

Figure 188 Spurious Emissions (Upper Band Edge) – QPSK (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)

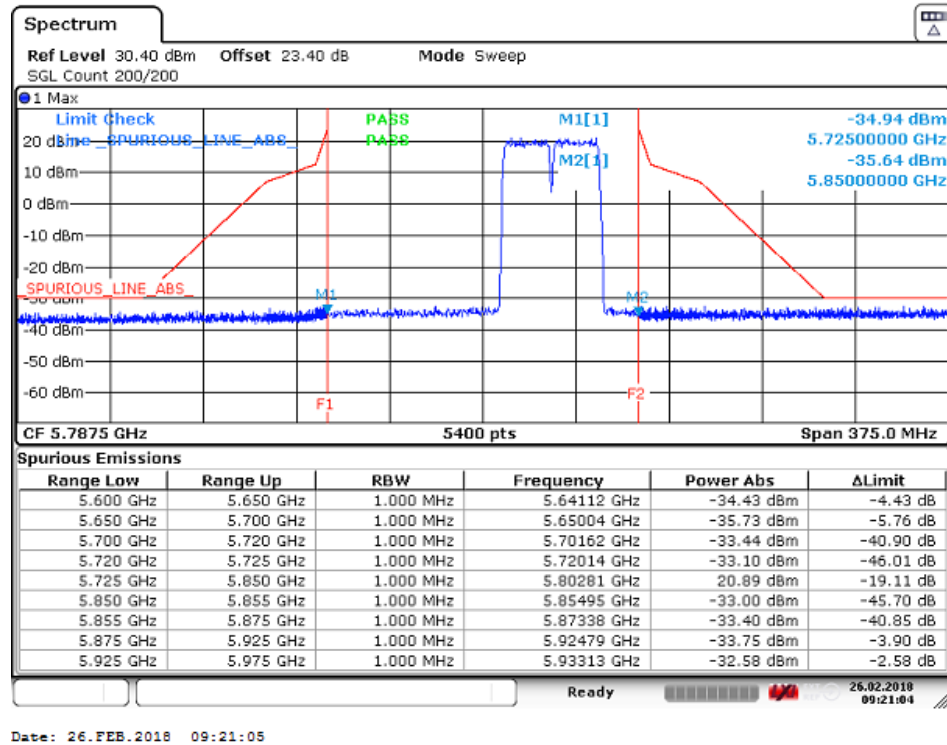


Figure 189 Spurious Emissions (Upper Band Edge) – 64QAM (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)

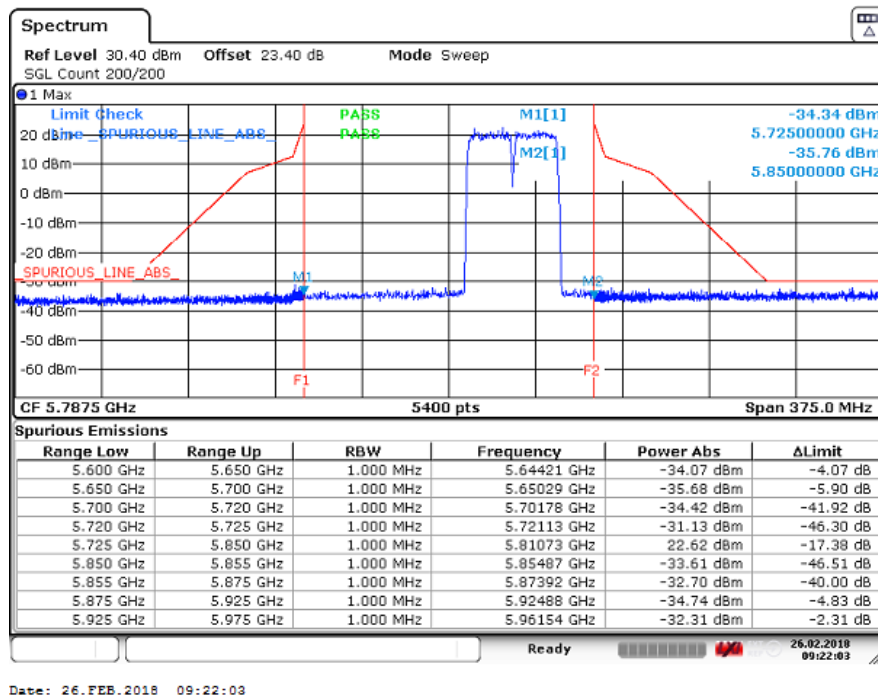


Figure 190 Spurious Emissions (Upper Band Edge) – 16QAM (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)

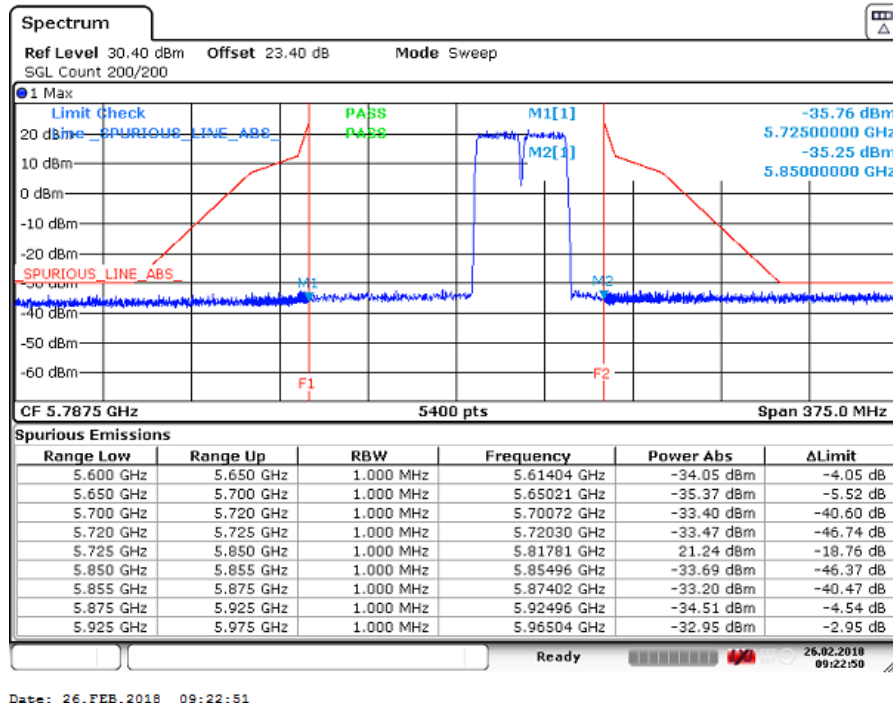


Figure 191 Spurious Emissions (Upper Band Edge) – 256QAM (5805.0/ 5825.0 MHz) (2 X 20MHz Channel BW)

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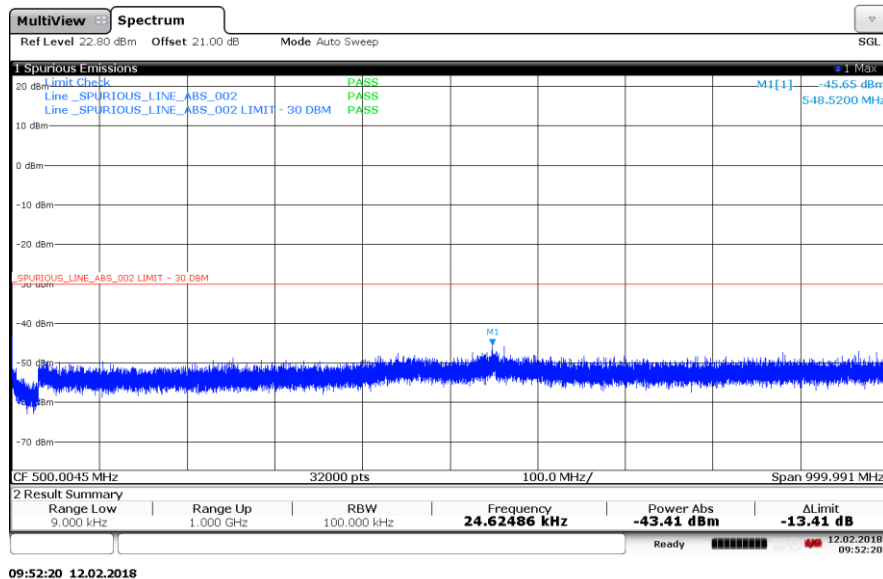


Figure 192 Spurious Emissions (9 kHz – 1 GHz) – QPSK (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

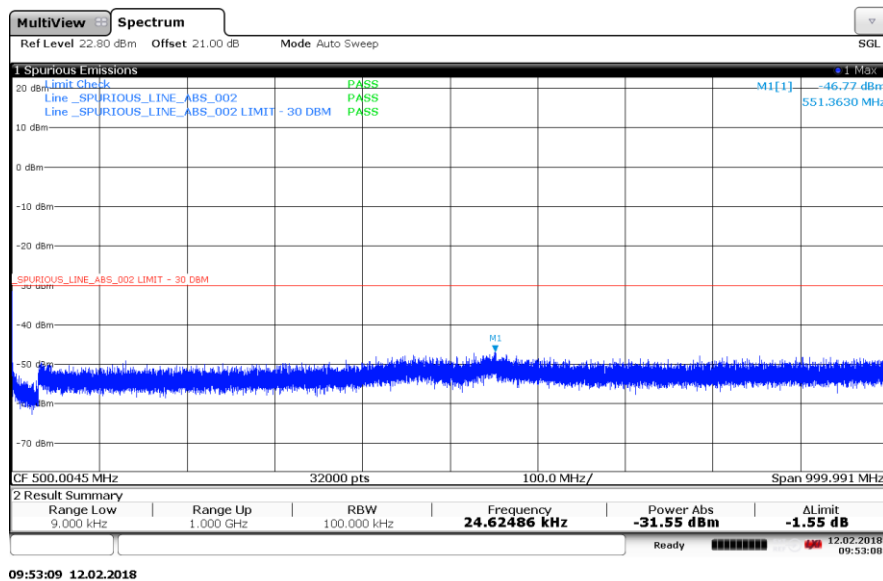


Figure 193 Spurious Emissions (9 kHz – 1 GHz) – 64QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

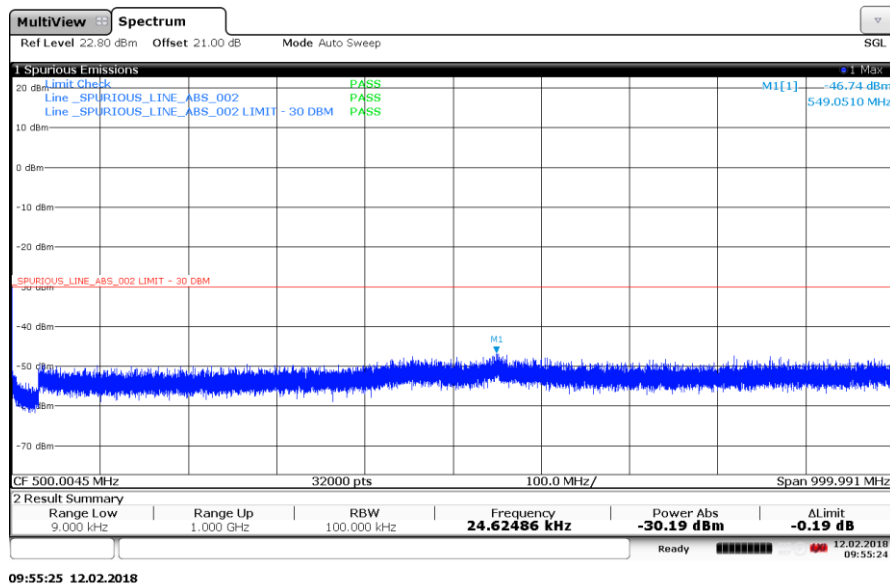


Figure 194 Spurious Emissions (9 kHz – 1 GHz) – 256QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

