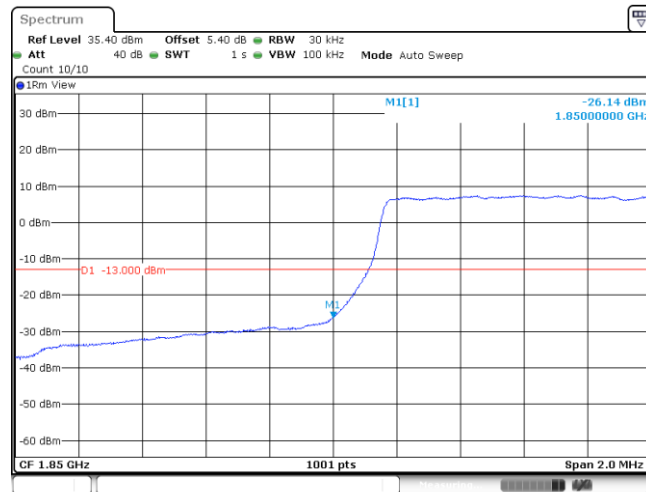
Date: 11 AUG. 2019 02:41:09

Band2_1.4MHz_16QAM_18607_1RB#0



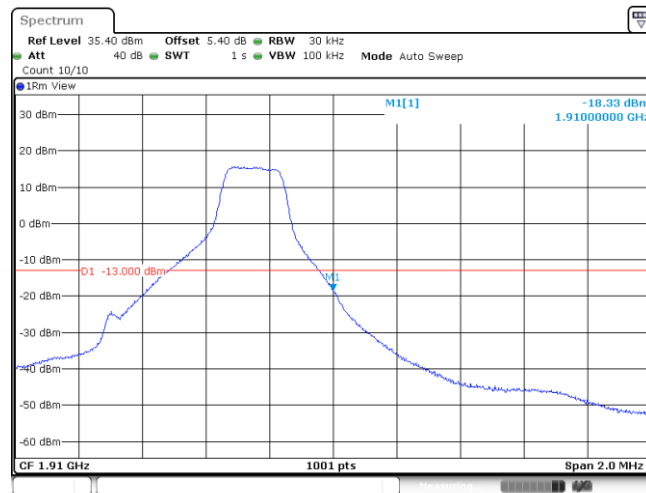
Date: 11 AUG. 2019 02:39:23

Band2_1.4MHz_16QAM_18607_6RB#0



Date: 11 AUG.2019 02:40:50

Band2_1.4MHz_16QAM_19193_1RB#5



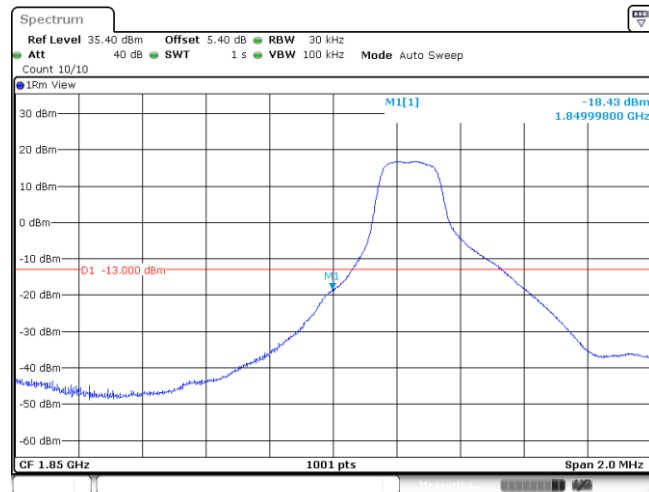
Date: 11 AUG.2019 02:40:06

Band2_1.4MHz_16QAM_19193_6RB#0



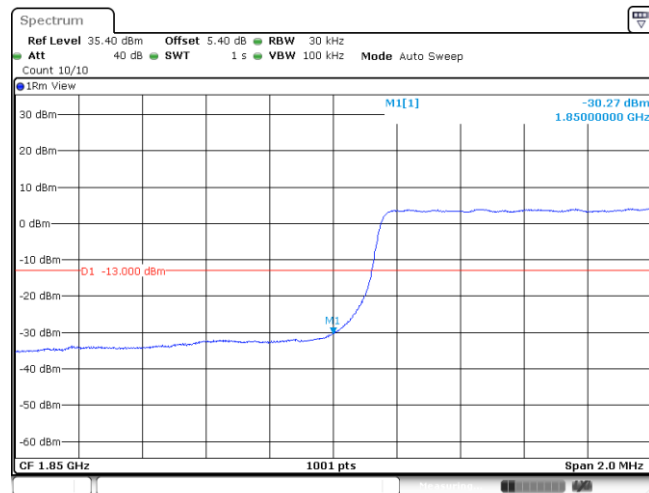
Date: 11 AUG.2019 02:41:29

Band2_3MHz_QPSK_18615_1RB#0



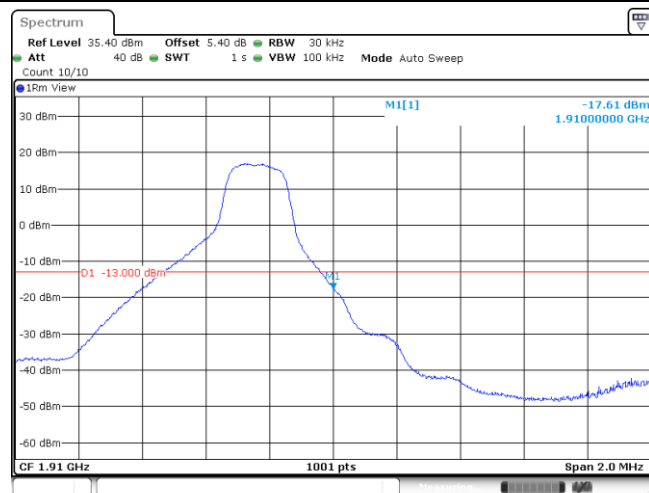
Date: 11 AUG.2019 02:41:54

Band2_3MHz_QPSK_18615_15RB#0



Date: 11 AUG.2019 02:43:21

Band2_3MHz_QPSK_19185_1RB#14



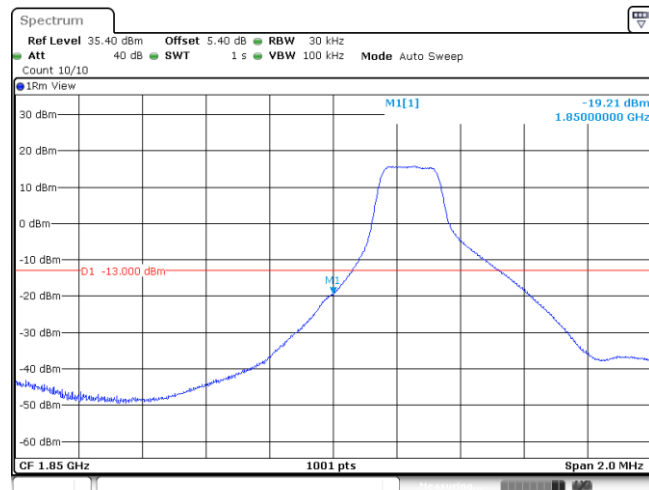
Date: 11 AUG.2019 02:42:38

Band2_3MHz_QPSK_19185_15RB#0



