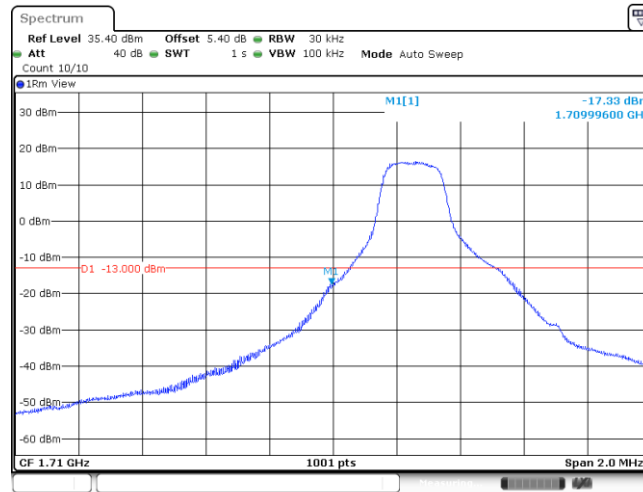


7. Band Edge Compliance

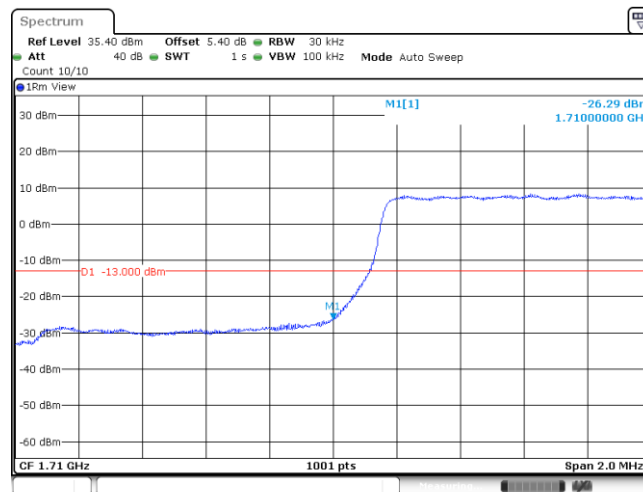
7.1. Test Plots

Band66_1.4MHz_QPSK_131979_1RB#0



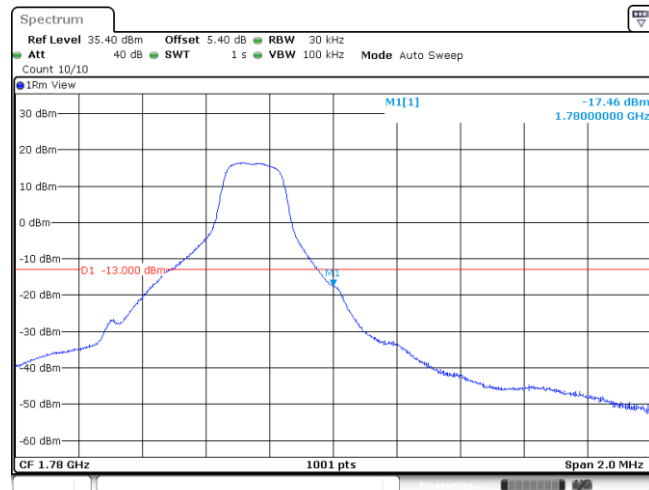
Date: 10 AUG.2019 23:18:46

Band66_1.4MHz_QPSK_131979_6RB#0



Date: 10 AUG.2019 23:20:13

Band66_1.4MHz_QPSK_132665_1RB#5



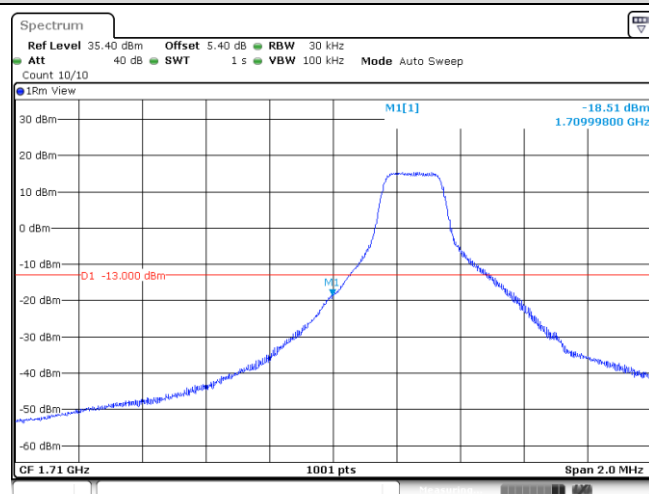
Date: 10 AUG.2019 23:19:29

Band66_1.4MHz_QPSK_132665_6RB#0



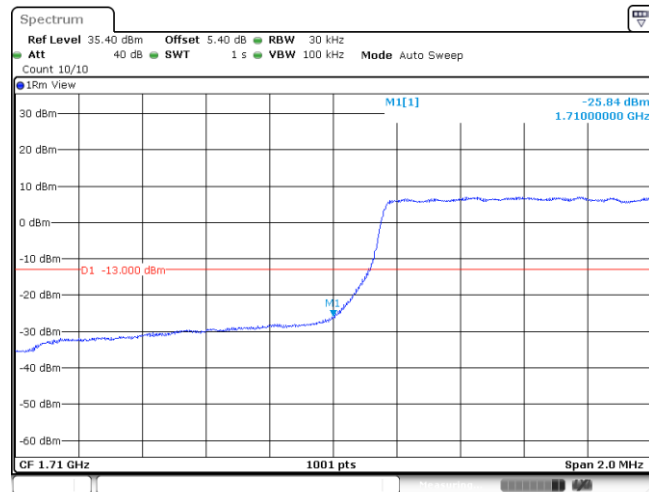
Date: 10 AUG.2019 23:20:52

Band66_1.4MHz_16QAM_131979_1RB#0



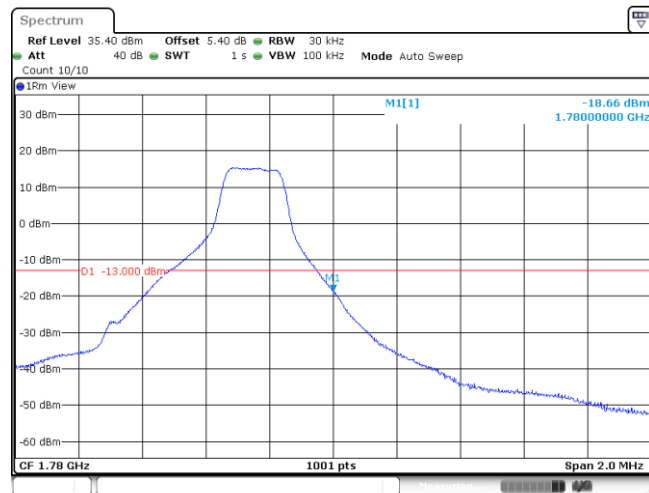
Date: 10 AUG.2019 23:19:06

Band66_1.4MHz_16QAM_131979_6RB#0



Date: 10 AUG.2019 23:20:32

Band66_1.4MHz_16QAM_132665_1RB#5