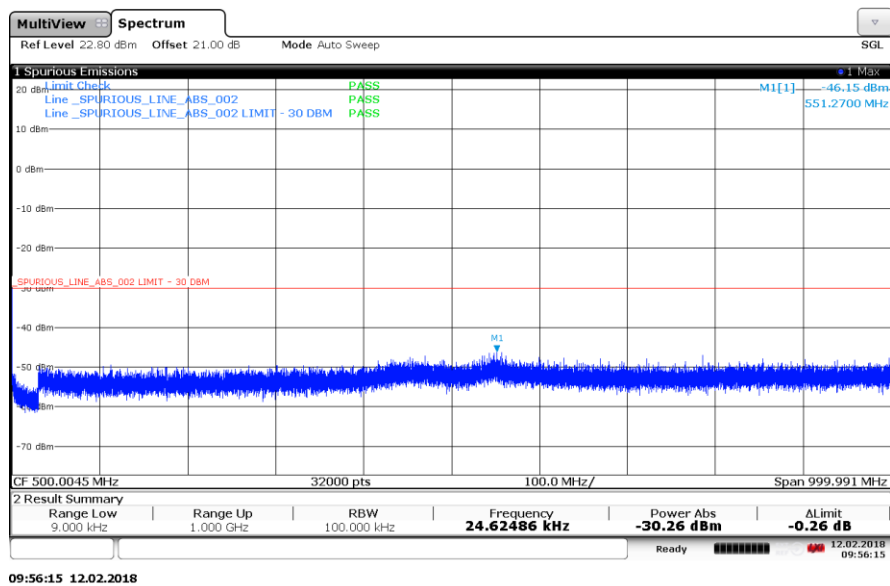
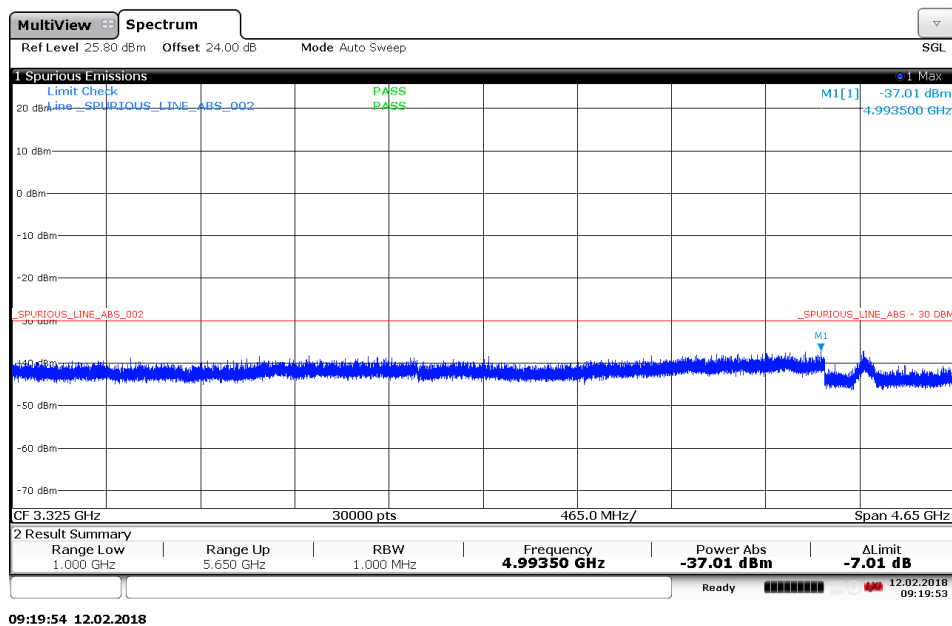
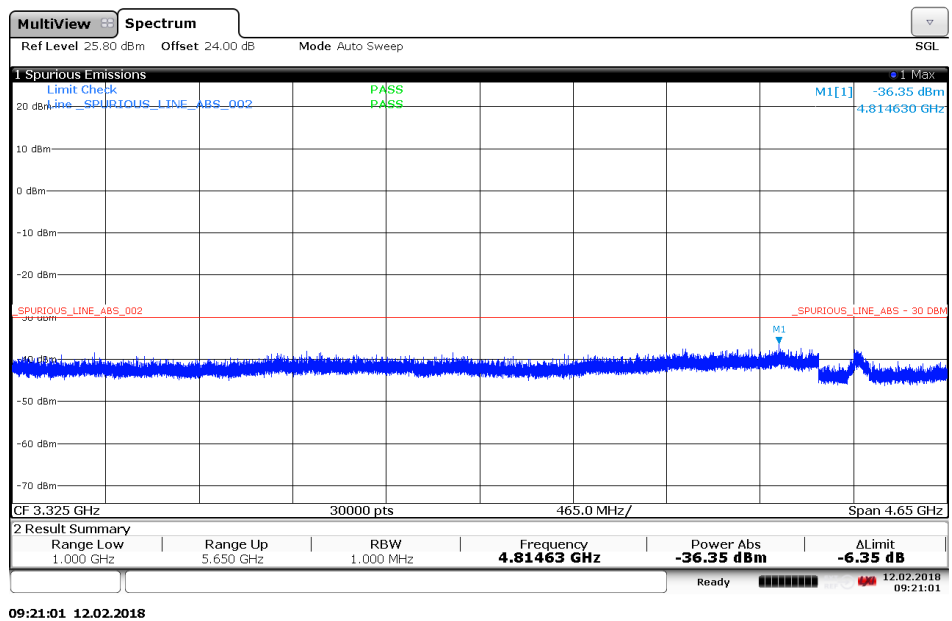


Figure 195 Spurious Emissions (9 kHz – 1 GHz) – 256QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)



09:19:54 12.02.2018

Figure 196 Spurious Emissions (1 GHz – 5.65 GHz) – QPSK (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)



09:21:01 12.02.2018

Figure 197 Spurious Emissions (1 GHz – 5.65 GHz) – 64QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

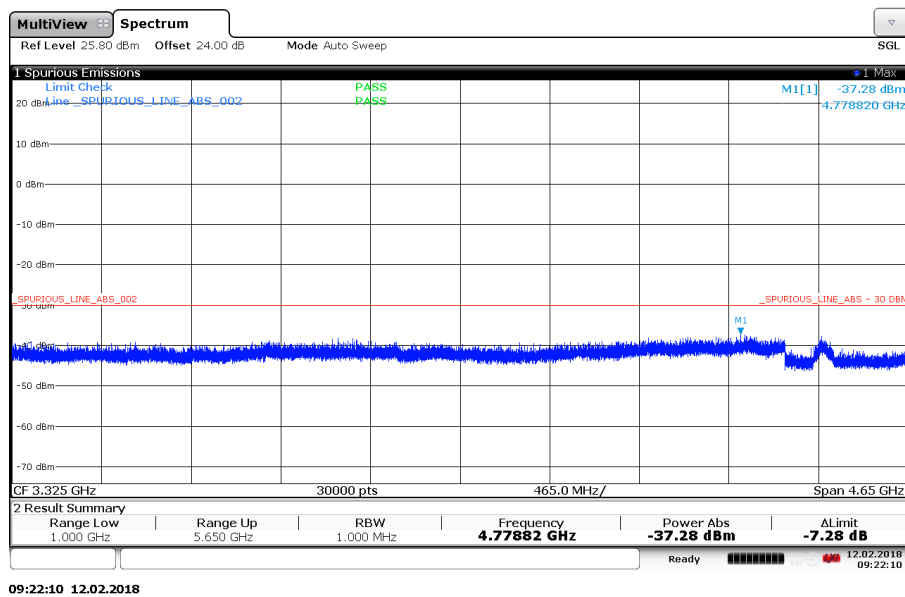


Figure 198 Spurious Emissions (1 GHz – 5.65 GHz) – 16QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

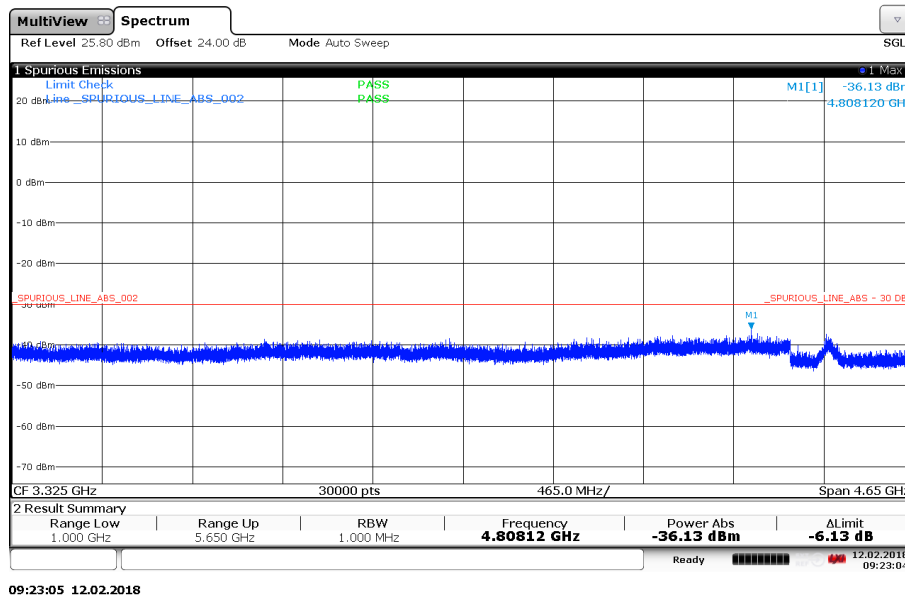


Figure 199 Spurious Emissions (1 GHz – 5.65 GHz) – 256QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