Date: 11 AUG.2019 02:44:01

Band2_3MHz_16QAM_18615_1RB#0



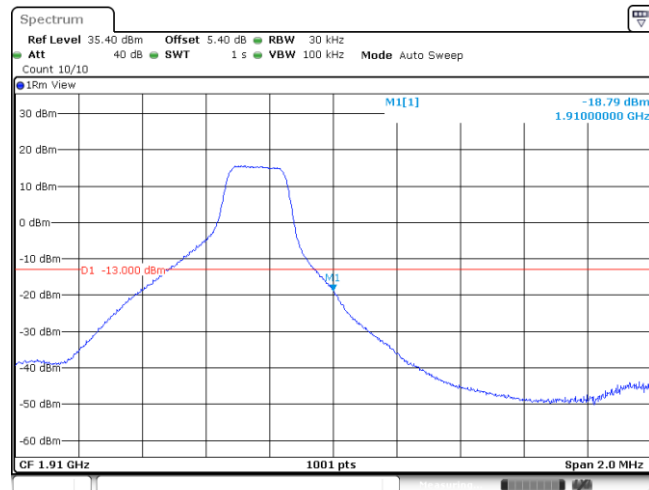
Date: 11 AUG.2019 02:42:13

Band2_3MHz_16QAM_18615_15RB#0



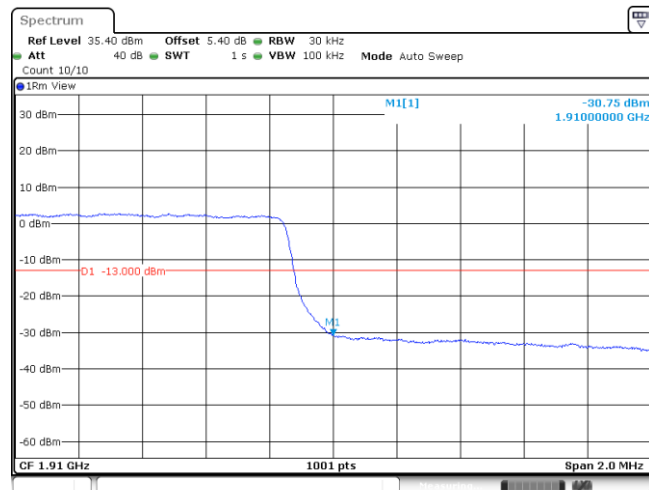
Date: 11 AUG.2019 02:43:41

Band2_3MHz_16QAM_19185_1RB#14



Date: 11 AUG.2019 02:42:57

Band2_3MHz_16QAM_19185_15RB#0



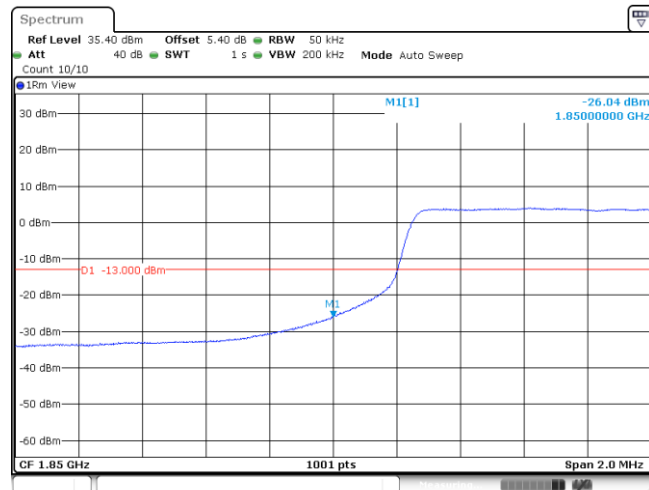
Date: 11 AUG.2019 02:44:20

Band2_5MHz_QPSK_18625_1RB#0



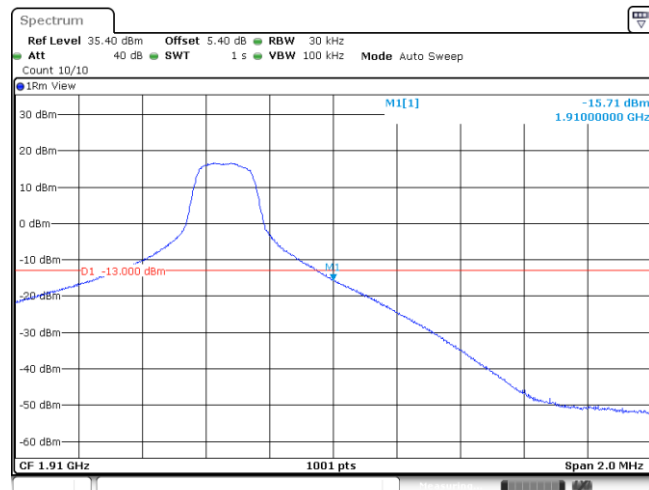
Date: 11 AUG.2019 02:44:45

Band2_5MHz_QPSK_18625_25RB#0



Date: 11 AUG.2019 02:46:13

Band2_5MHz_QPSK_19175_1RB#24



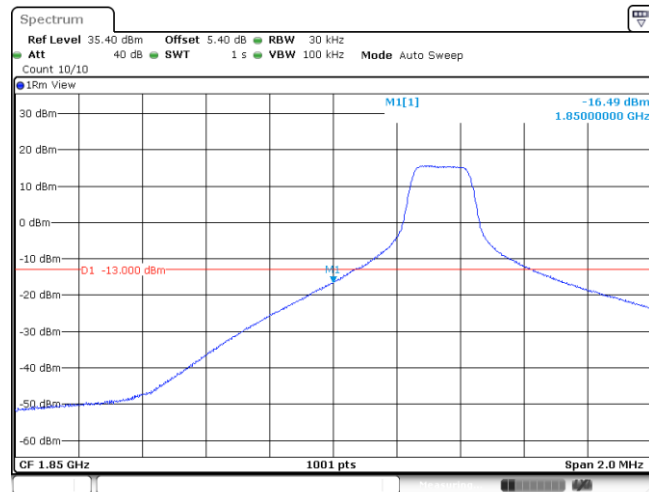
Date: 11 AUG.2019 02:45:29

Band2_5MHz_QPSK_19175_25RB#0



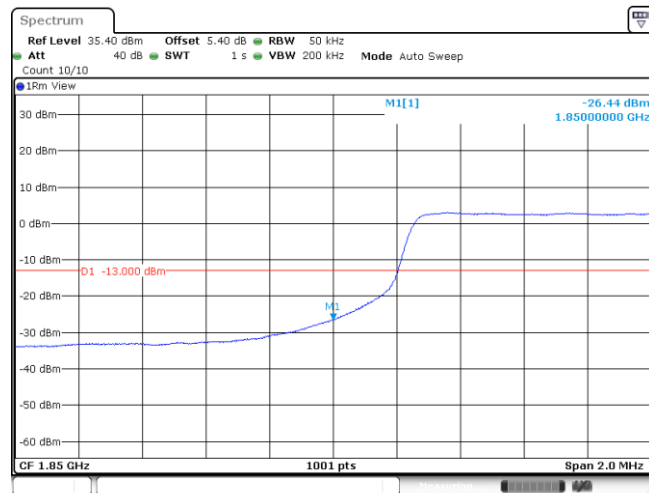
Date: 11 AUG.2019 02:46:53