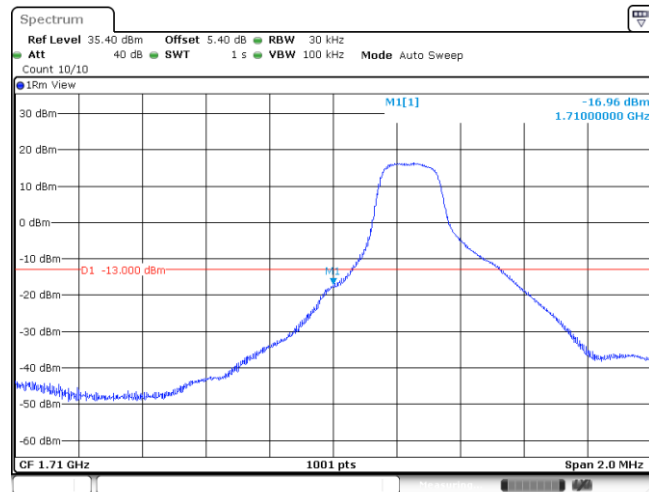
Date: 10 AUG.2019 23:19:49

Band66_1.4MHz_16QAM_132665_6RB#0



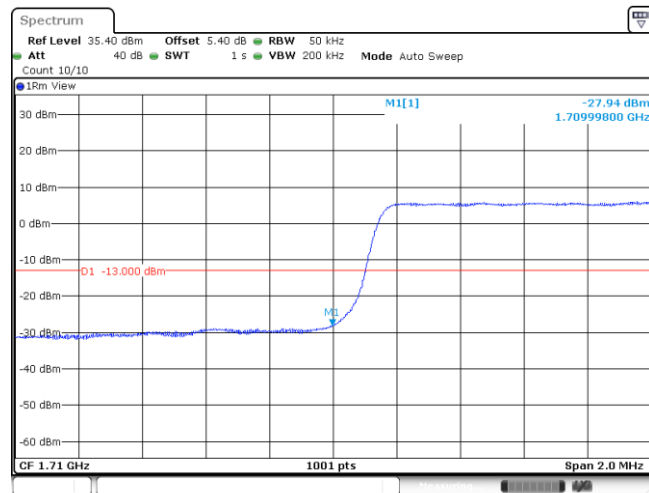
Date: 10 AUG.2019 23:21:12

Band66_3MHz_QPSK_131987_1RB#0



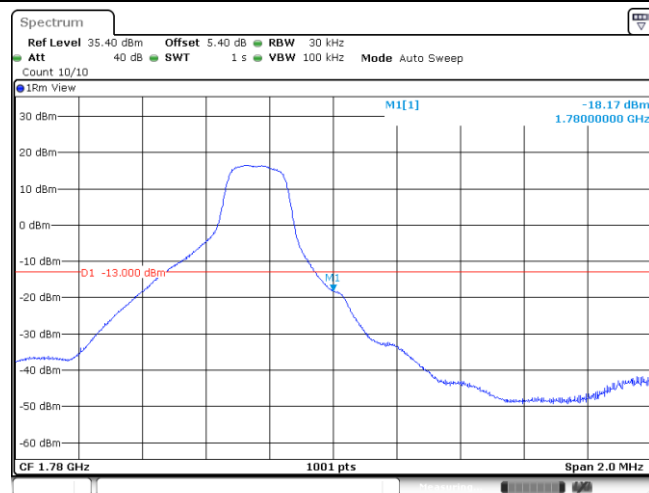
Date: 10 AUG.2019 23:21:36

Band66_3MHz_QPSK_131987_15RB#0



Date: 10 AUG.2019 23:23:03

Band66_3MHz_QPSK_132657_1RB#14



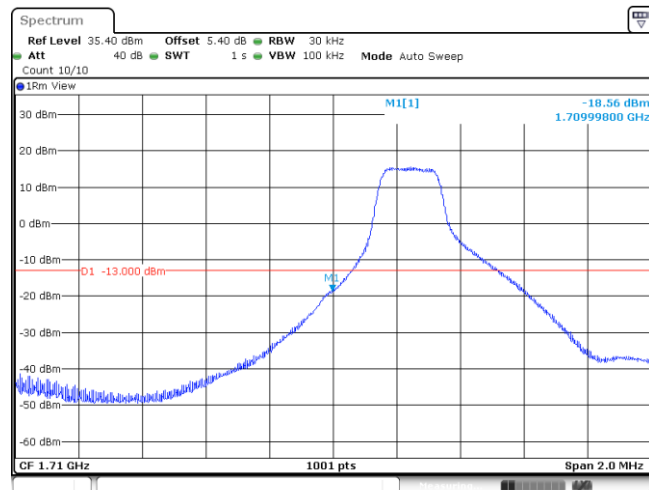
Date: 10 AUG.2019 23:22:19

Band66_3MHz_QPSK_132657_15RB#0



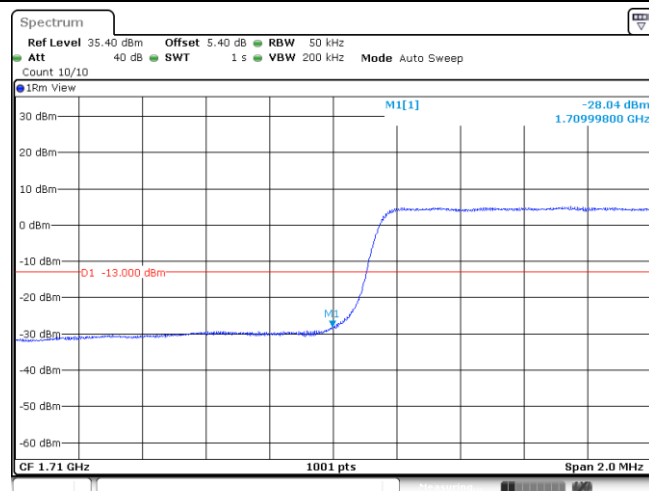
Date: 10 AUG.2019 23:23:42

Band66_3MHz_16QAM_131987_1RB#0



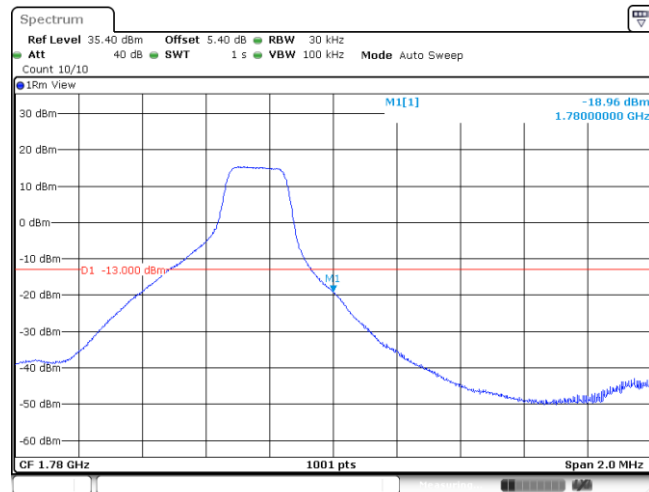
Date: 10 AUG.2019 23:21:55

Band66_3MHz_16QAM_131987_15RB#0



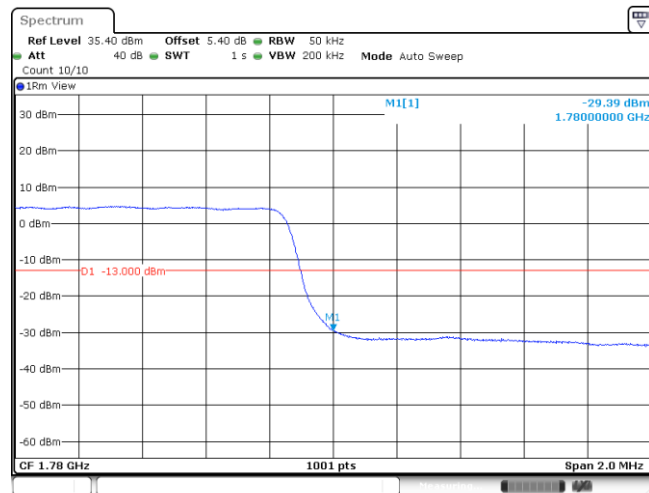