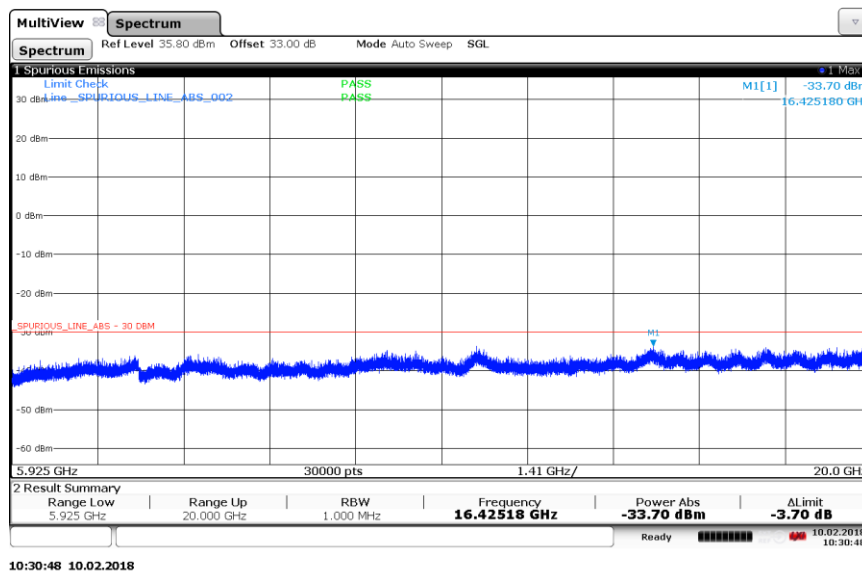


Figure 200 Spurious Emissions (5.925 GHz – 20 GHz) – QPSK (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

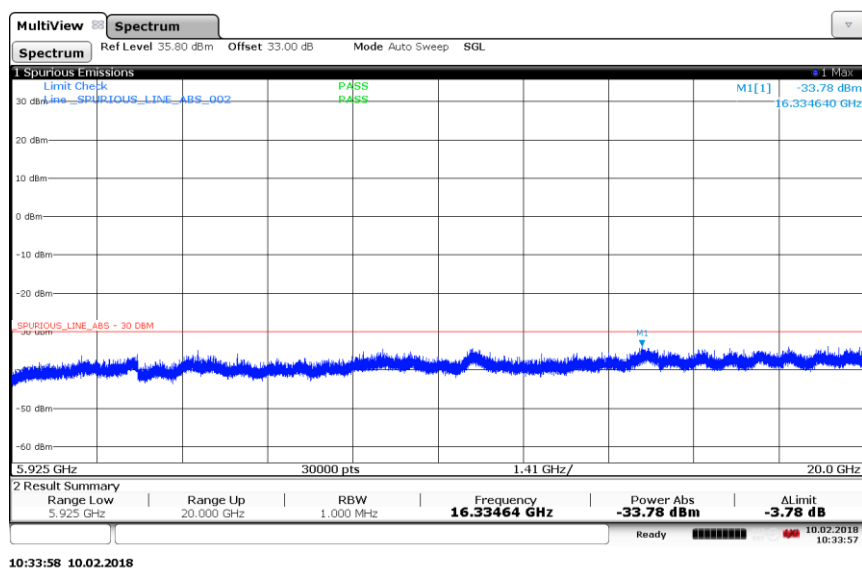


Figure 201 Spurious Emissions (5.925 GHz – 20 GHz) – 64QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

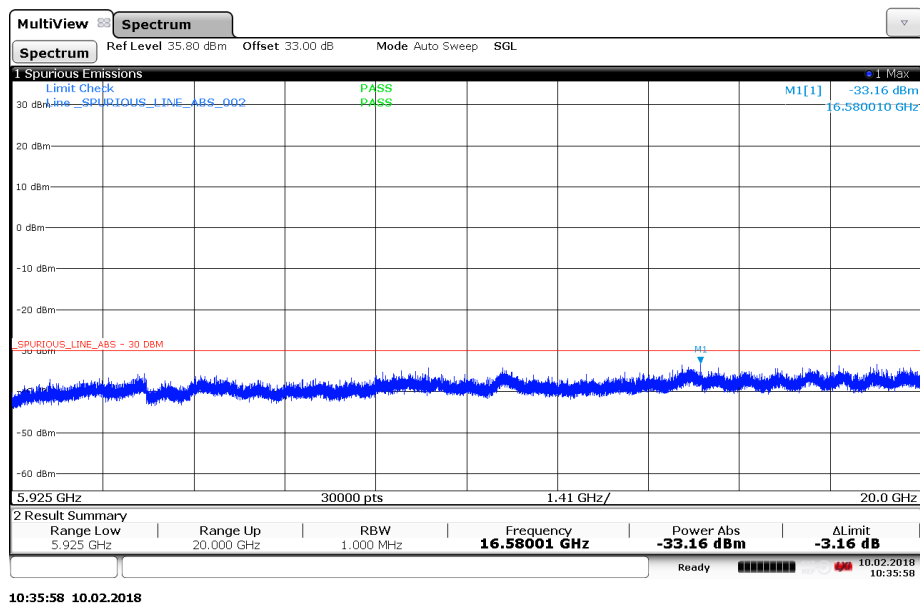


Figure 202 Spurious Emissions (5.925 GHz – 20 GHz) – 16QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

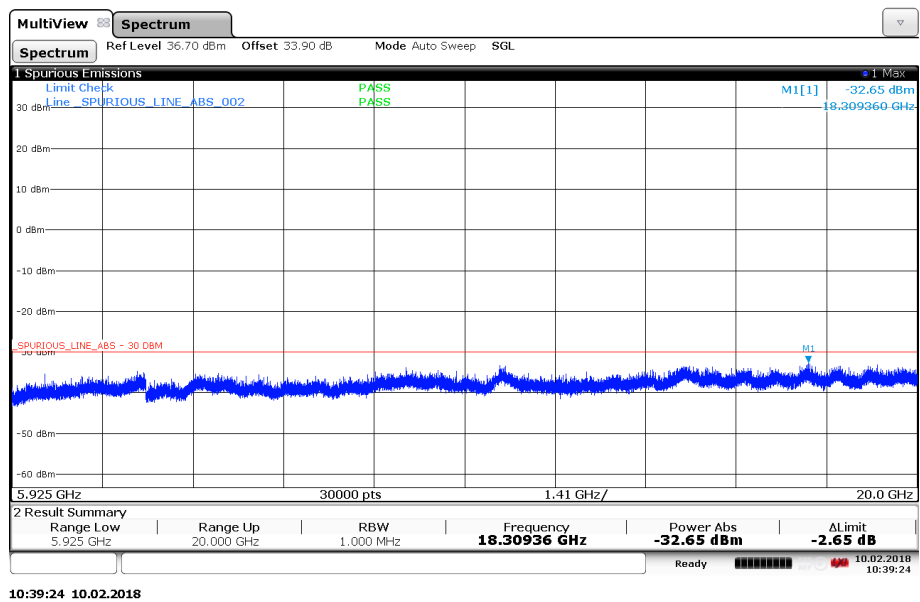


Figure 203 Spurious Emissions (5.925 GHz – 20 GHz) – 256QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