Band2_5MHz_16QAM_18625_1RB#0



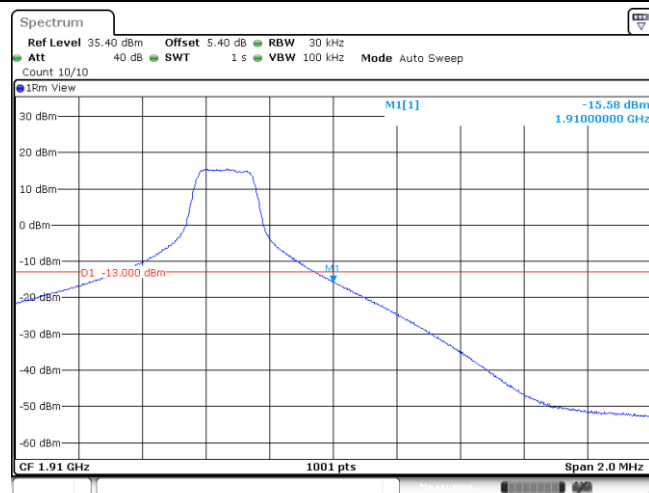
Date: 11 AUG.2019 02:45:05

Band2_5MHz_16QAM_18625_25RB#0



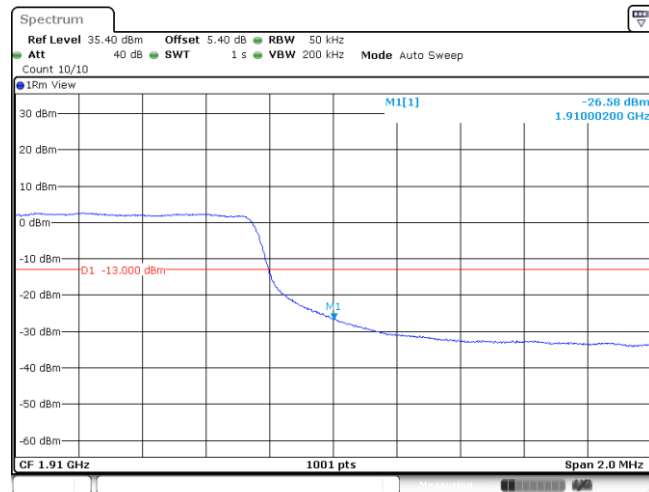
Date: 11 AUG.2019 02:46:33

Band2_5MHz_16QAM_19175_1RB#24



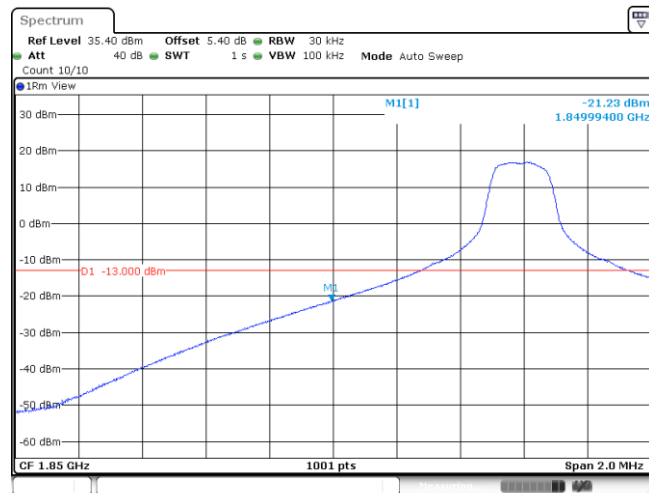
Date: 11 AUG.2019 02:45:49

Band2_5MHz_16QAM_19175_25RB#0



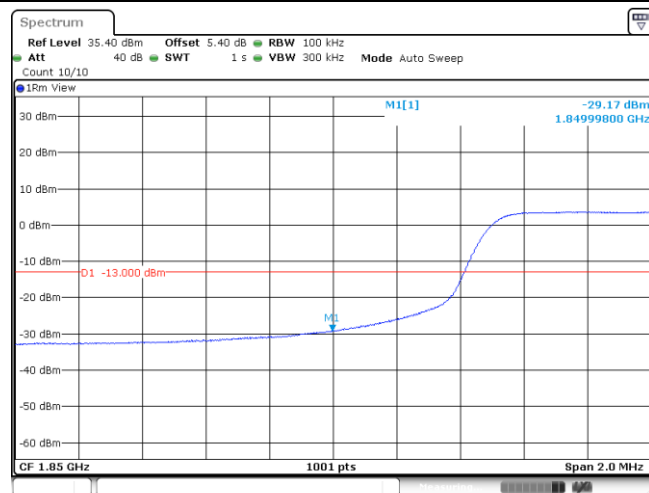
Date: 11 AUG.2019 02:47:12

Band2_10MHz_QPSK_18650_1RB#0



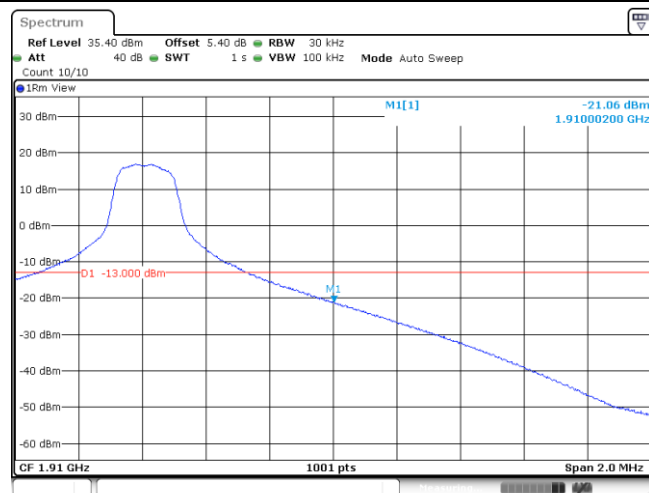
Date: 11 AUG.2019 02:47:37

Band2_10MHz_QPSK_18650_50RB#0



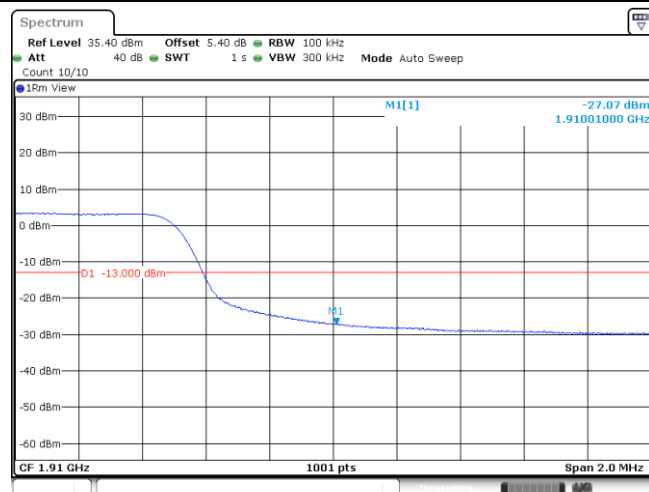
Date: 11 AUG.2019 02:49:04

Band2_10MHz_QPSK_19150_1RB#49



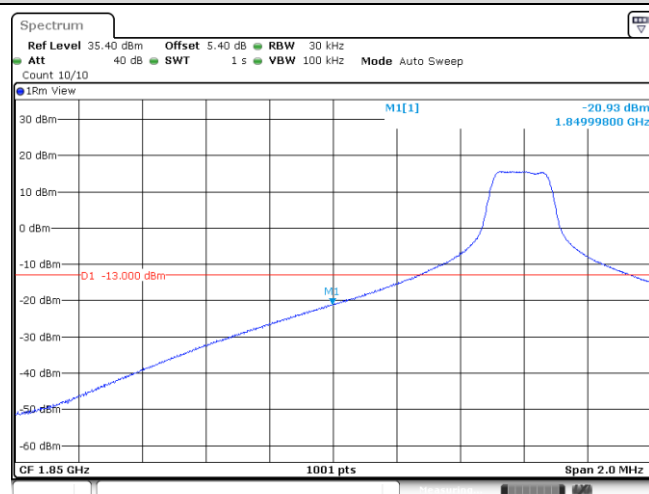
Date: 11 AUG.2019 02:48:21

Band2_10MHz_QPSK_19150_50RB#0