Date: 10 AUG.2019 23:23:22

Band66_3MHz_16QAM_132657_1RB#14



Date: 10 AUG.2019 23:22:39

Band66_3MHz_16QAM_132657_15RB#0



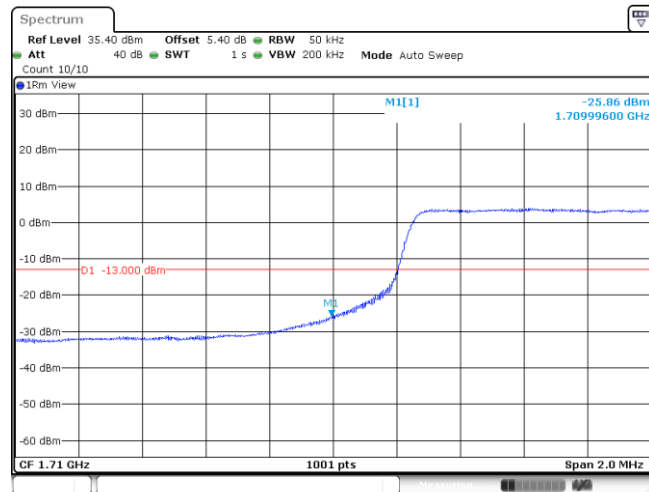
Date: 10 AUG.2019 23:24:02

Band66_5MHz_QPSK_131997_1RB#0



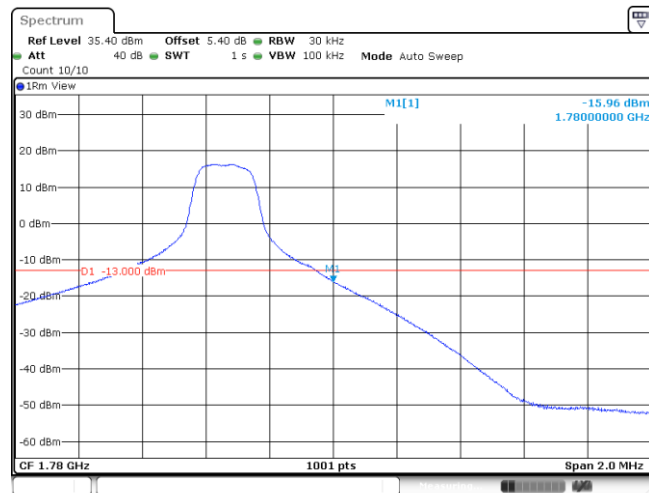
Date: 10 AUG.2019 23:24:26

Band66_5MHz_QPSK_131997_25RB#0



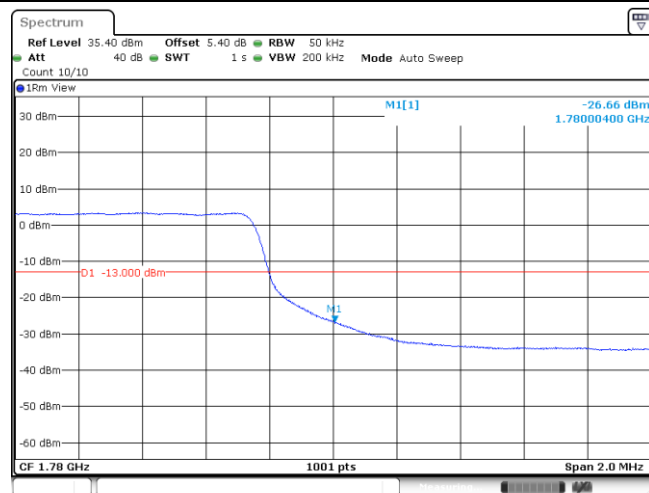
Date: 10 AUG.2019 23:25:53

Band66_5MHz_QPSK_132647_1RB#24



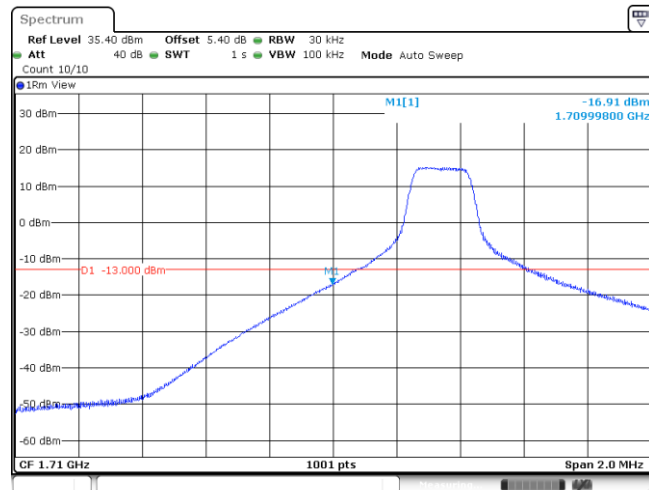
Date: 10 AUG.2019 23:25:09

Band66_5MHz_QPSK_132647_25RB#0



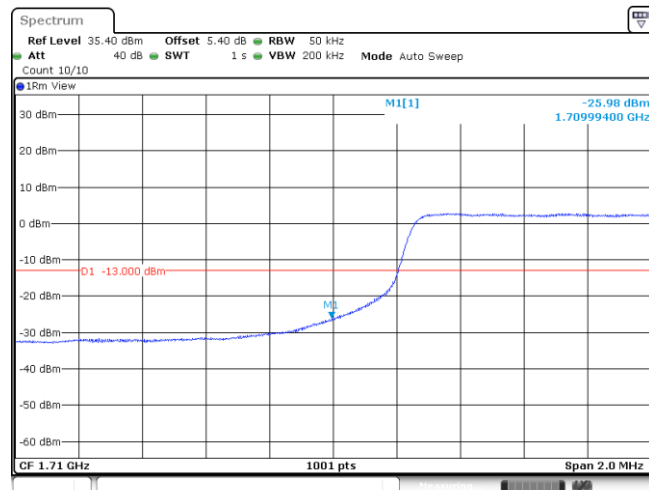
Date: 10 AUG.2019 23:26:32

Band66_5MHz_16QAM_131997_1RB#0



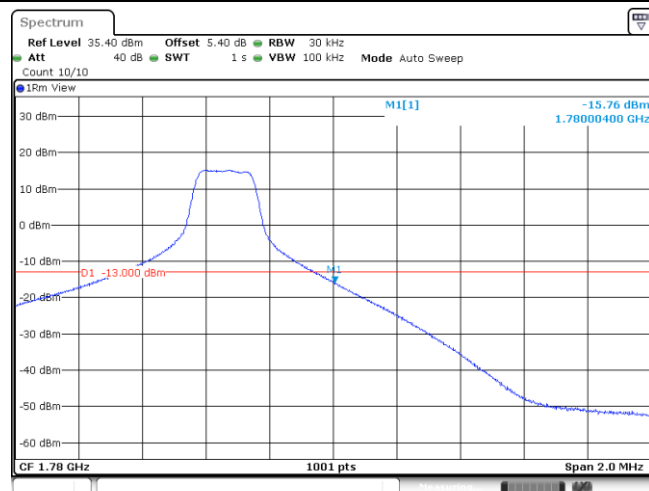
Date: 10 AUG.2019 23:24:46