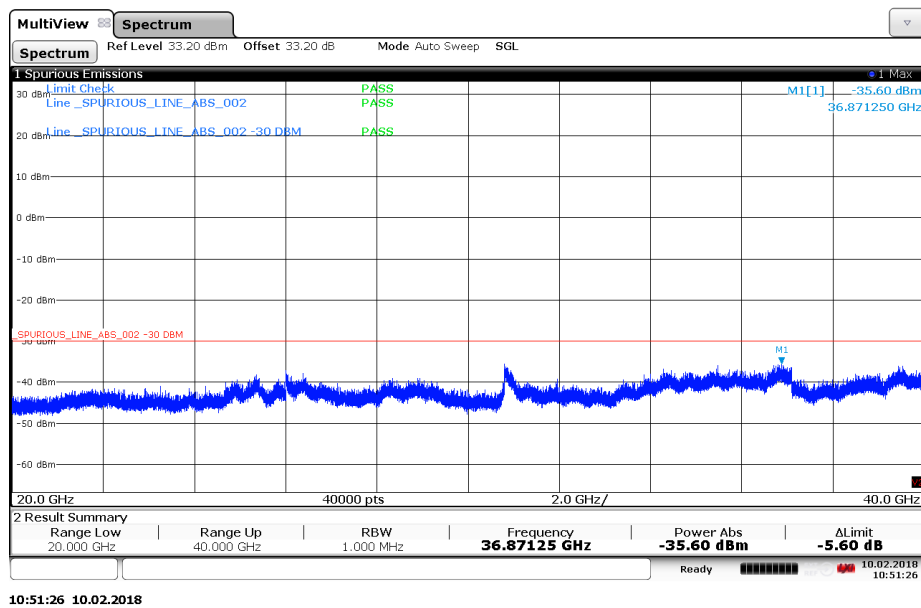


Figure 204 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

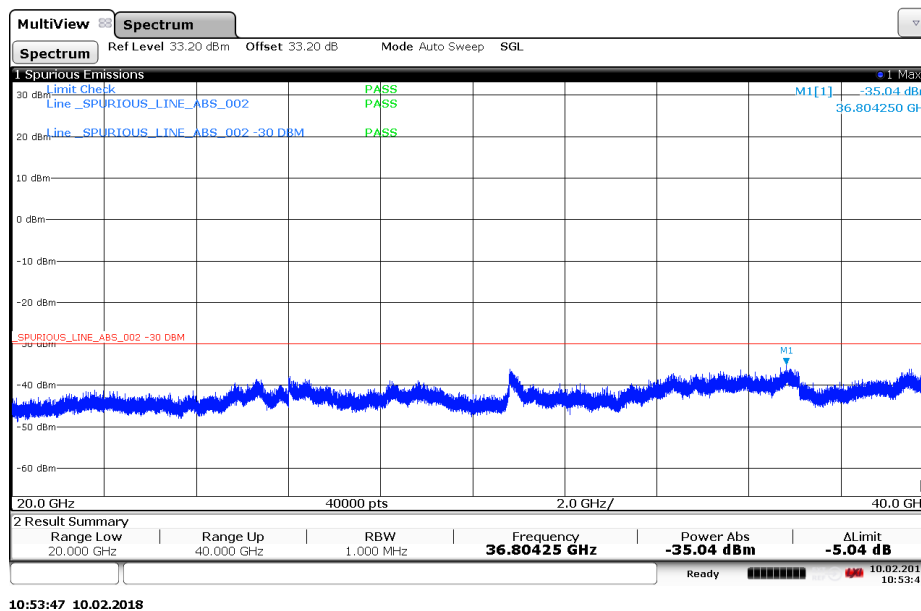


Figure 205 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

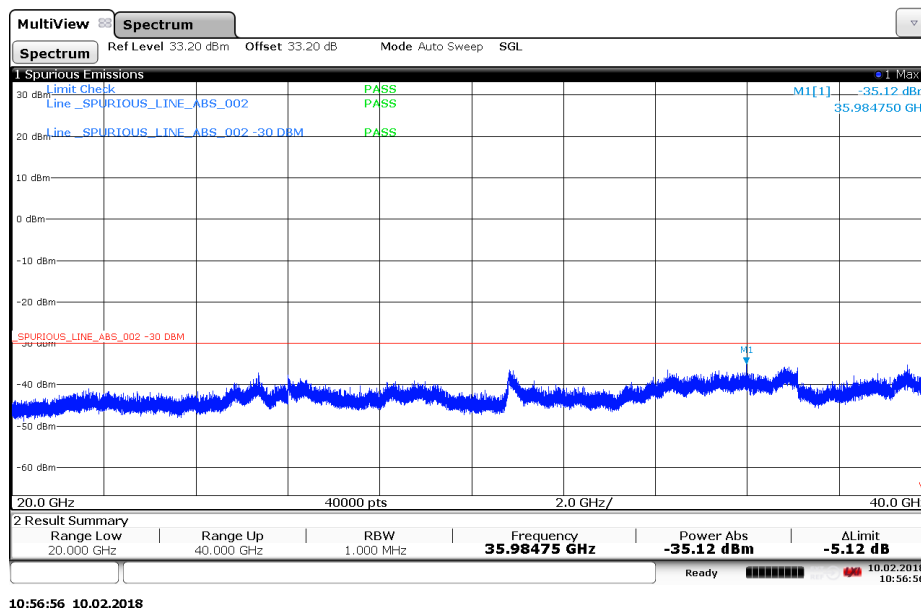


Figure 206 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

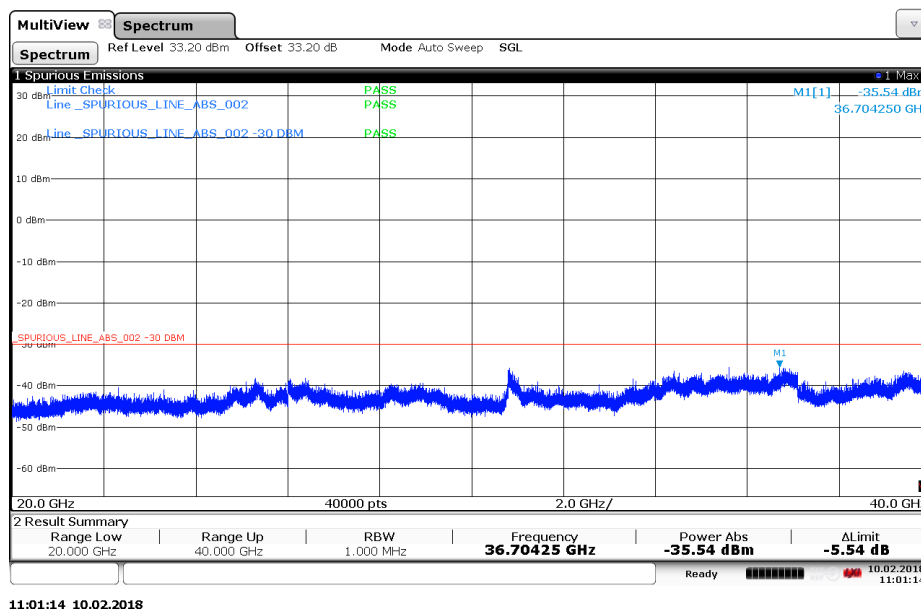


Figure 207 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5765.0/ 5805.0 MHz) (2 X 20MHz Channel BW)

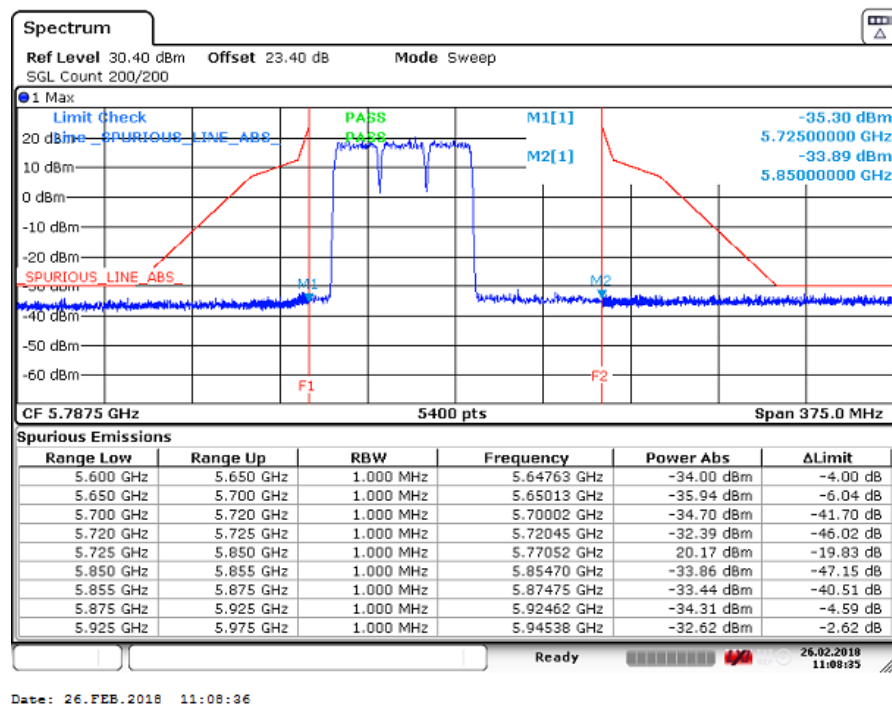


Figure 208 Spurious Emissions (Lower Band Edge) – QPSK (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)

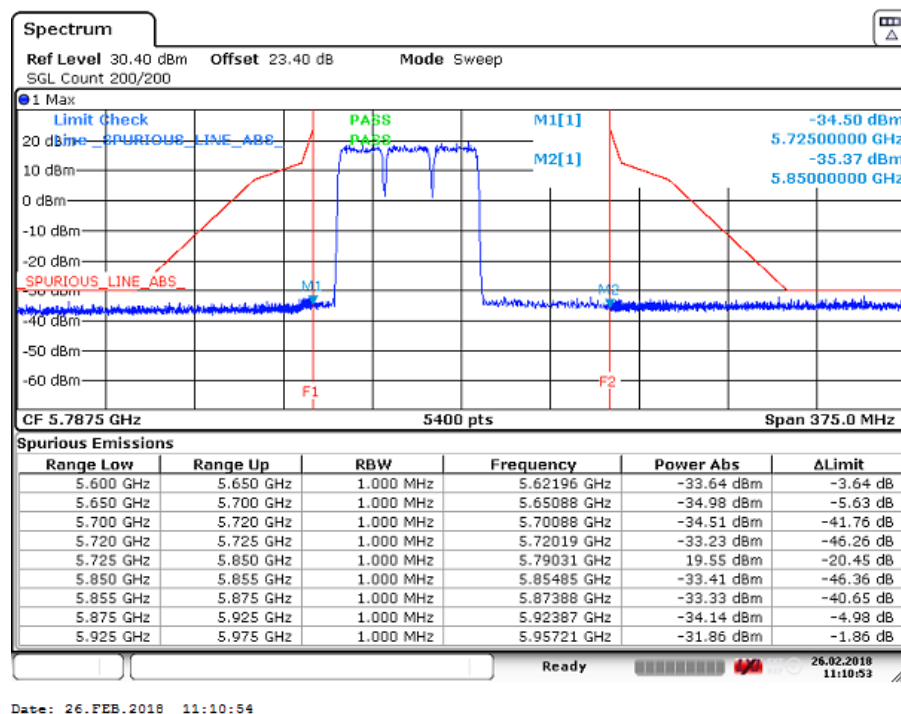


Figure 209 Spurious Emissions (Lower Band Edge) – 64QAM (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)

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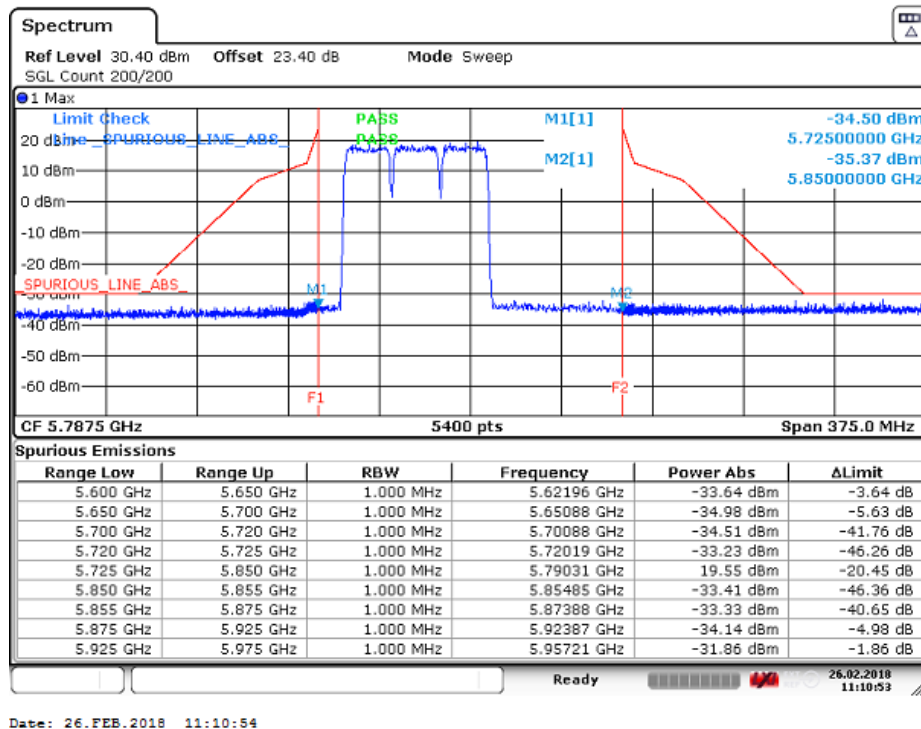
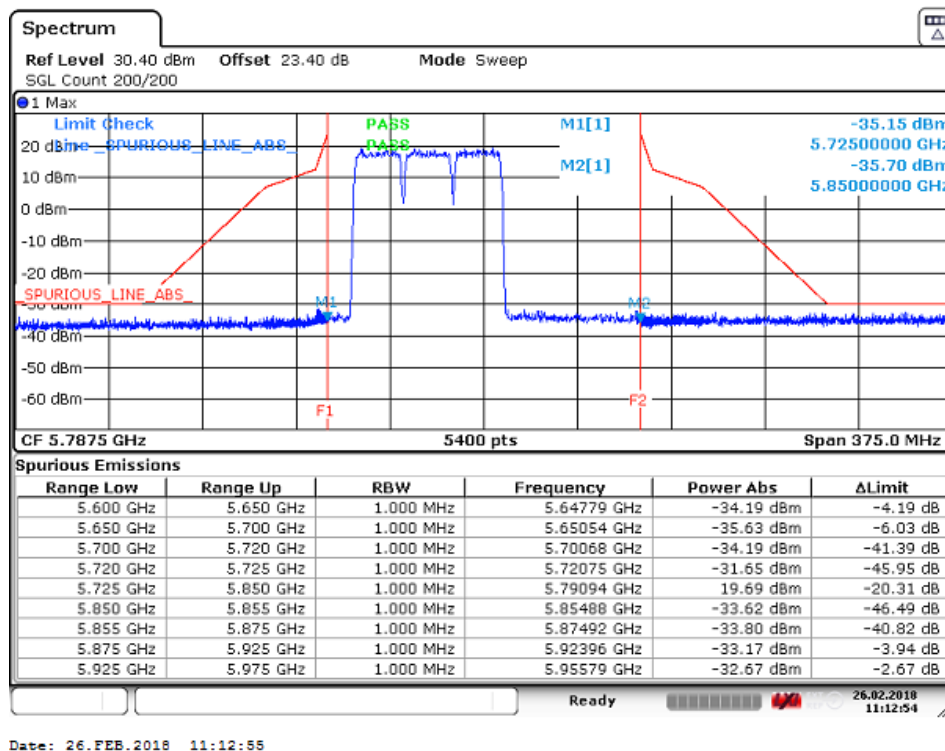