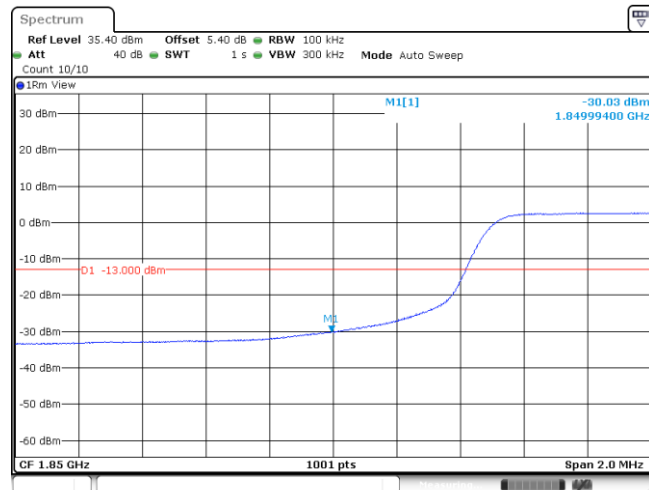
Date: 11 AUG.2019 02:49:44

Band2_10MHz_16QAM_18650_1RB#0



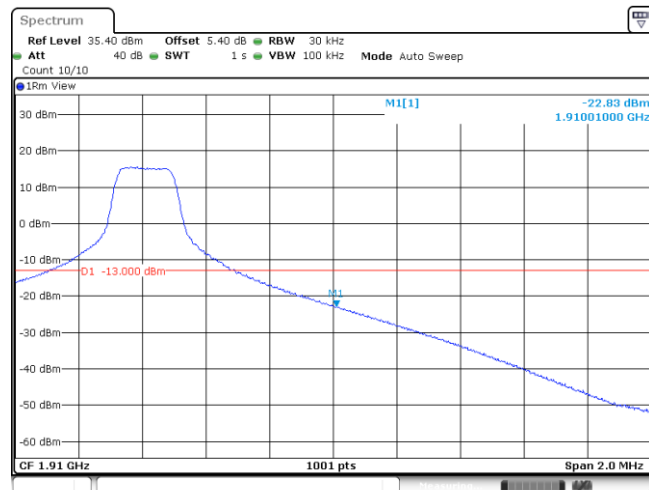
Date: 11 AUG.2019 02:47:56

Band2_10MHz_16QAM_18650_50RB#0



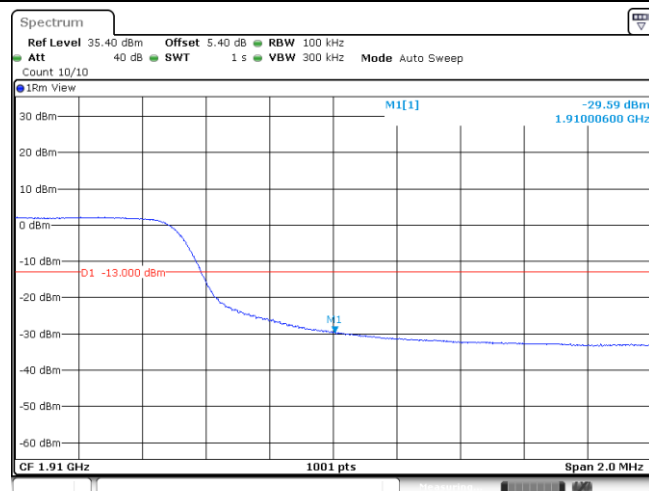
Date: 11 AUG.2019 02:49:24

Band2_10MHz_16QAM_19150_1RB#49



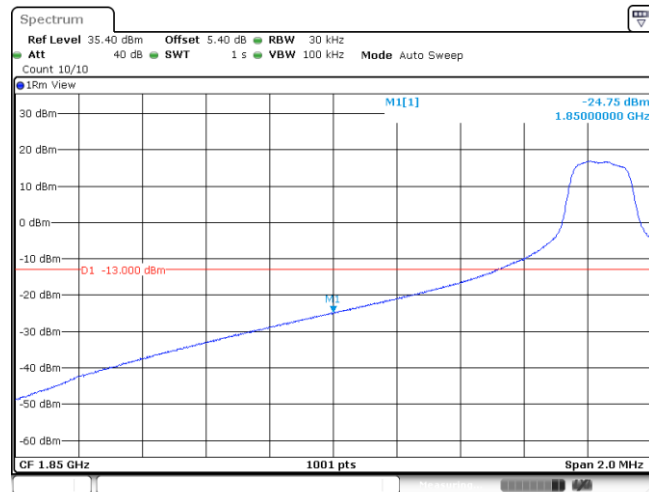
Date: 11 AUG.2019 02:48:40

Band2_10MHz_16QAM_19150_50RB#0



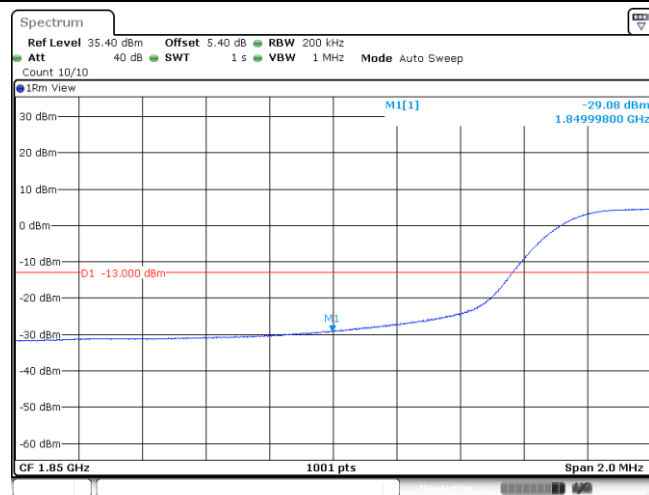
Date: 11 AUG.2019 02:50:04

Band2_15MHz_QPSK_18675_1RB#0



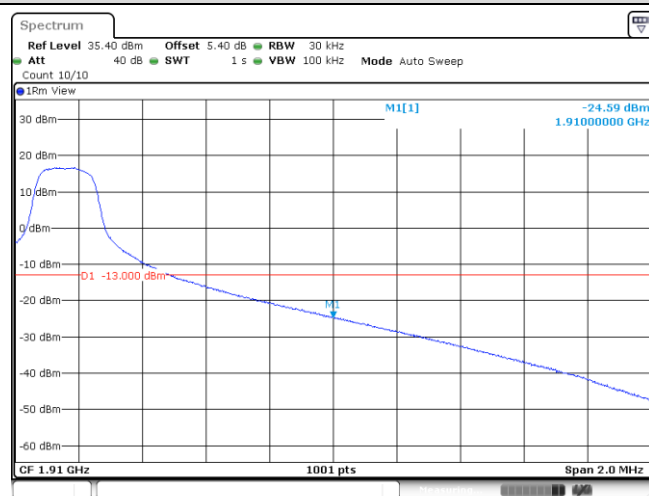
Date: 11 AUG.2019 02:50:28

Band2_15MHz_QPSK_18675_75RB#0



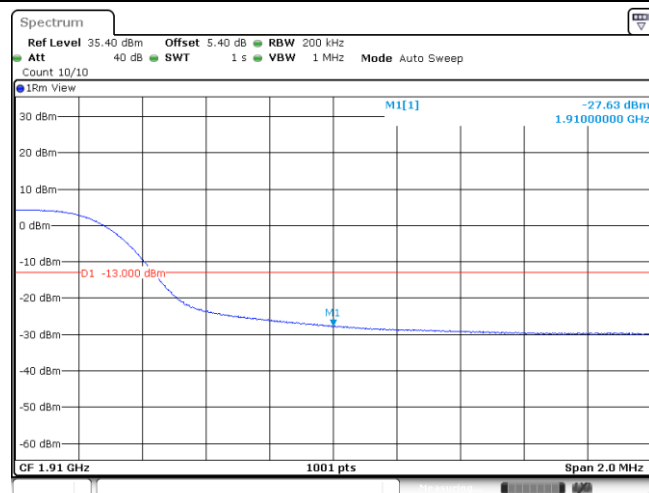
Date: 11 AUG.2019 02:51:56

Band2_15MHz_QPSK_19125_1RB#74