Band66_5MHz_16QAM_131997_25RB#0



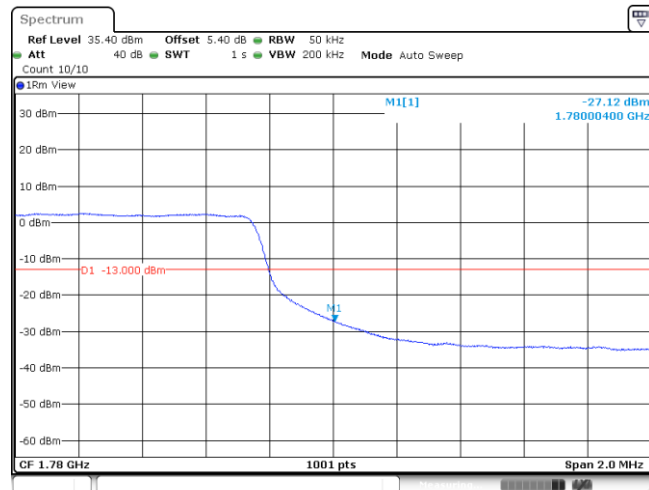
Date: 10 AUG.2019 23:26:12

Band66_5MHz_16QAM_132647_1RB#24



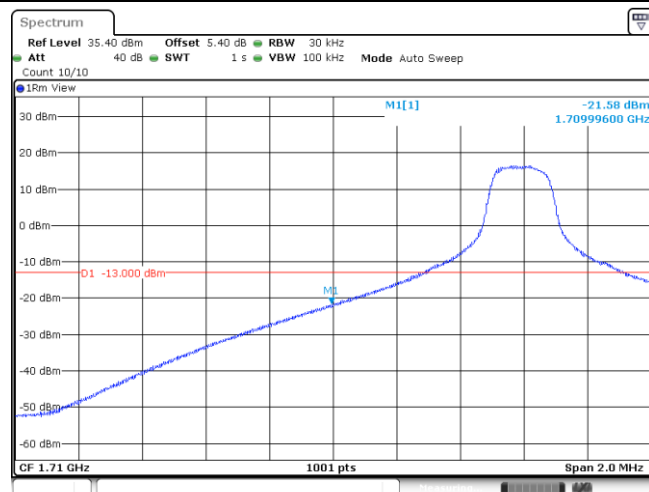
Date: 10 AUG.2019 23:25:29

Band66_5MHz_16QAM_132647_25RB#0



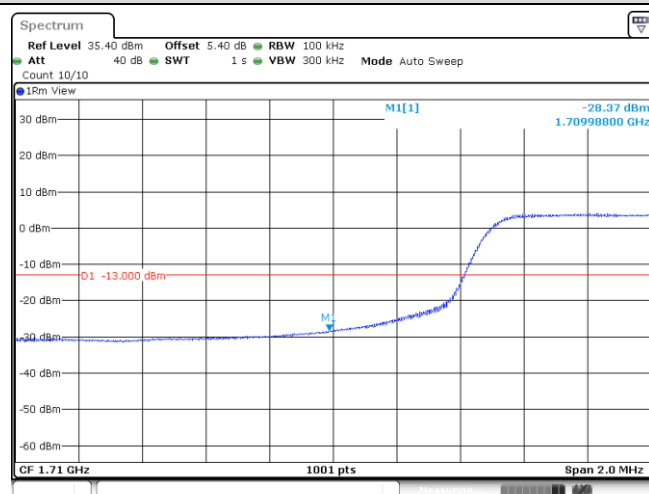
Date: 10 AUG.2019 23:26:52

Band66_10MHz_QPSK_132022_1RB#0



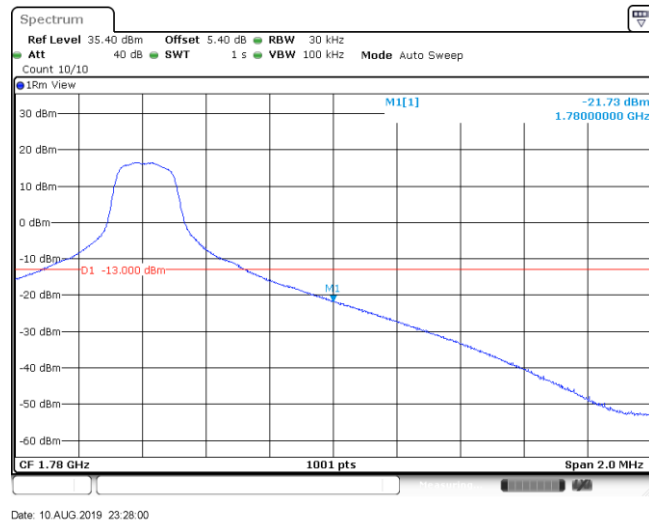
Date: 10 AUG.2019 23:27:16

Band66_10MHz_QPSK_132022_50RB#0

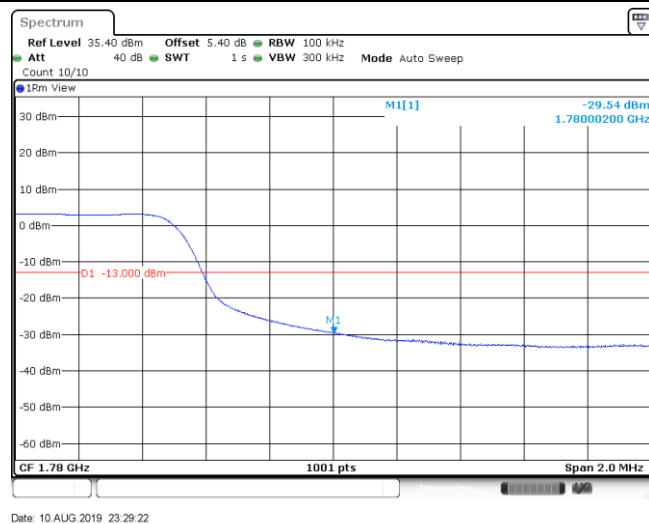


Date: 10 AUG.2019 23:28:43

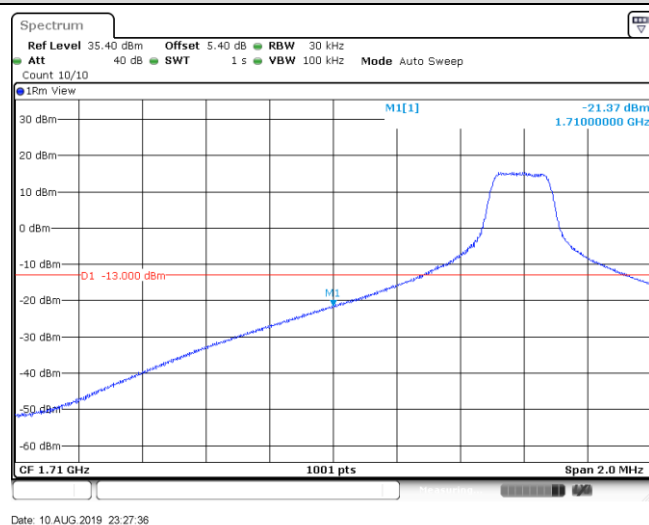
Band66_10MHz_QPSK_132622_1RB#49



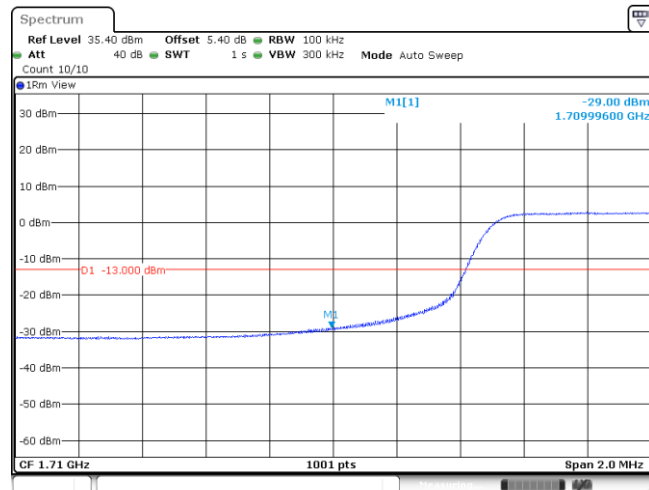
Band66_10MHz_QPSK_132622_50RB#0



Band66_10MHz_16QAM_132022_1RB#0