Figure 210 Spurious Emissions (Lower Band Edge) – 16QAM (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)



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Figure 211 Spurious Emissions (Lower Band Edge) – 256QAM (5745.0/ 5765.0/ 5785.0 MHz) (3 X 20MHz Channel BW)

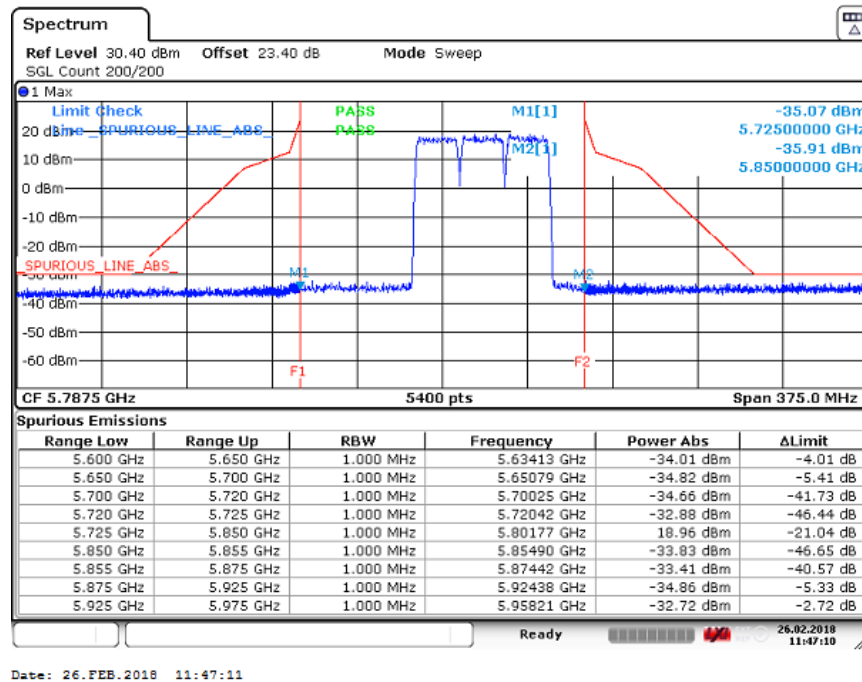


Figure 212 Spurious Emissions (Upper Band Edge) – QPSK (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)

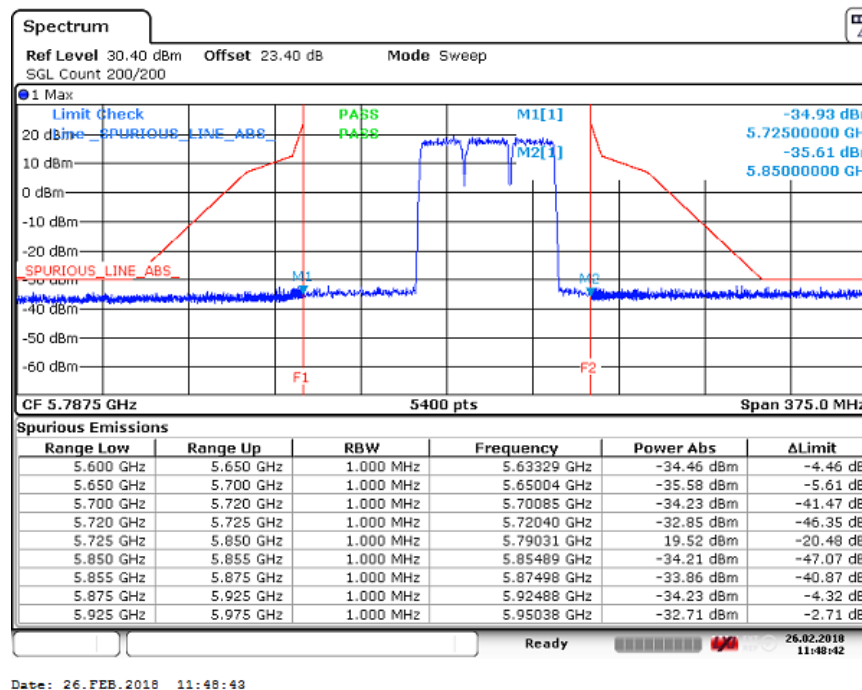


Figure 213 Spurious Emissions (Upper Band Edge) – 64QAM (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)

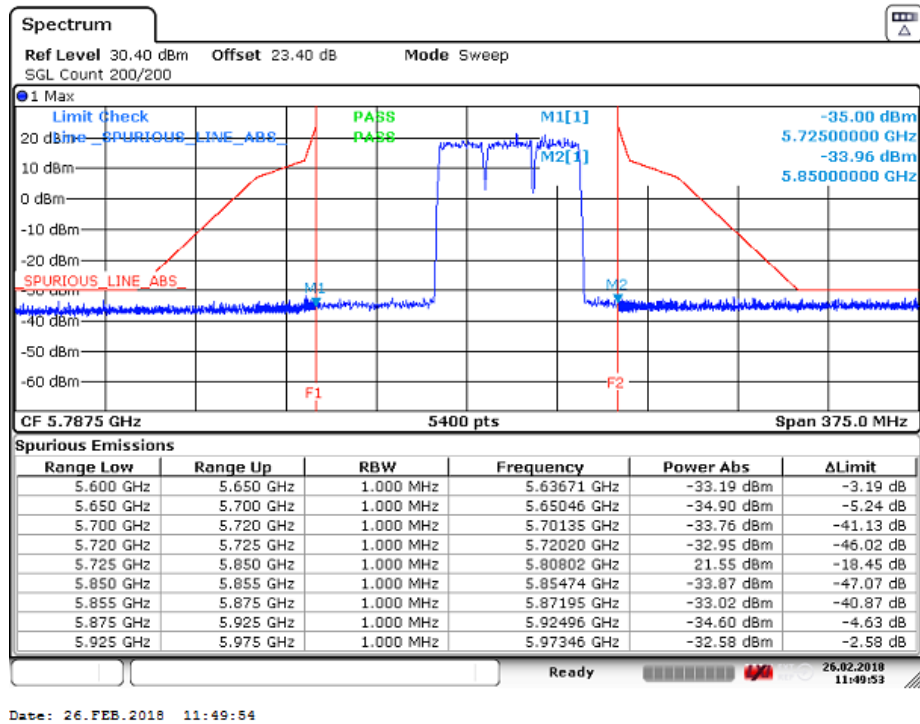


Figure 214 Spurious Emissions (Upper Band Edge) – 16QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

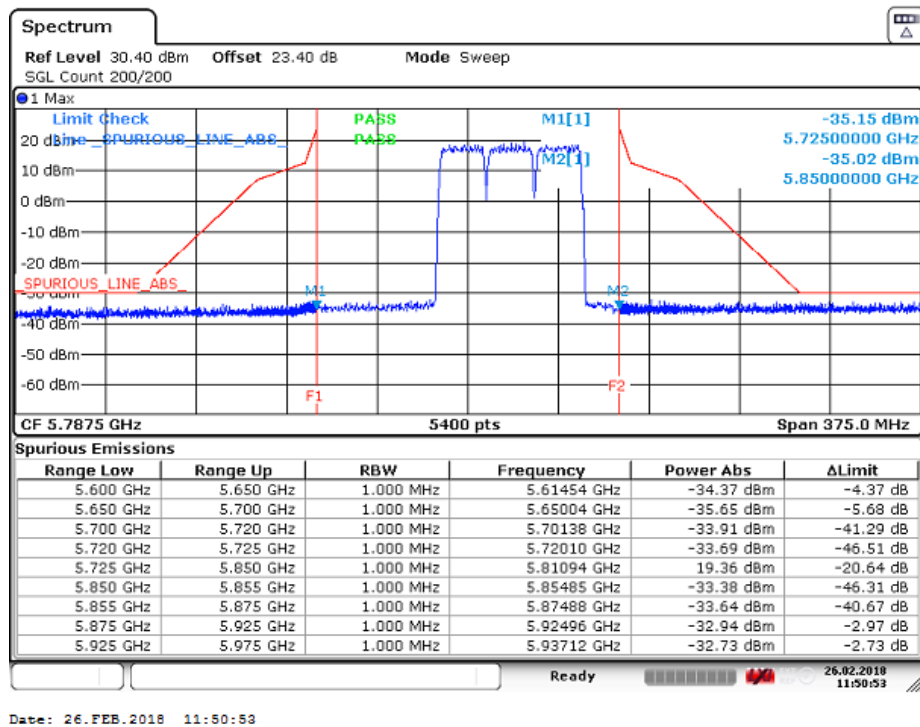


Figure 215 Spurious Emissions (Upper Band Edge) – 256QAM (5785.0/ 5805.0/ 5825.0 MHz) (3 X 20MHz Channel BW)

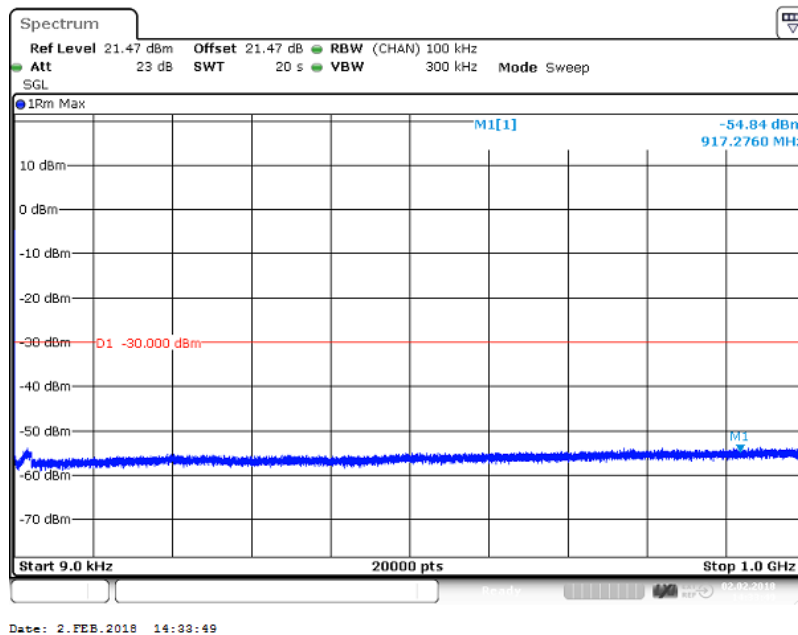


Figure 216 Spurious Emissions (9 kHz – 1 GHz) – QPSK (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