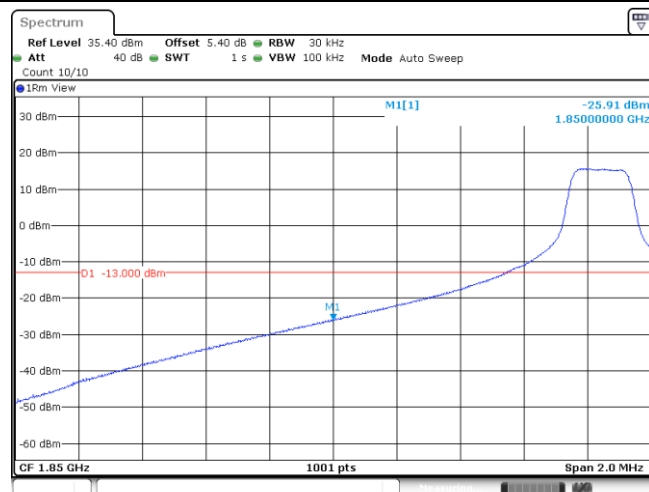
Date: 11 AUG.2019 02:51:12

Band2_15MHz_QPSK_19125_75RB#0



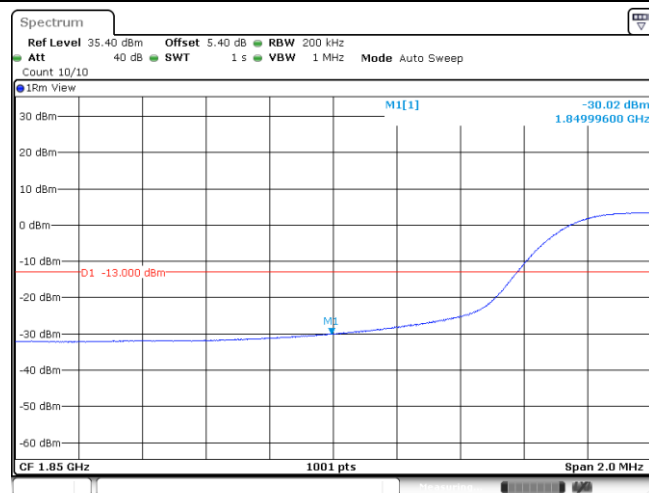
Date: 11 AUG.2019 02:52:35

Band2_15MHz_16QAM_18675_1RB#0



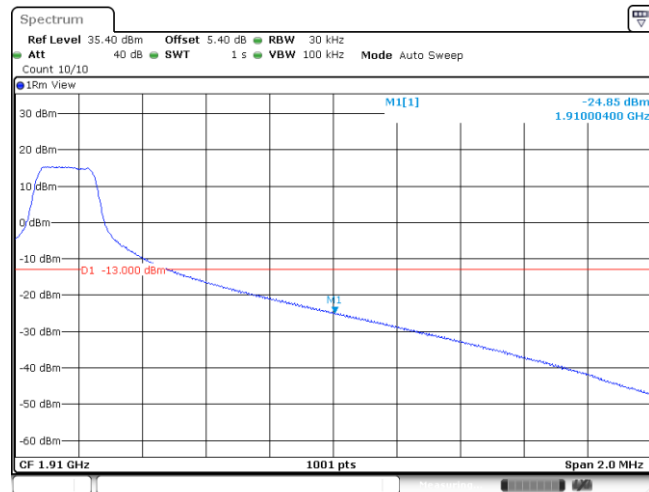
Date: 11 AUG.2019 02:50:48

Band2_15MHz_16QAM_18675_75RB#0



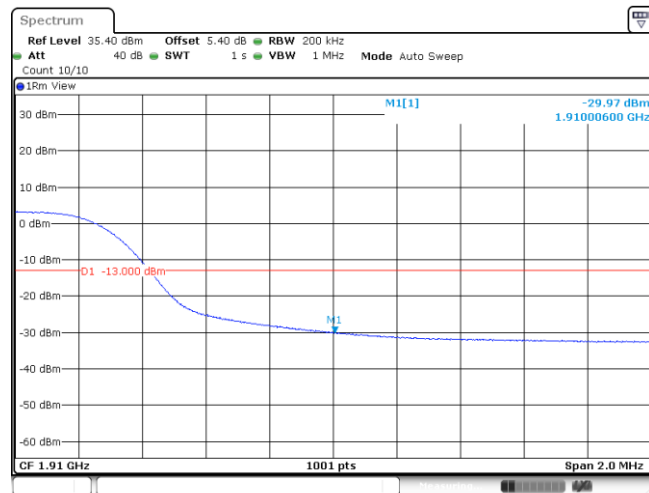
Date: 11 AUG.2019 02:52:15

Band2_15MHz_16QAM_19125_1RB#74



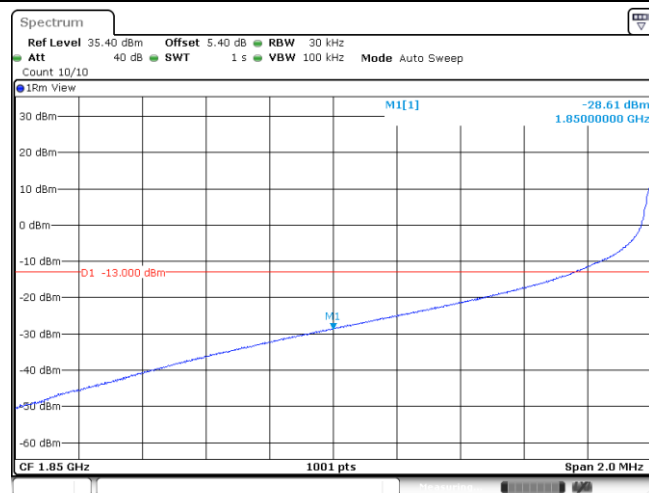
Date: 11 AUG.2019 02:51:31

Band2_15MHz_16QAM_19125_75RB#0



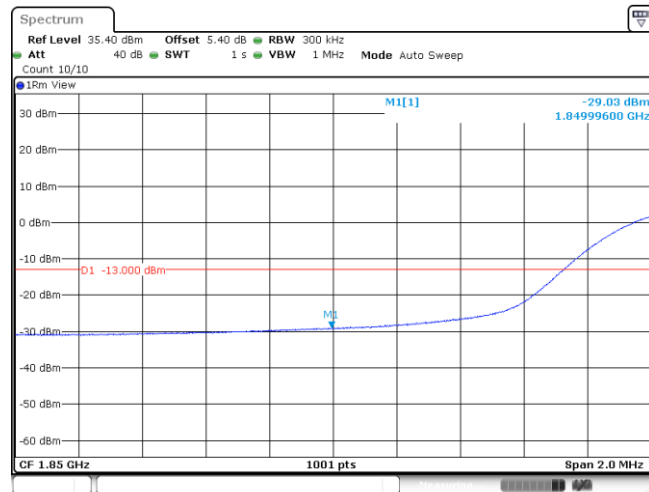
Date: 11 AUG.2019 02:52:55

Band2_20MHz_QPSK_18700_1RB#0



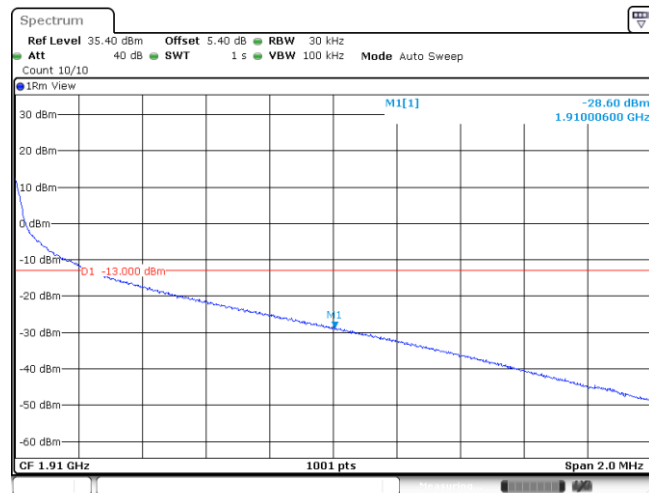
Date: 11 AUG.2019 02:53:19

Band2_20MHz_QPSK_18700_100RB#0



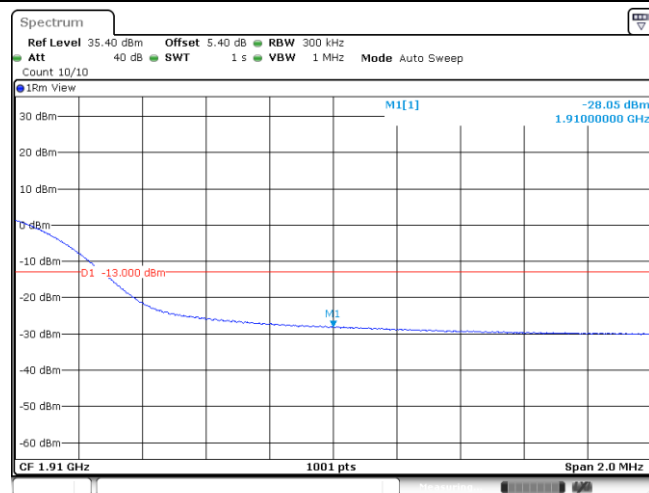