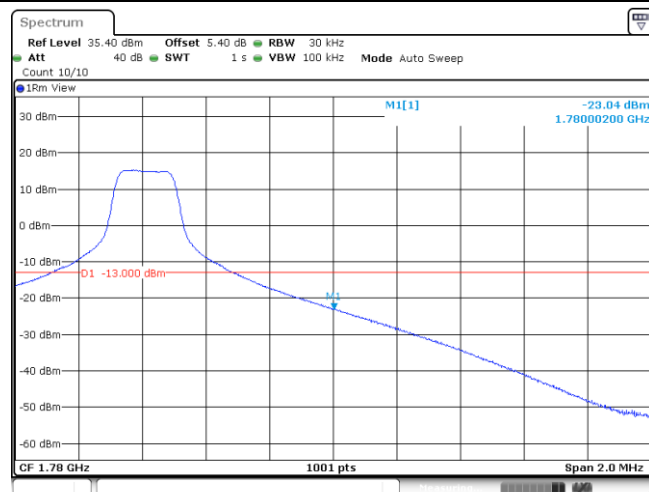


Band66_10MHz_16QAM_132022_50RB#0



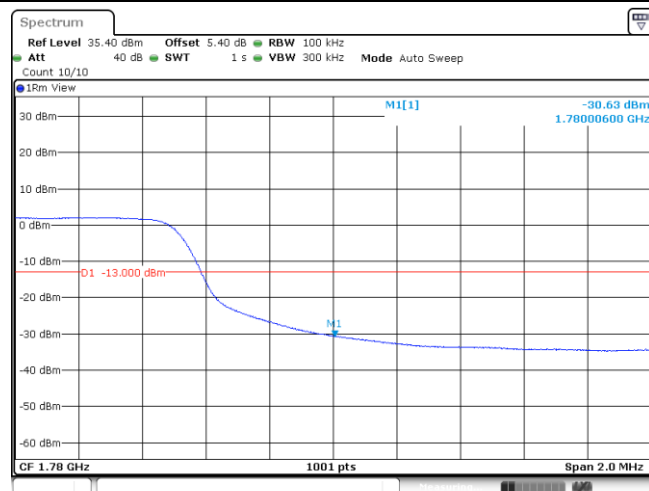
Date: 10 AUG.2019 23:29:02

Band66_10MHz_16QAM_132622_1RB#49



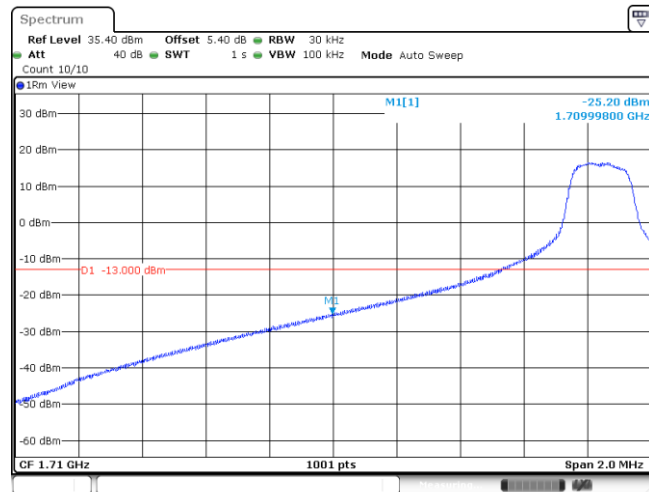
Date: 10 AUG.2019 23:28:19

Band66_10MHz_16QAM_132622_50RB#0



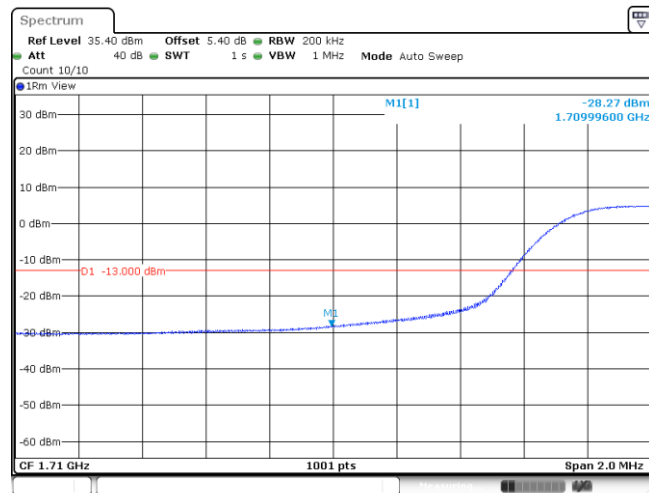
Date: 10 AUG.2019 23:29:42

Band66_15MHz_QPSK_132047_1RB#0



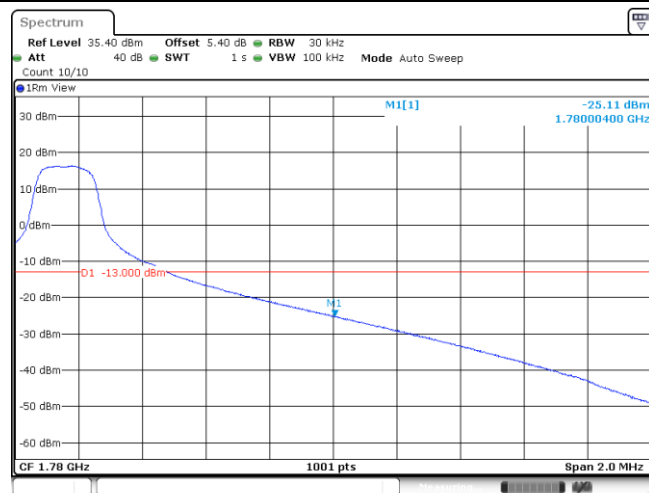
Date: 10 AUG.2019 23:30:06

Band66_15MHz_QPSK_132047_75RB#0



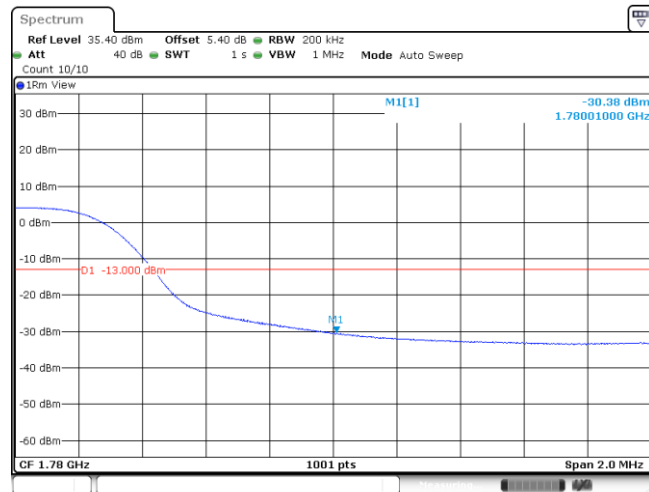
Date: 10 AUG.2019 23:31:33

Band66_15MHz_QPSK_132597_1RB#74



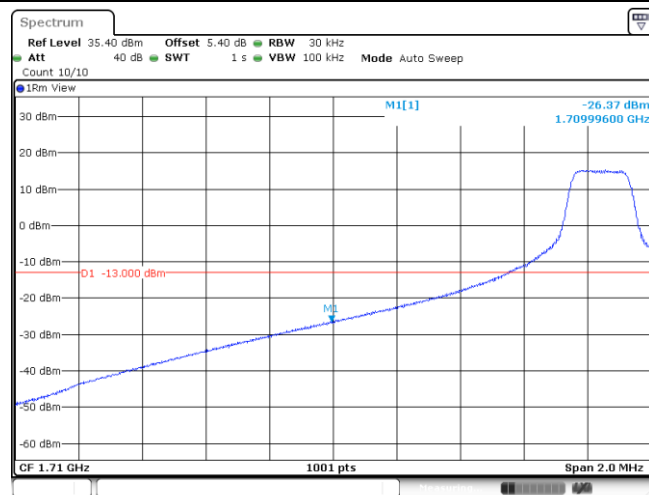
Date: 10 AUG.2019 23:30:49

Band66_15MHz_QPSK_132597_75RB#0