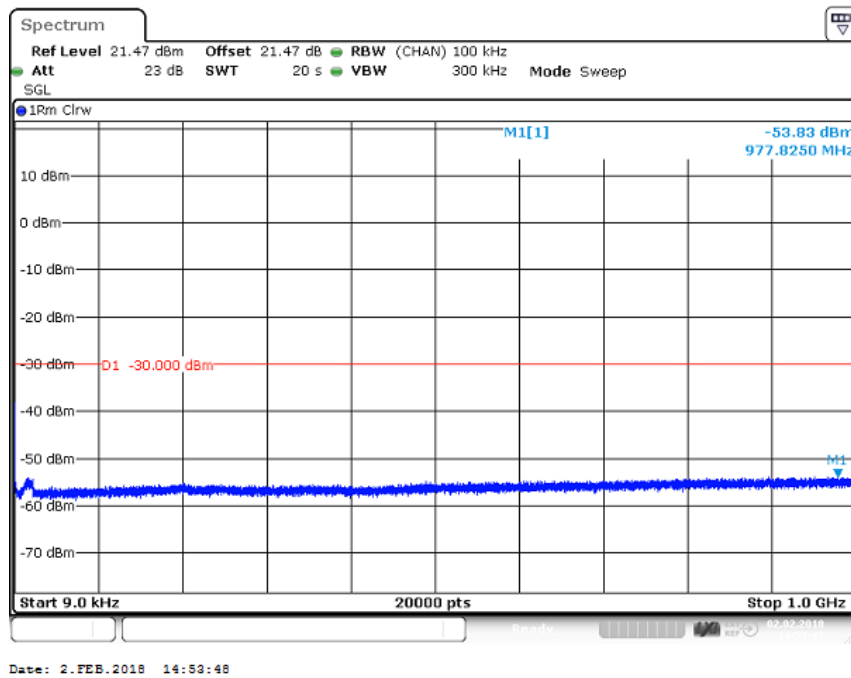


Figure 217 Spurious Emissions (9 kHz – 1 GHz) – 64QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

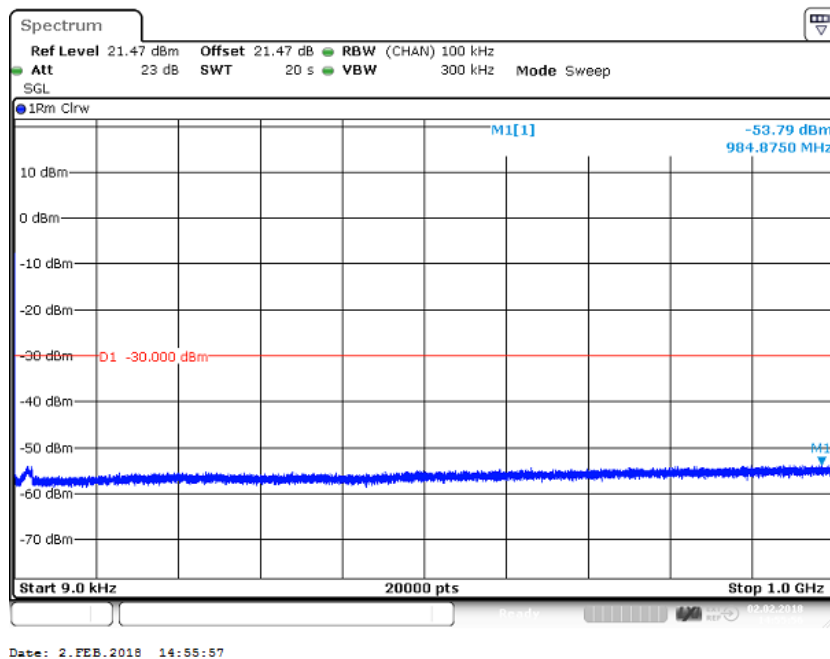


Figure 218 Spurious Emissions (9 kHz – 1 GHz) – 16QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

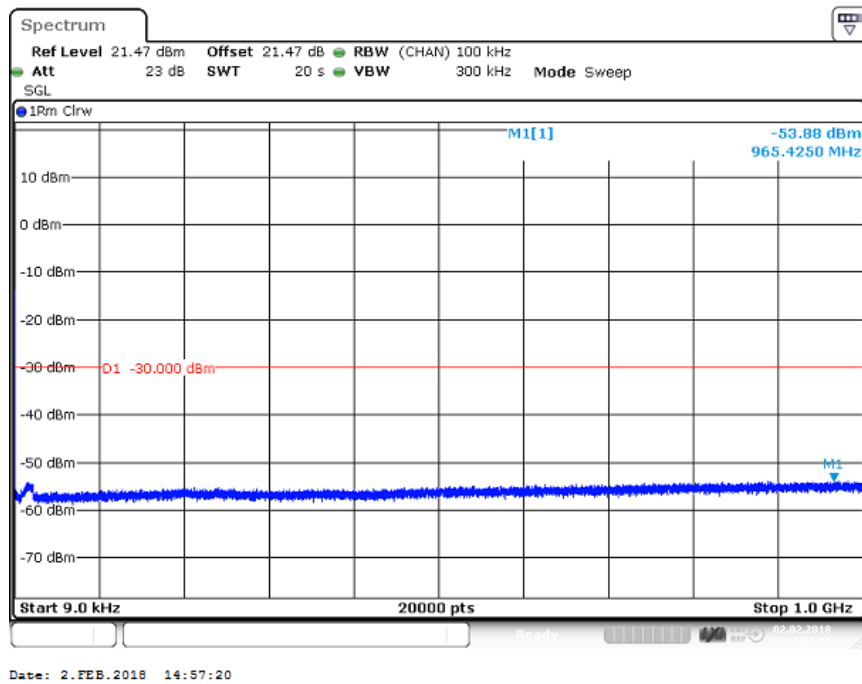


Figure 219 Spurious Emissions (9 kHz – 1 GHz) – 256QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

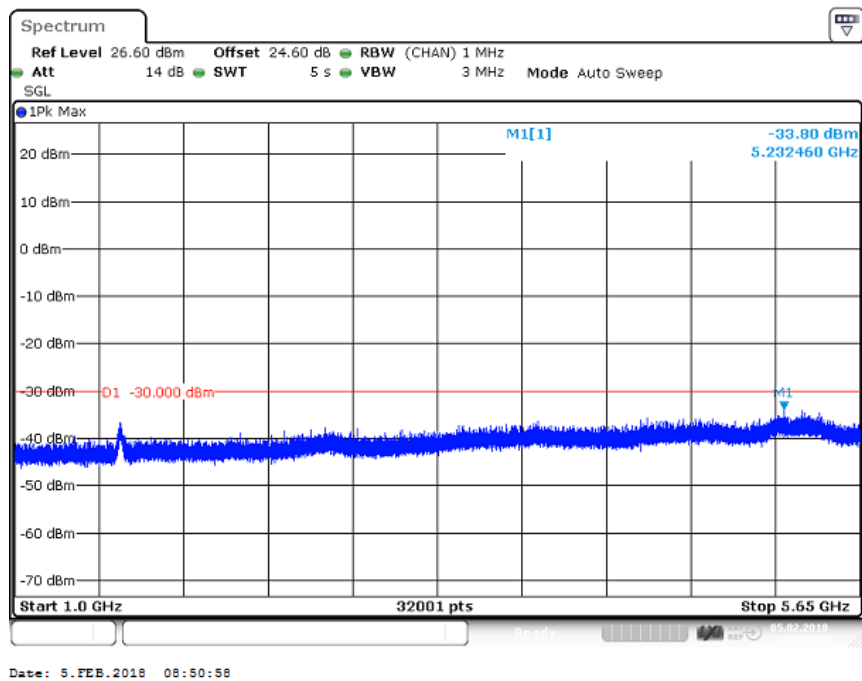


Figure 220 Spurious Emissions (1 GHz – 5.65 GHz) – QPSK (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

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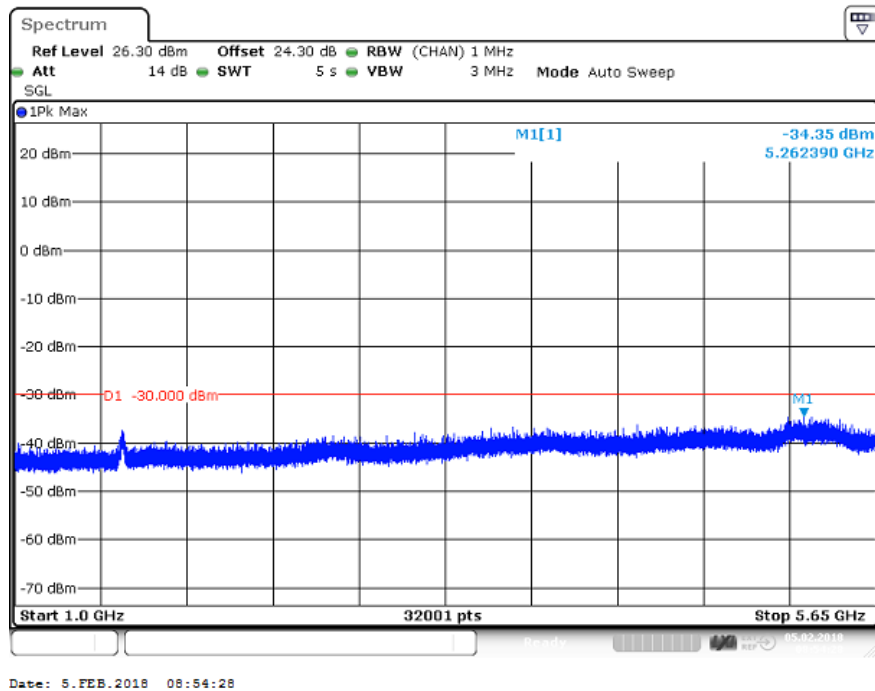


Figure 221 Spurious Emissions (1 GHz – 5.65 GHz) – 64QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

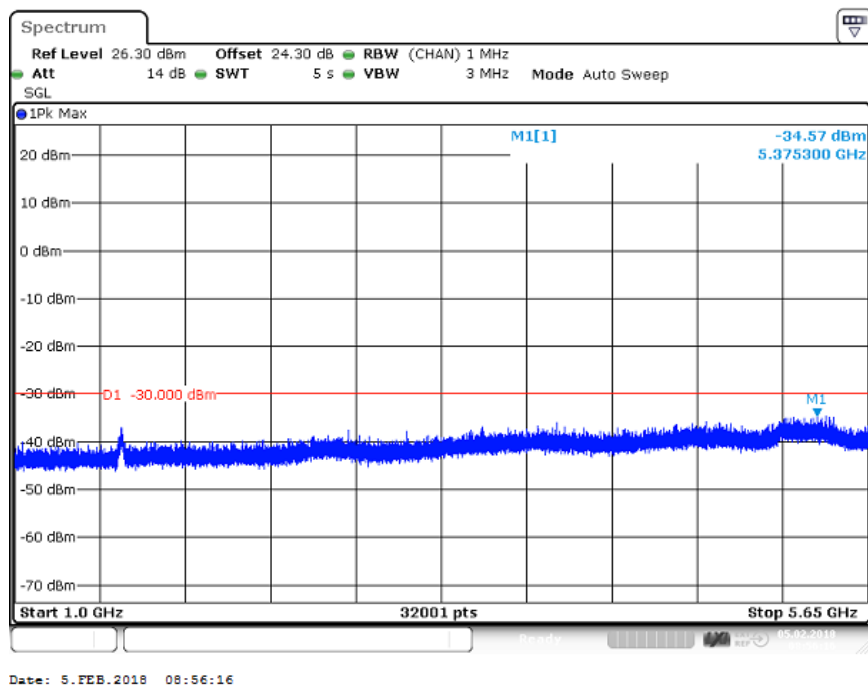


Figure 222 Spurious Emissions (1 GHz – 5.65 GHz) – 16QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