Date: 11 AUG.2019 02:54:48

Band2_20MHz_QPSK_19100_1RB#99



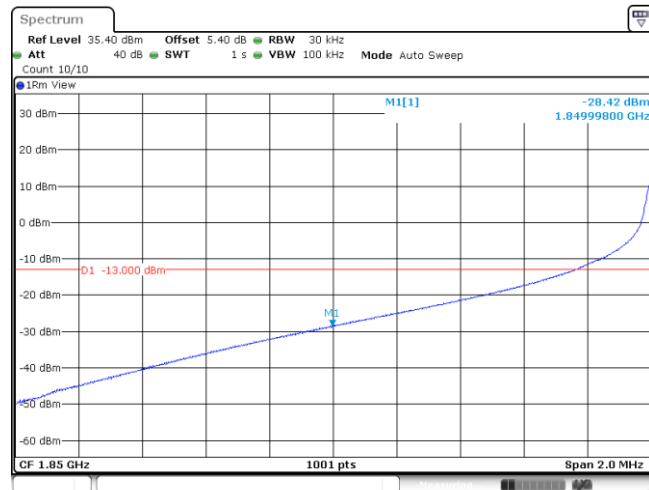
Date: 11 AUG.2019 02:54:03

Band2_20MHz_QPSK_19100_100RB#0



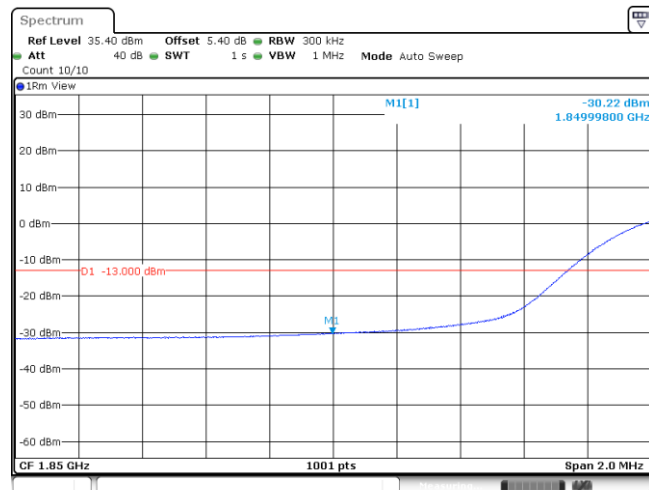
Date: 11 AUG.2019 02:55:27

Band2_20MHz_16QAM_18700_1RB#0



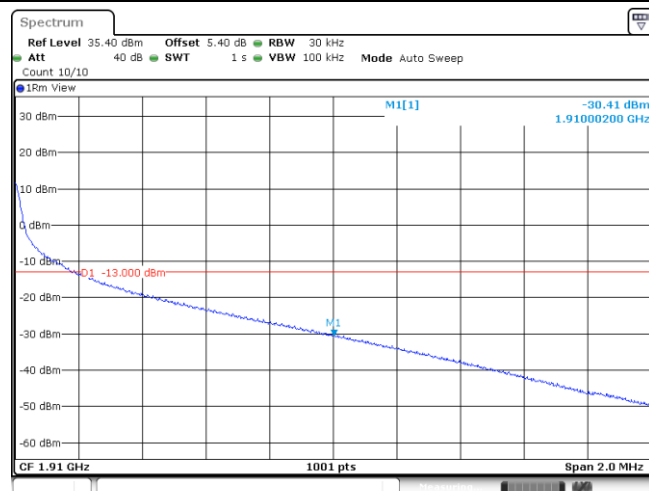
Date: 11 AUG.2019 02:53:39

Band2_20MHz_16QAM_18700_100RB#0



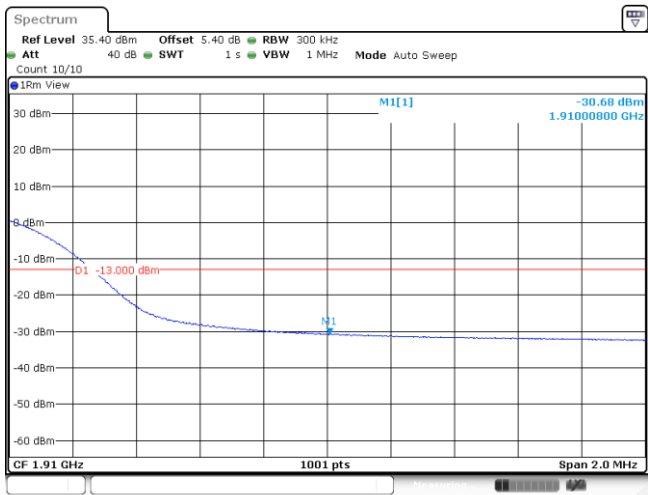
Date: 11 AUG.2019 02:55:07

Band2_20MHz_16QAM_19100_1RB#99



Date: 11 AUG.2019 02:54:23

Band2_20MHz_16QAM_19100_100RB#0



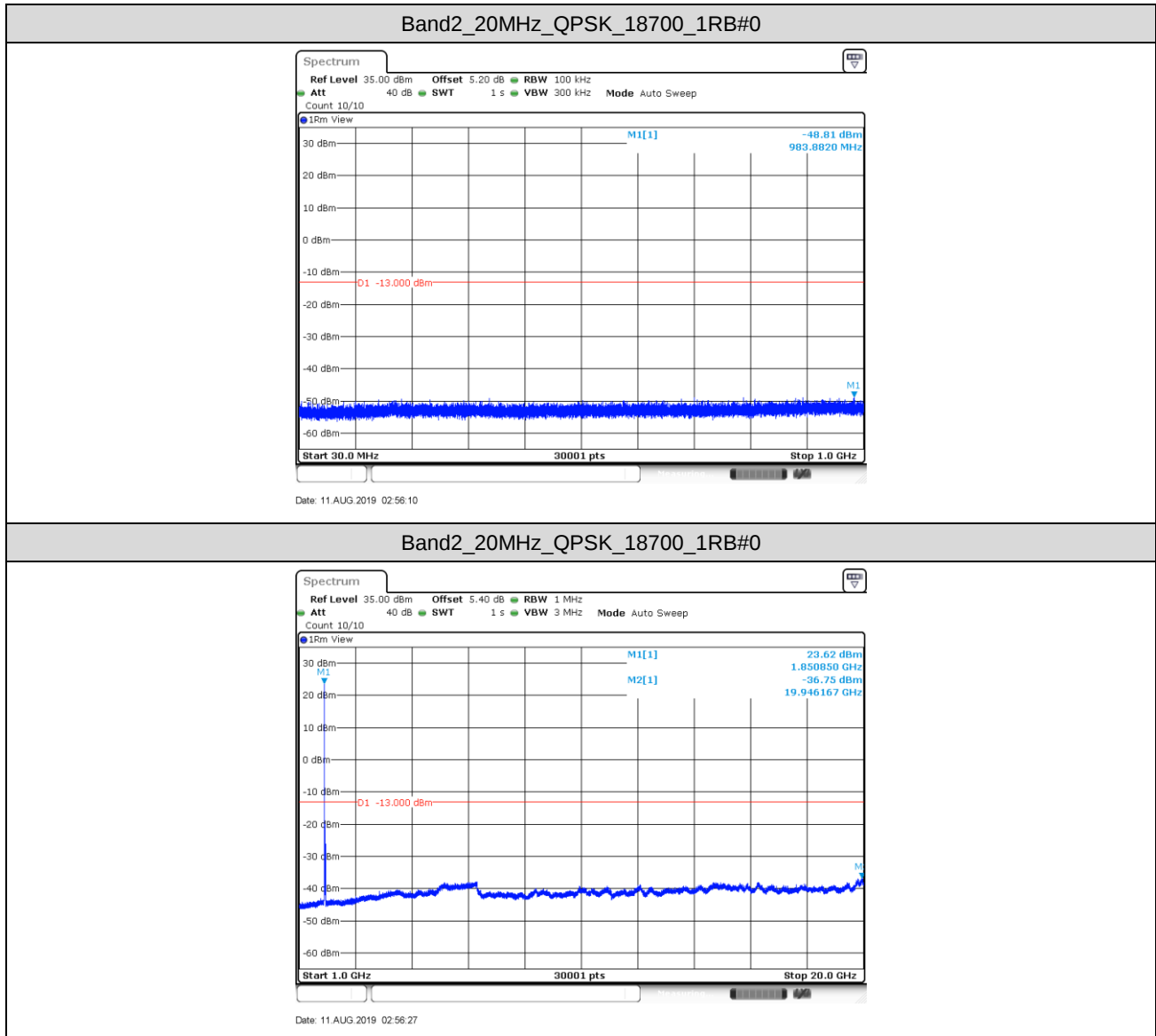
Date: 11 AUG.2019 02:55:47

8. Spurious Emission at Antenna Terminal

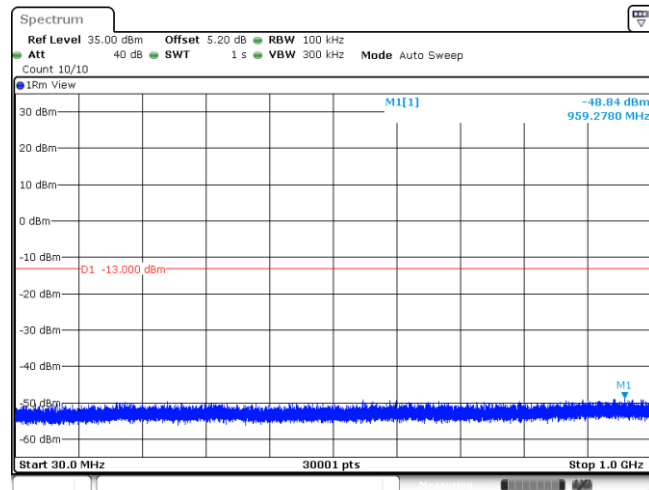
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