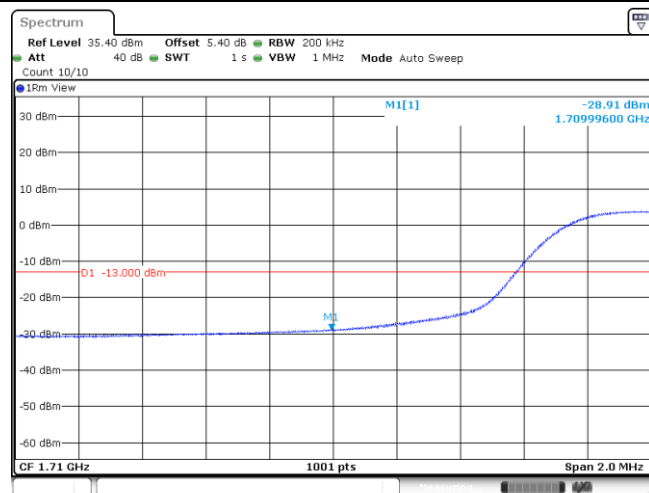
Date: 10 AUG.2019 23:32:12

Band66_15MHz_16QAM_132047_1RB#0



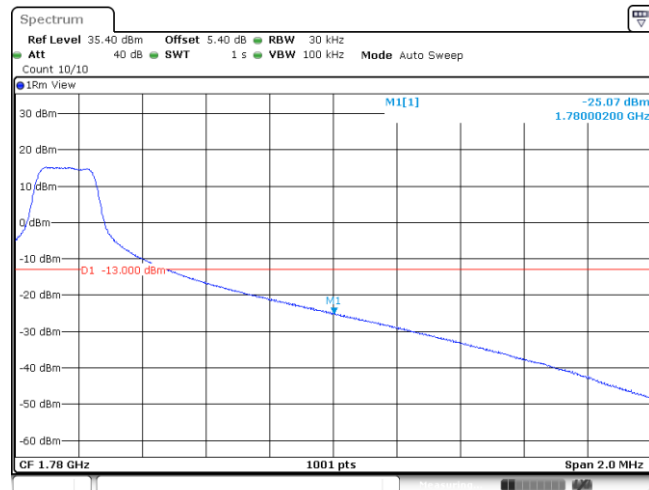
Date: 10 AUG.2019 23:30:25

Band66_15MHz_16QAM_132047_75RB#0



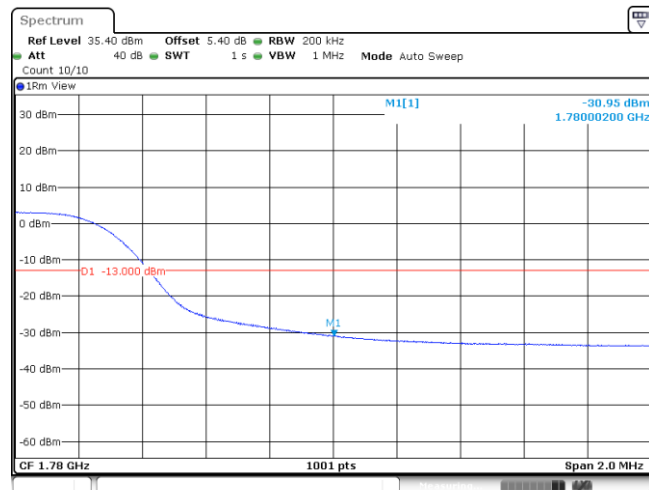
Date: 10 AUG.2019 23:31:52

Band66_15MHz_16QAM_132597_1RB#74



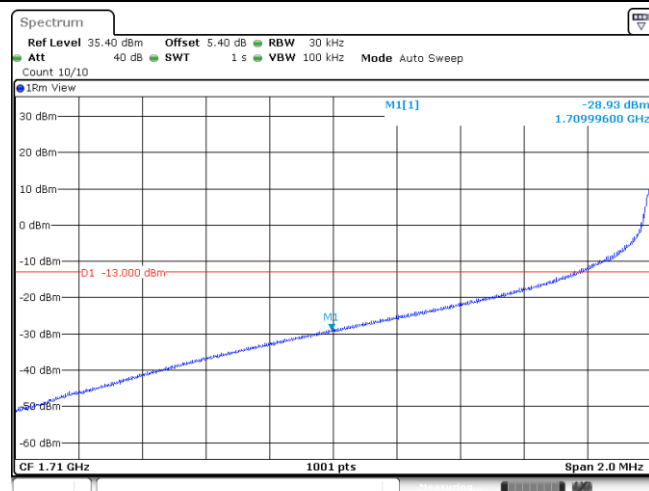
Date: 10 AUG.2019 23:31:09

Band66_15MHz_16QAM_132597_75RB#0



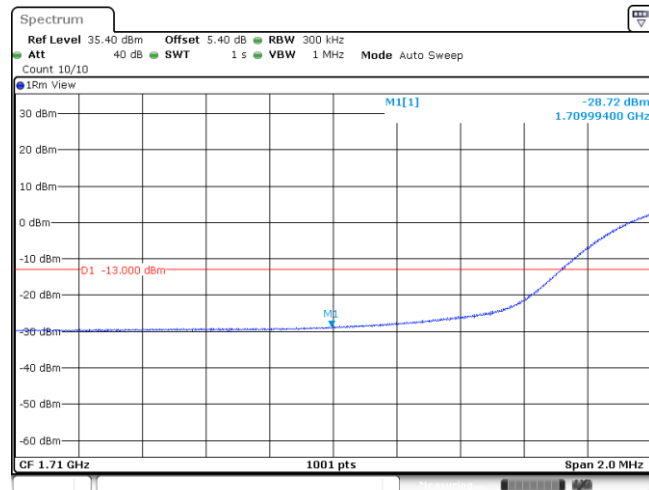
Date: 10 AUG.2019 23:32:31

Band66_20MHz_QPSK_132072_1RB#0



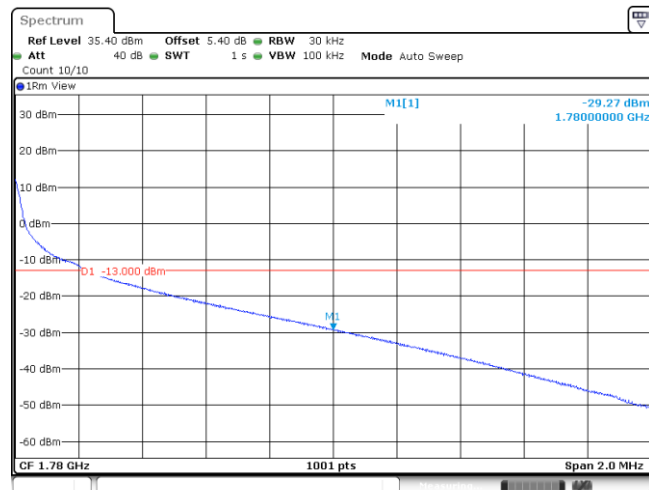
Date: 10 AUG.2019 23:32:56

Band66_20MHz_QPSK_132072_100RB#0



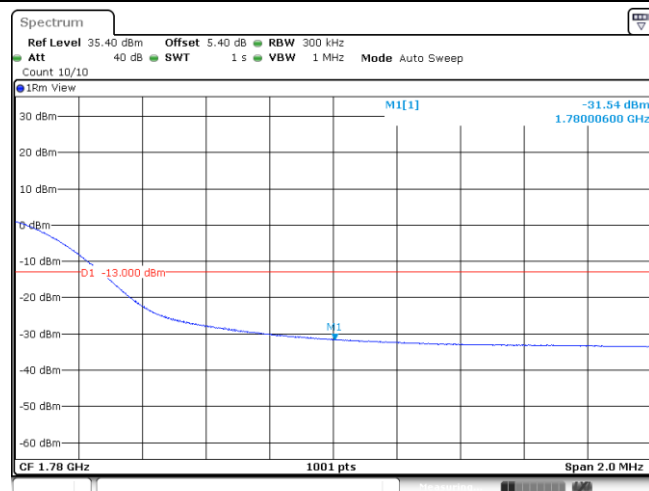
Date: 11 AUG.2019 02:01:43