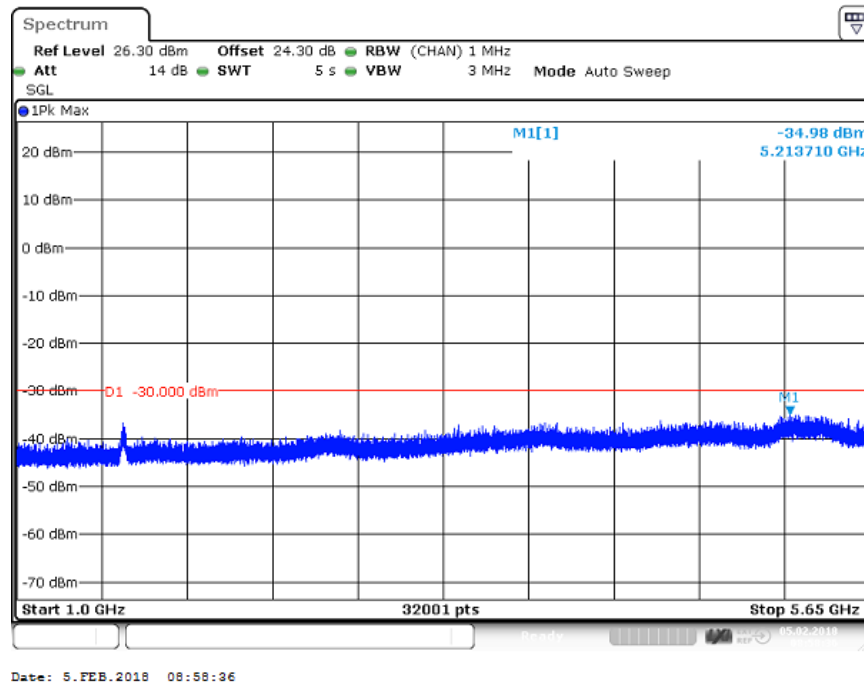


Figure 223 Spurious Emissions (1 GHz – 5.65 GHz) – 256QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

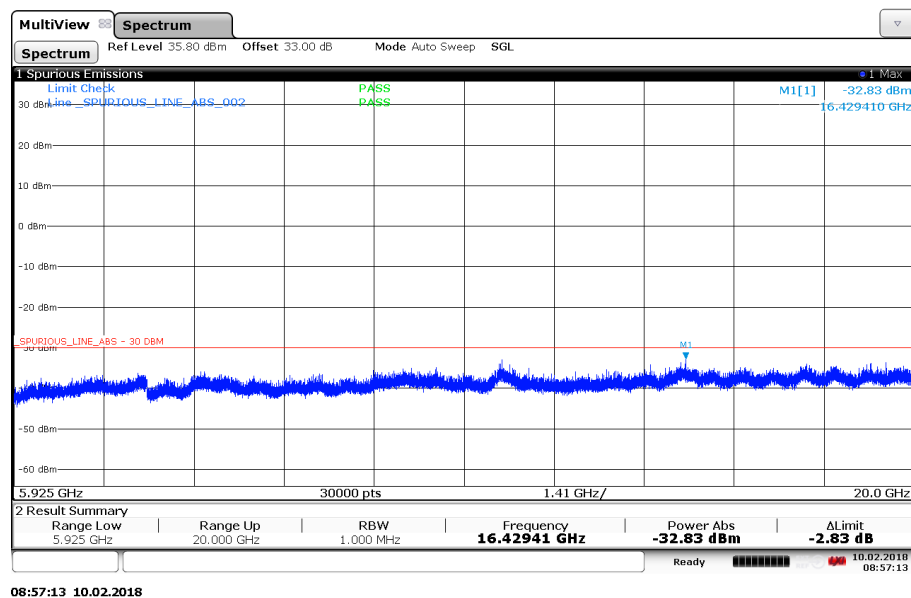


Figure 224 Spurious Emissions (5.925 GHz – 20 GHz) – QPSK (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

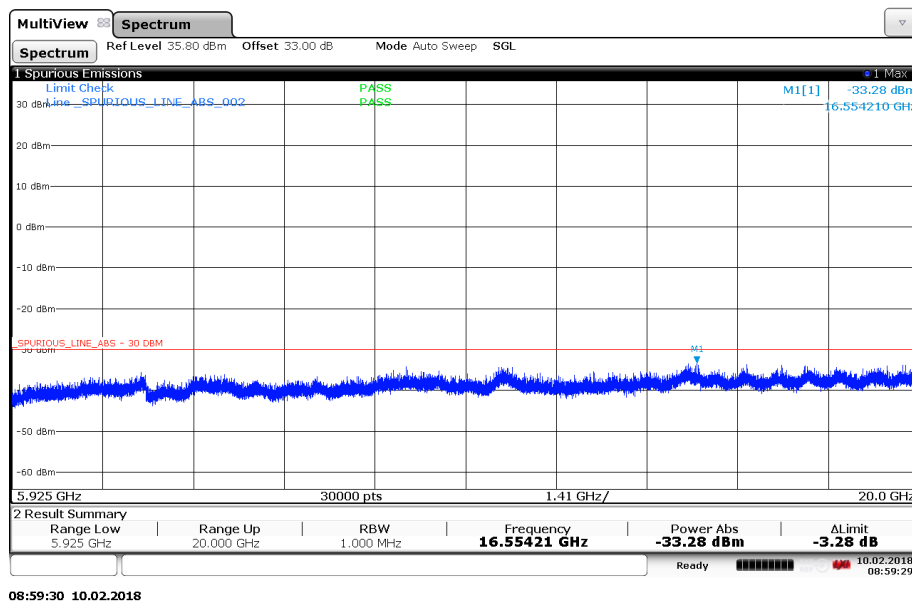


Figure 225 Spurious Emissions (5.925 GHz – 20 GHz) – 64QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

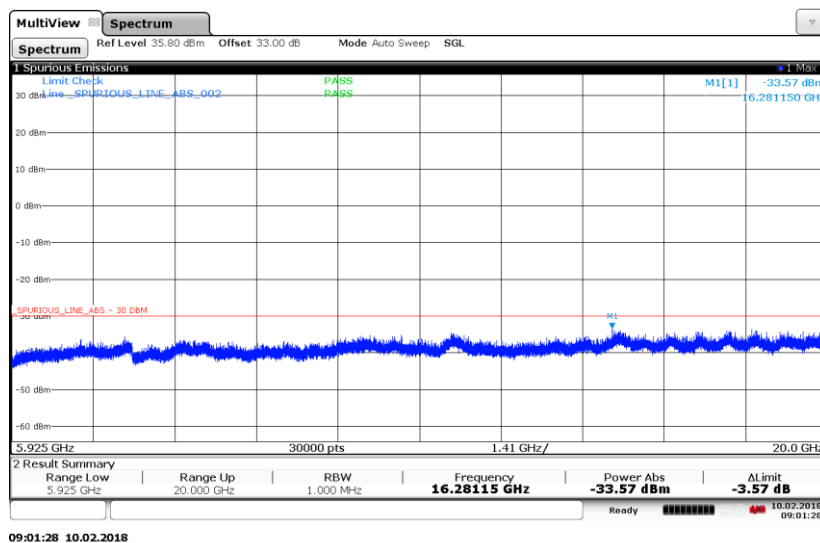


Figure 226 Spurious Emissions (5.925 GHz – 20 GHz) – 16QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

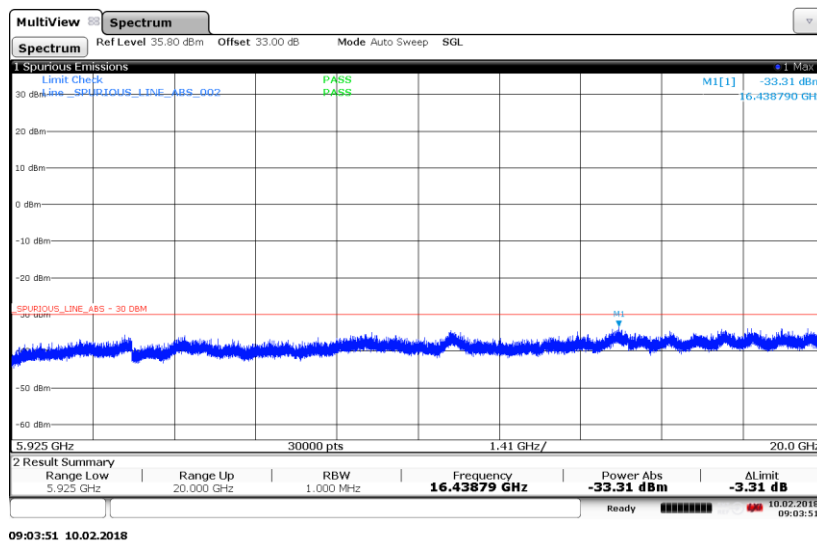


Figure 227 Spurious Emissions (5.925 GHz – 20 GHz) – 256QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