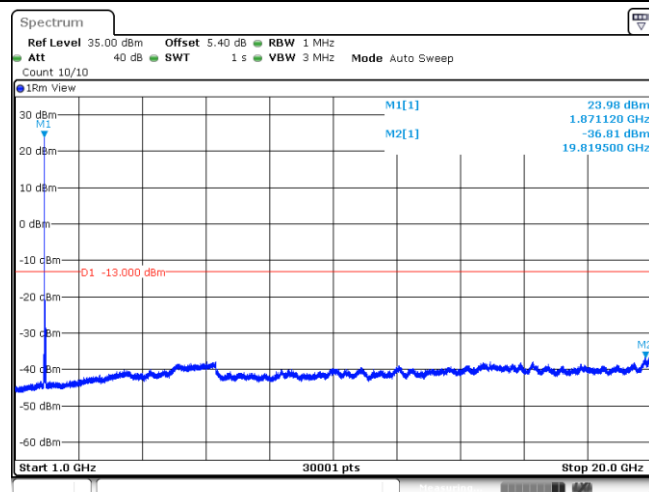


Band2_20MHz_QPSK_18900_1RB#0



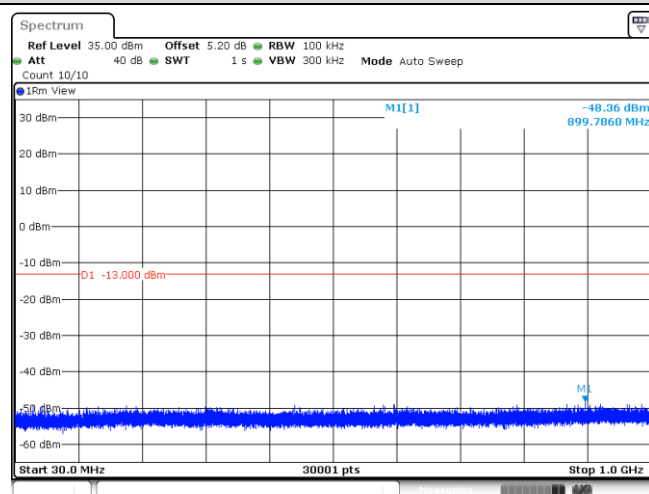
Date: 11 AUG.2019 02:57:21

Band2_20MHz_QPSK_18900_1RB#0



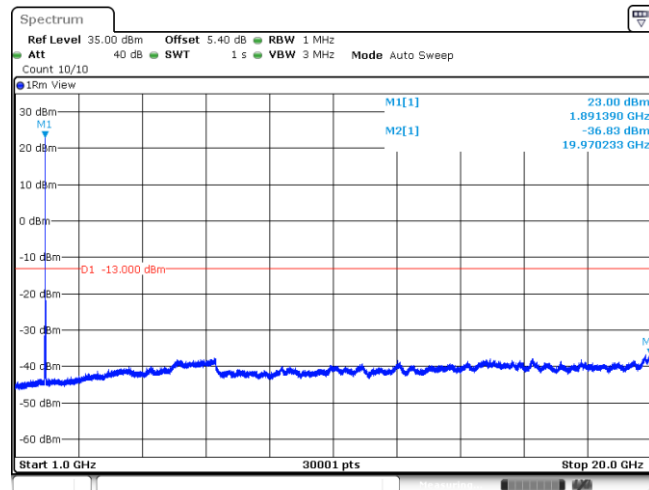
Date: 11 AUG.2019 02:57:38

Band2_20MHz_QPSK_19100_1RB#0



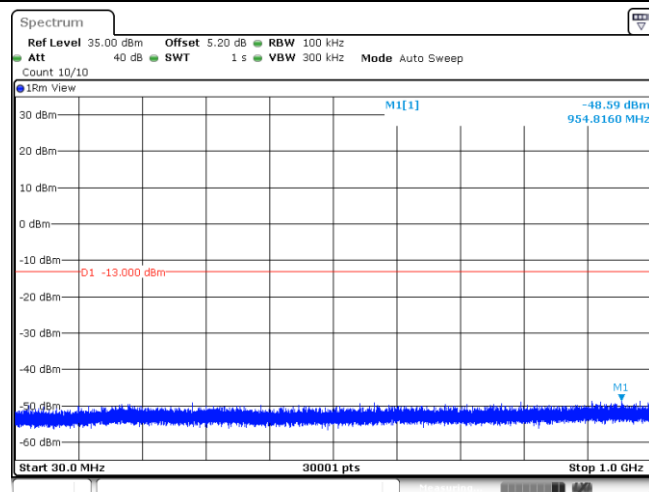
Date: 11 AUG.2019 02:58:32

Band2_20MHz_QPSK_19100_1RB#0



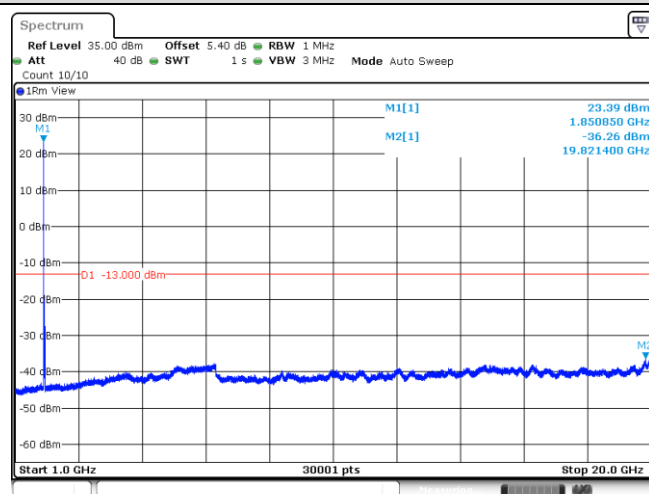
Date: 11 AUG.2019 02:58:49

Band2_20MHz_16QAM_18700_1RB#0



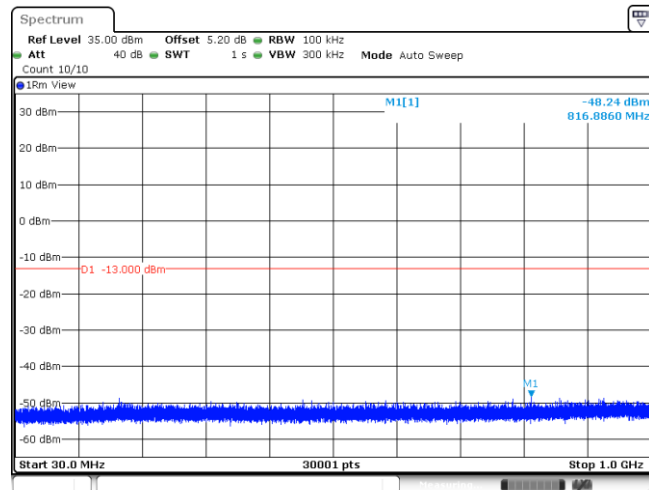
Date: 11 AUG.2019 02:56:46

Band2_20MHz_16QAM_18700_1RB#0



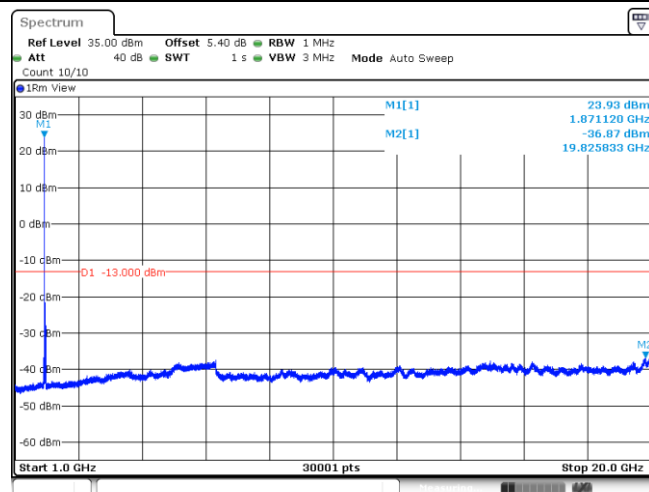
Date: 11 AUG.2019 02:57:02

Band2_20MHz_16QAM_18900_1RB#0



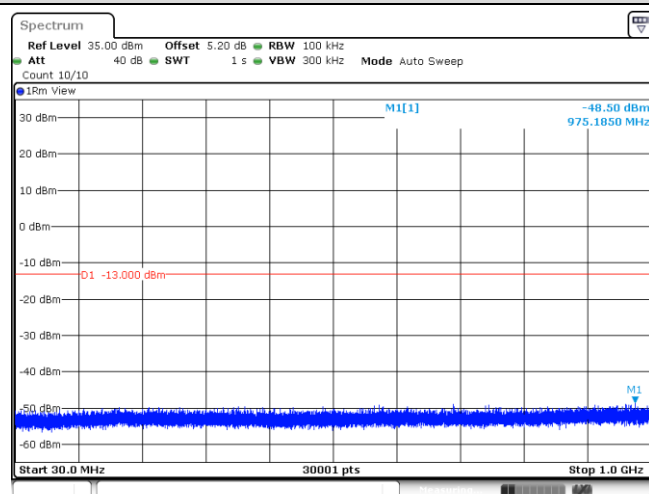
Date: 11 AUG.2019 02:57:57

Band2_20MHz_16QAM_18900_1RB#0



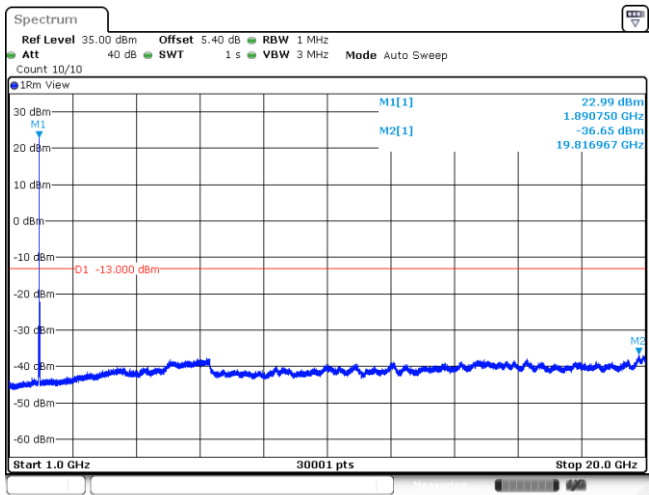
Date: 11 AUG.2019 02:58:13

Band2_20MHz_16QAM_19100_1RB#0



Date: 11 AUG.2019 02:58:07

Band2_20MHz_16QAM_19100_1RB#0



Date: 11.AUG.2019 02:59:24

9. Frequency Stability

9.1. Frequency Vs Voltage

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	-4.10	-0.002204	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-6.00	-0.003226	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-3.60	-0.001935	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-5.40	-0.002872	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-4.50	-0.002394	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-8.40	-0.004468	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-5.20	-0.002737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-10.10	-0.005316	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-4.20	-0.002211	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-1.80	-0.000968	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-11.30	-0.006075	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-3.40	-0.001828	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-15.00	-0.007979	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-10.50	-0.005585	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-8.30	-0.004415	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-4.90	-0.002579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	1.80	0.000947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-1.60	-0.000842	±2.5	PASS

9.2. Frequency Vs Temperature

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	-4.40	-0.002366	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	2.10	0.001129	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-5.00	-0.002688	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-9.20	-0.004946	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	3.90	0.002097	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-8.80	-0.004731	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-8.80	-0.004731	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	5.50	0.002957	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-10.20	-0.005426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-0.50	-0.000266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-10.30	-0.005479	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-7.70	-0.004096	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-5.40	-0.002872	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-10.80	-0.005745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-7.00	-0.003723	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-16.00	-0.008511	±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	-11.20	-0.005895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-9.30	-0.004895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-1.70	-0.000895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.70	-0.005105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-4.70	-0.002474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	5.20	0.002737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	2.90	0.001526	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-3.10	-0.001667	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-12.30	-0.006613	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.50	0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-6.50	-0.003495	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-0.50	-0.000269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-5.60	-0.002979	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-9.60	-0.005106	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-8.40	-0.004468	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-7.90	-0.004202	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.50	-0.001862	±2.5	PASS

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Band2	20MHz	16QAM	18900	100RB#0	NV	50	-10.20	-0.005426	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-11.40	-0.006000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-10.80	-0.005684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-4.00	-0.002105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	0.20	0.000105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-9.10	-0.004789	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.00	-0.001053	±2.5	PASS

The End