Band66_20MHz_QPSK_132572_1RB#99



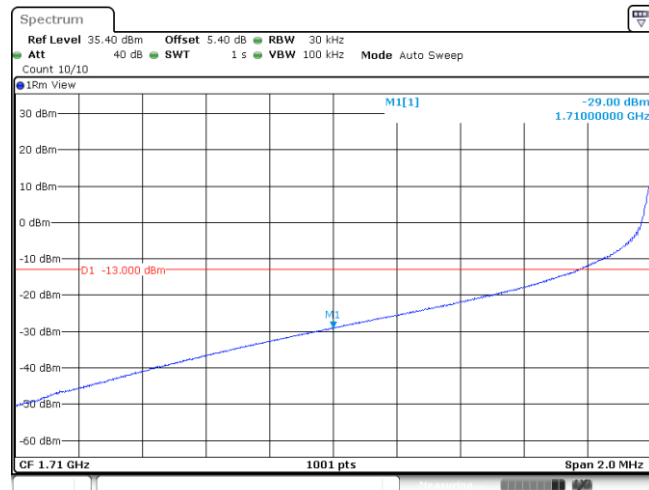
Date: 10 AUG.2019 23:33:39

Band66_20MHz_QPSK_132572_100RB#0



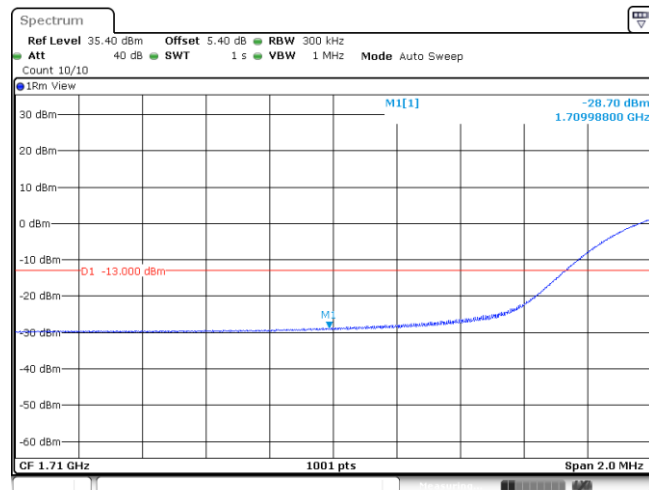
Date: 11 AUG.2019 02:02:22

Band66_20MHz_16QAM_132072_1RB#0



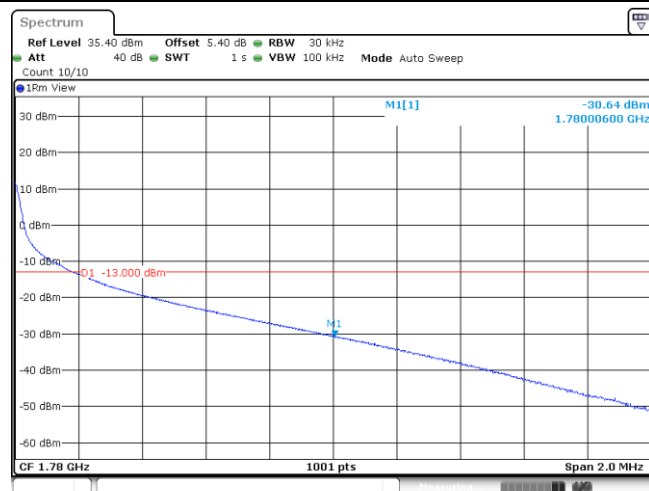
Date: 10 AUG.2019 23:33:15

Band66_20MHz_16QAM_132072_100RB#0



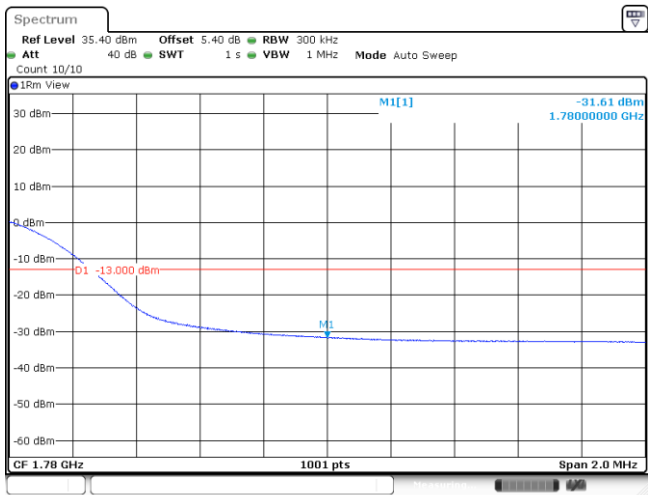
Date: 11 AUG.2019 02:02:02

Band66_20MHz_16QAM_132572_1RB#99



Date: 10 AUG.2019 23:33:58

Band66_20MHz_16QAM_132572_100RB#0



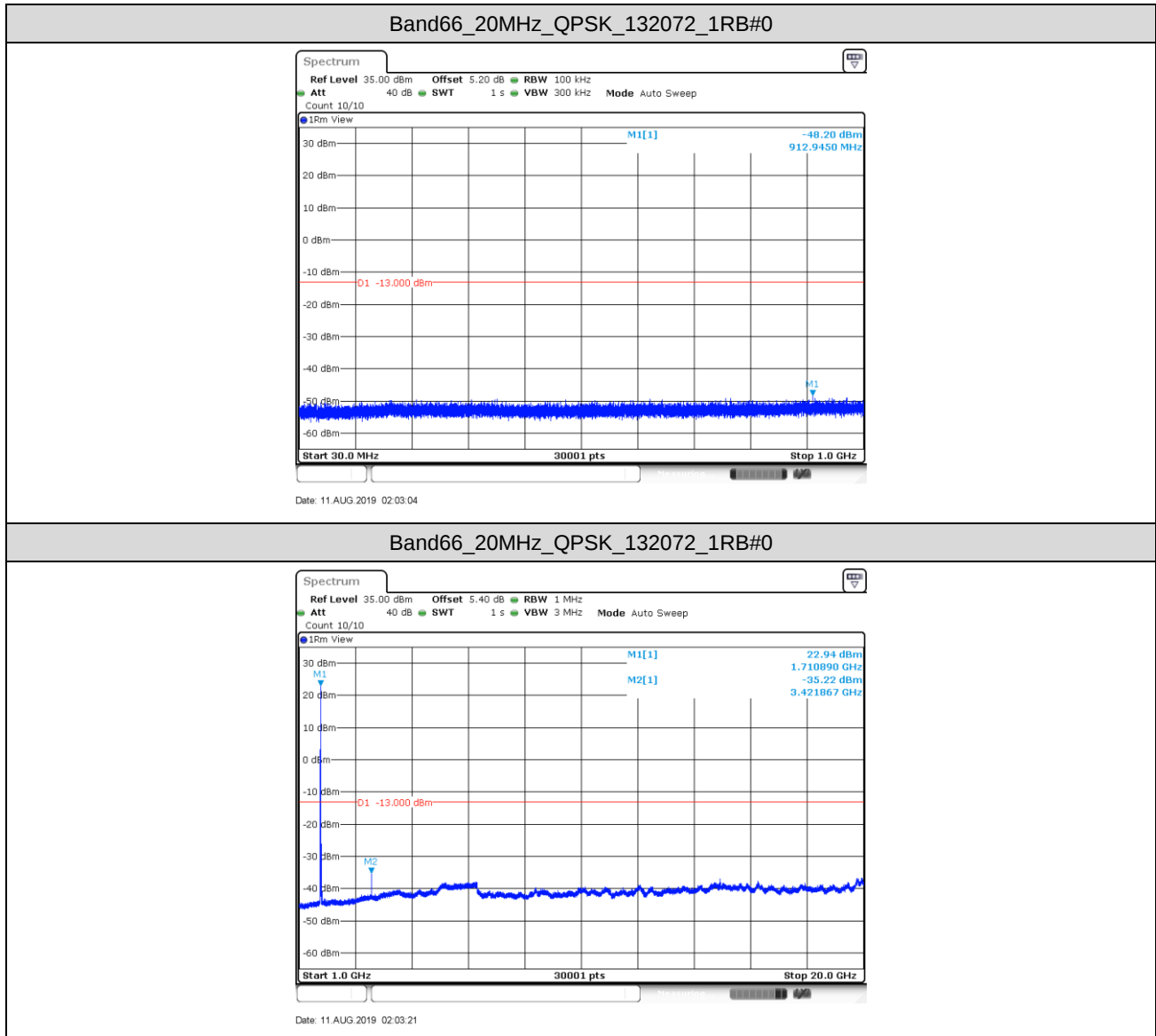
Date: 11.AUG.2019 02:02:41

8. Spurious Emission at Antenna Terminal

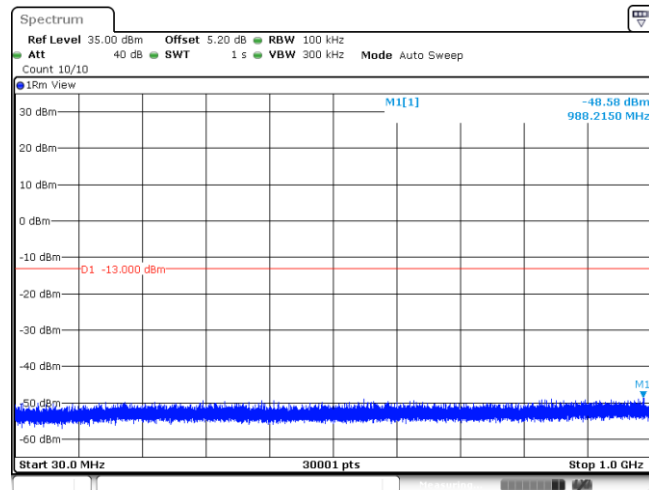
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

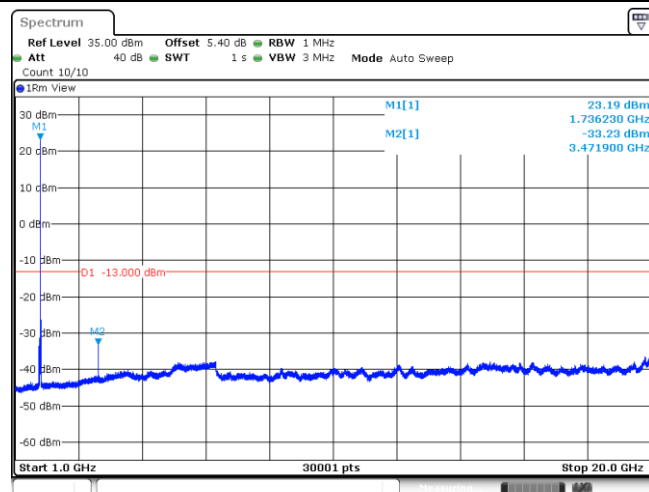


Band66_20MHz_QPSK_132322_1RB#0



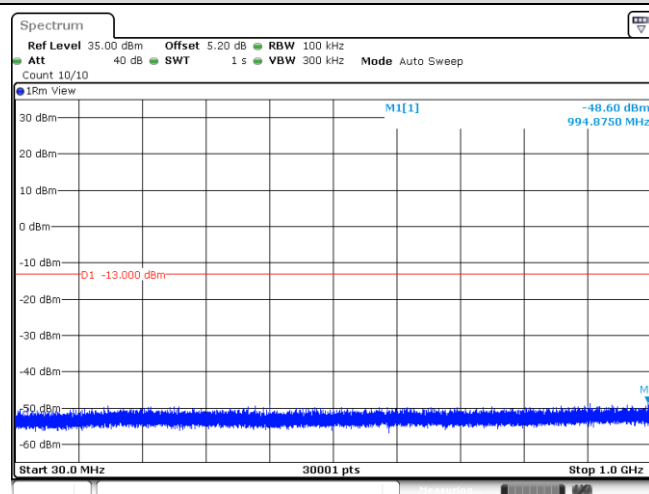
Date: 11 AUG.2019 02:04:15

Band66_20MHz_QPSK_132322_1RB#0



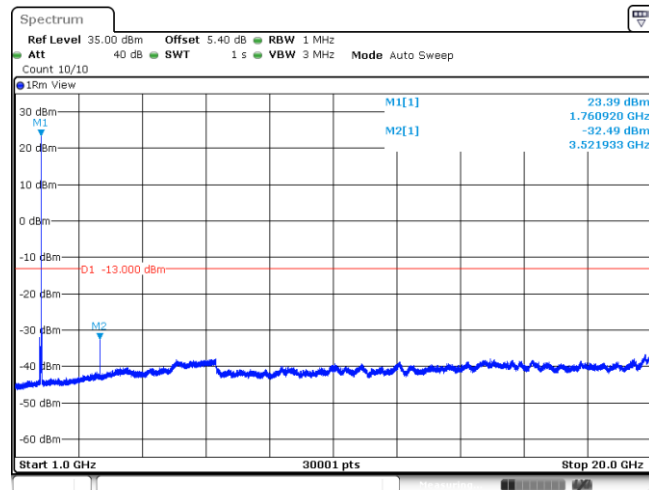
Date: 11 AUG.2019 02:04:31

Band66_20MHz_QPSK_132572_1RB#0



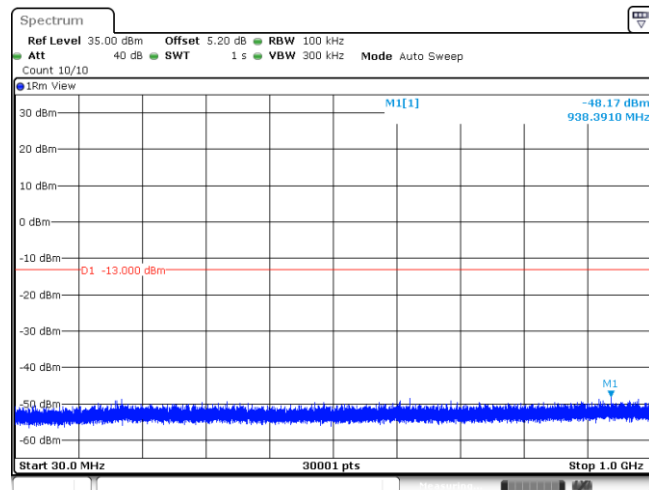
Date: 11 AUG.2019 02:05:25

Band66_20MHz_QPSK_132572_1RB#0



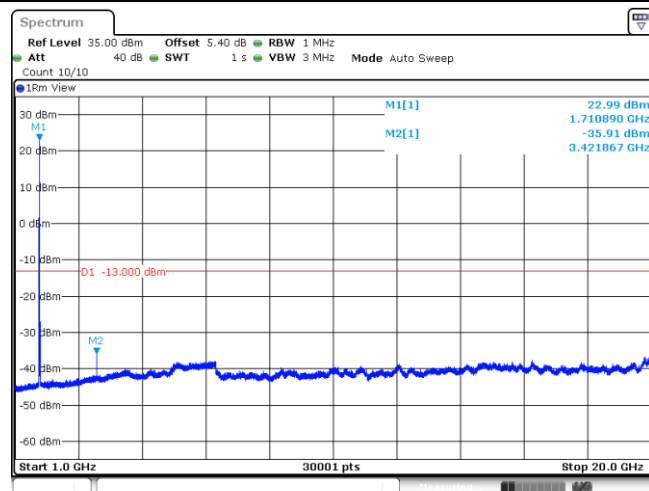
Date: 11 AUG.2019 02:05:41

Band66_20MHz_16QAM_132072_1RB#0



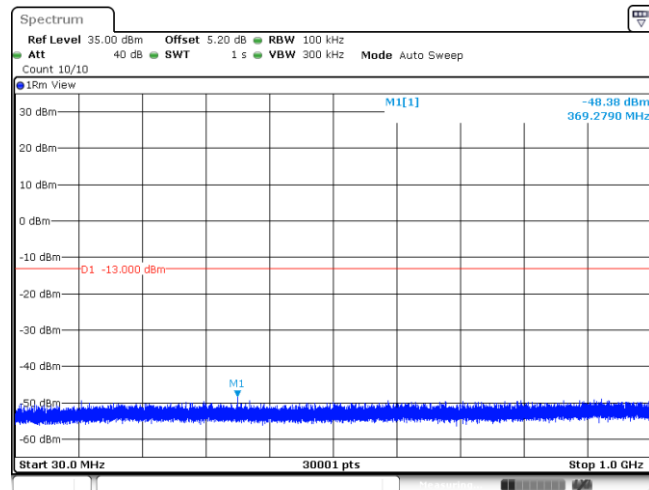
Date: 11 AUG.2019 02:03:39

Band66_20MHz_16QAM_132072_1RB#0



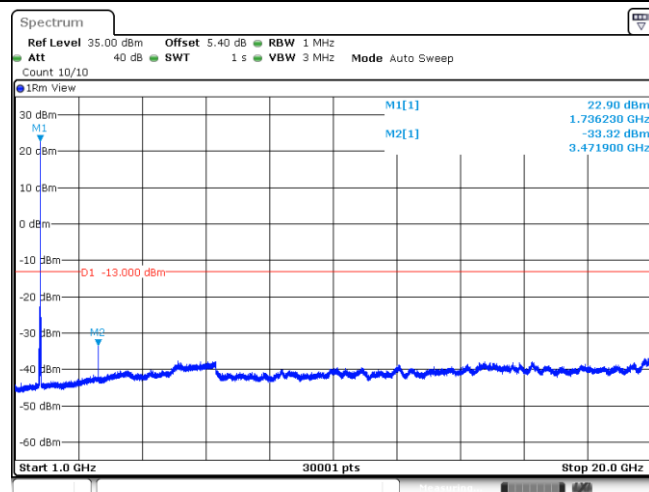
Date: 11 AUG.2019 02:03:56

Band66_20MHz_16QAM_132322_1RB#0



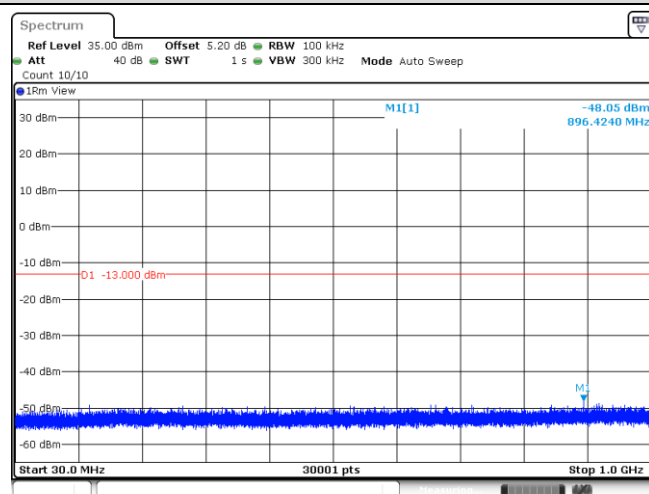
Date: 11 AUG.2019 02:04:50

Band66_20MHz_16QAM_132322_1RB#0



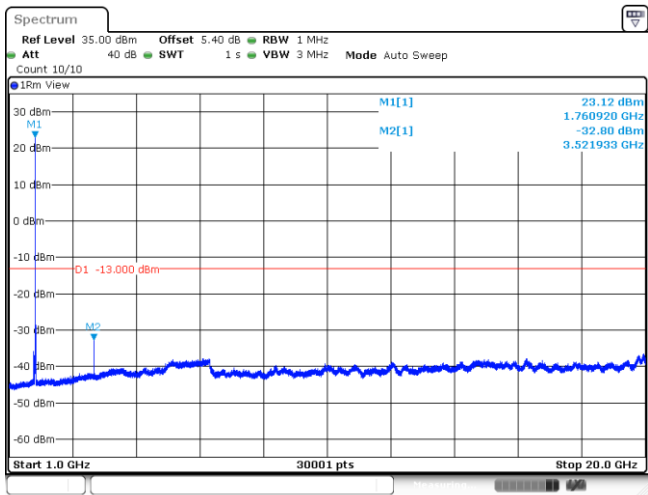
Date: 11 AUG.2019 02:05:06

Band66_20MHz_16QAM_132572_1RB#0



Date: 11 AUG.2019 02:06:00

Band66_20MHz_16QAM_132572_1RB#0



Date: 11.AUG.2019 02:06:16

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
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	-3.00	-0.001744	± 2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	-3.60	-0.002093	± 2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	-2.30	-0.001337	± 2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-6.80	-0.003897	± 2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	0.10	0.000057	± 2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-4.90	-0.002808	± 2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	-11.30	-0.006384	± 2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	-9.70	-0.005480	± 2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-4.10	-0.002316	± 2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	-5.70	-0.003314	± 2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	-0.50	-0.000291	± 2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	-3.10	-0.001802	± 2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-0.70	-0.000401	± 2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-4.70	-0.002693	± 2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-5.10	-0.002923	± 2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-2.90	-0.001638	± 2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	-5.40	-0.003051	± 2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	-5.70	-0.003220	± 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
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	-3.50	-0.002035	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-2.00	-0.001163	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-12.00	-0.006977	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-5.00	-0.002907	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-5.70	-0.003314	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-1.70	-0.000974	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-0.40	-0.000229	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	2.80	0.001605	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-8.00	-0.004585	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-4.20	-0.002407	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	-7.70	-0.004350	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	0.50	0.000282	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-4.90	-0.002768	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-1.30	-0.000734	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	-2.10	-0.001186	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	-2.20	-0.001279	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	0.60	0.000349	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	-2.20	-0.001279	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	0.30	0.000174	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	-11.10	-0.006453	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-0.30	-0.000172	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-8.40	-0.004814	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-6.50	-0.003725	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-11.90	-0.006819	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	2.60	0.001490	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-3.60	-0.002034	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	-6.80	-0.003842	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-8.50	-0.004802	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	0.10	0.000056	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	-2.20	-0.001243	±2.5	PASS

The End