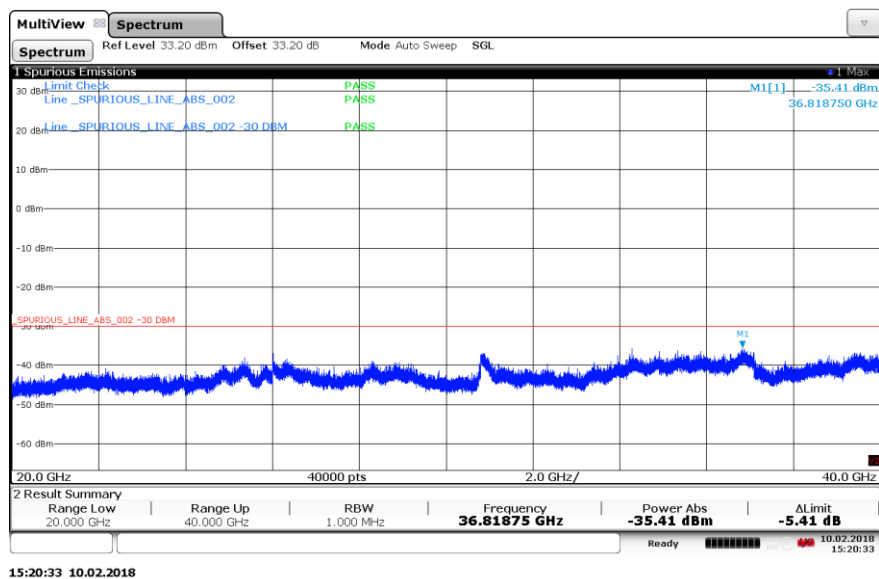


Figure 228 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

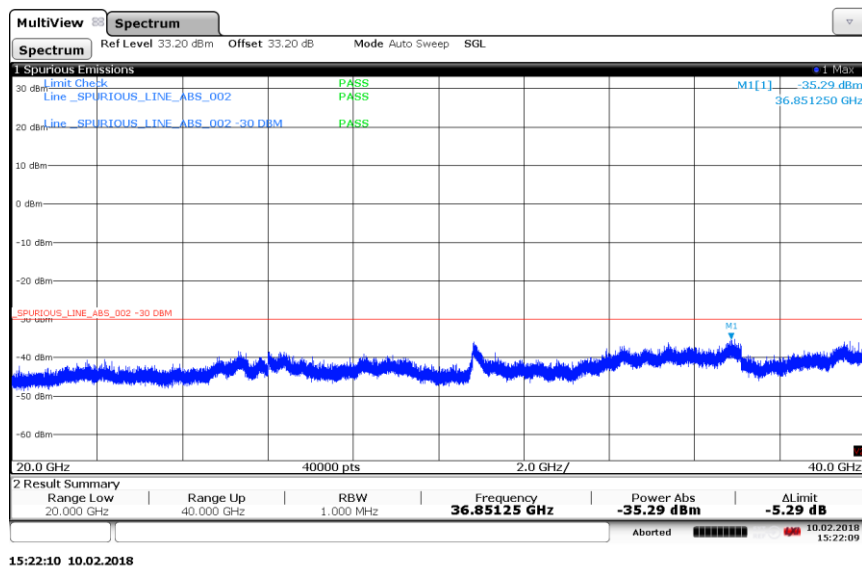


Figure 229 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

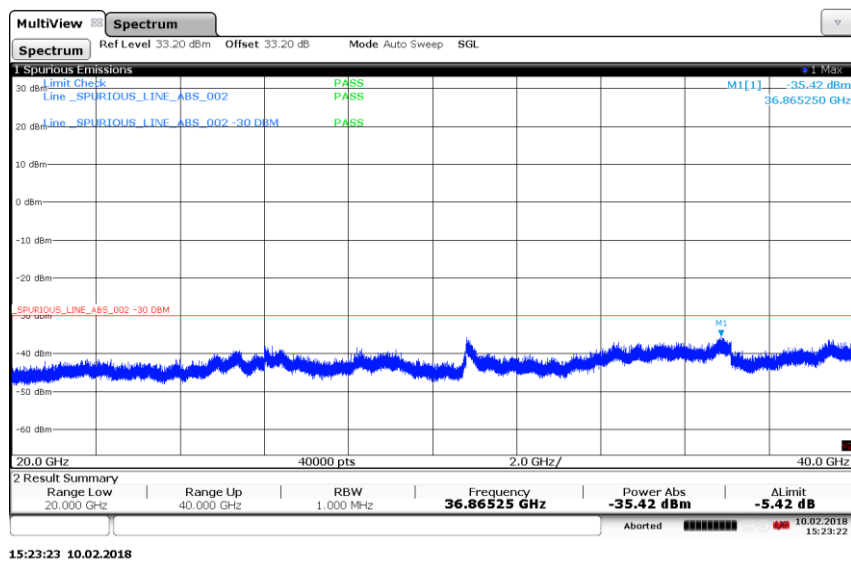


Figure 230 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

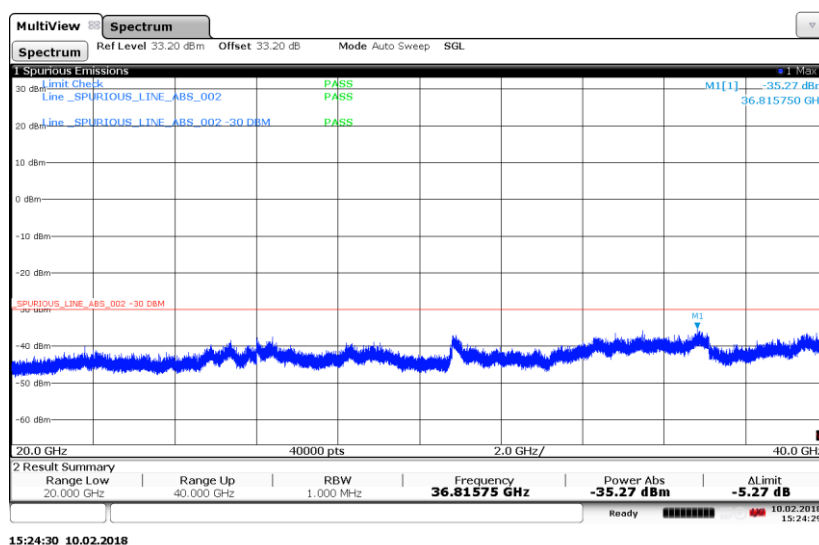


Figure 231 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5765.0/ 5785.0/ 5805.0 MHz) (3 X 20MHz Channel BW)

Config A ANT2 UNII-1:

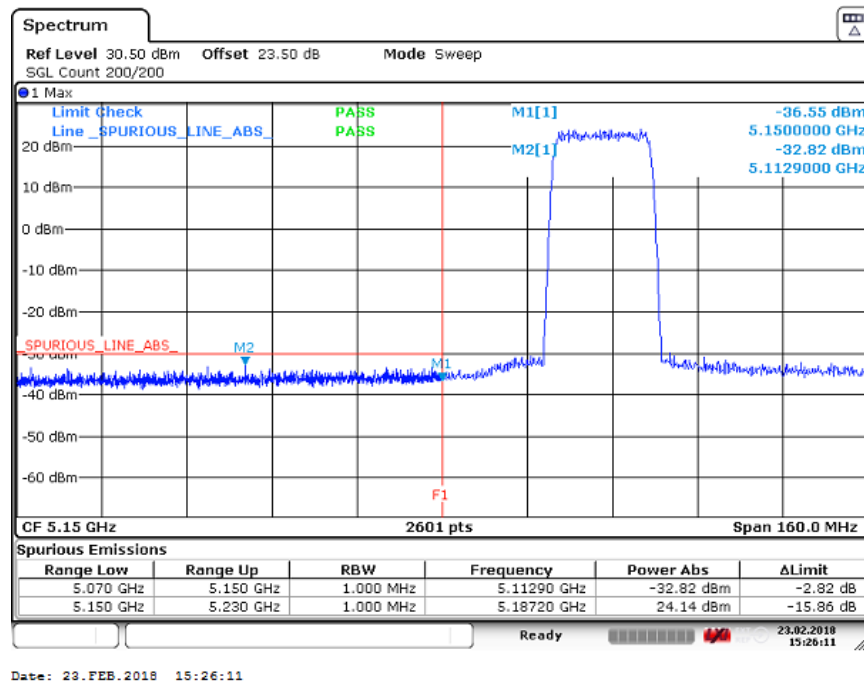


Figure 232 Spurious Emissions (Lower Band Edge) – QPSK (5180.0 MHz) (20MHz Channel BW)

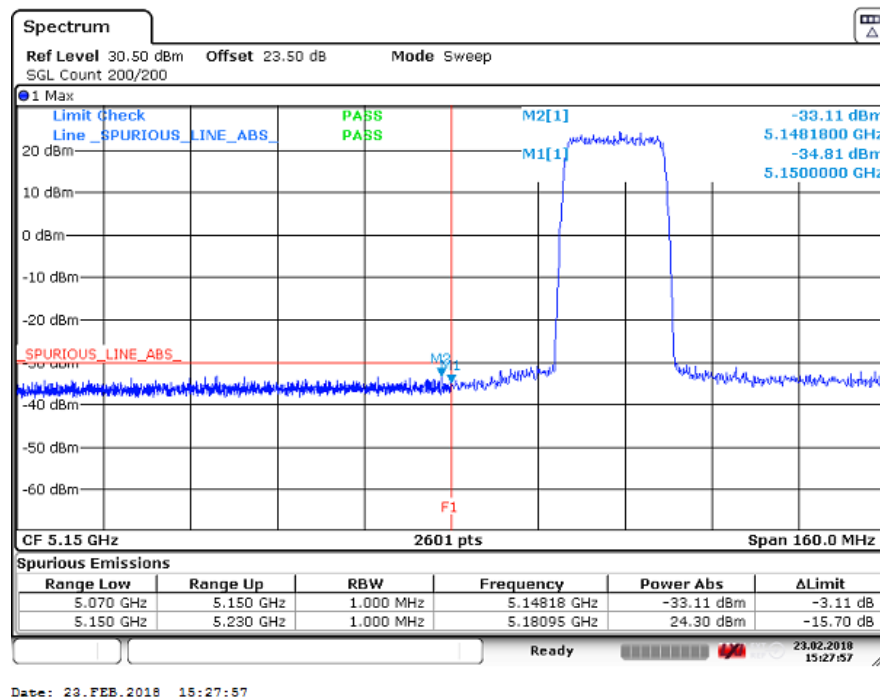


Figure 233 Spurious Emissions (Lower Band Edge) – 64QAM (5180.0 MHz) (20MHz Channel BW)

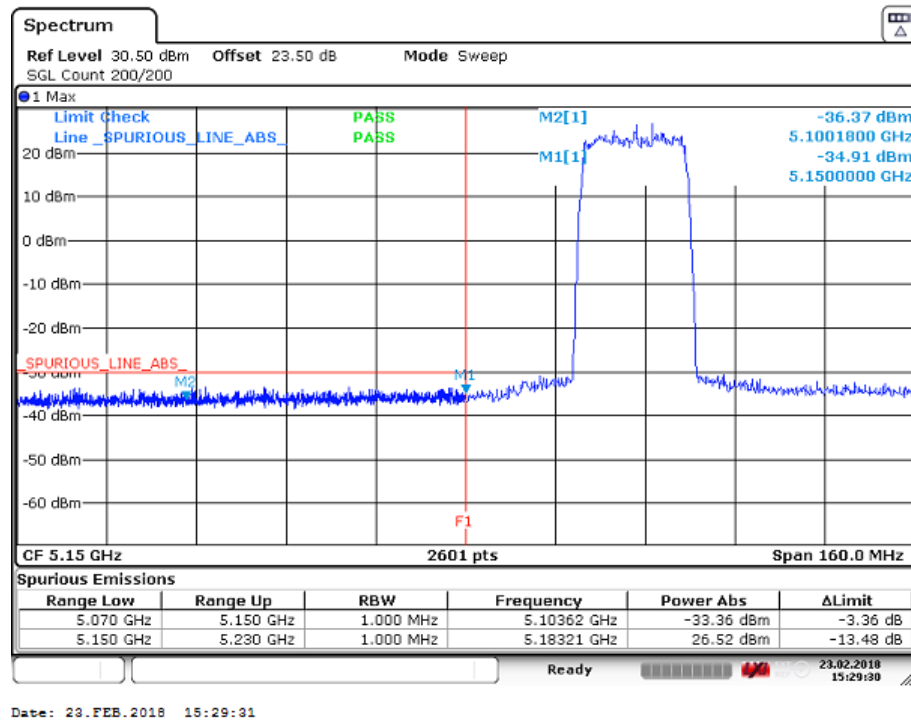
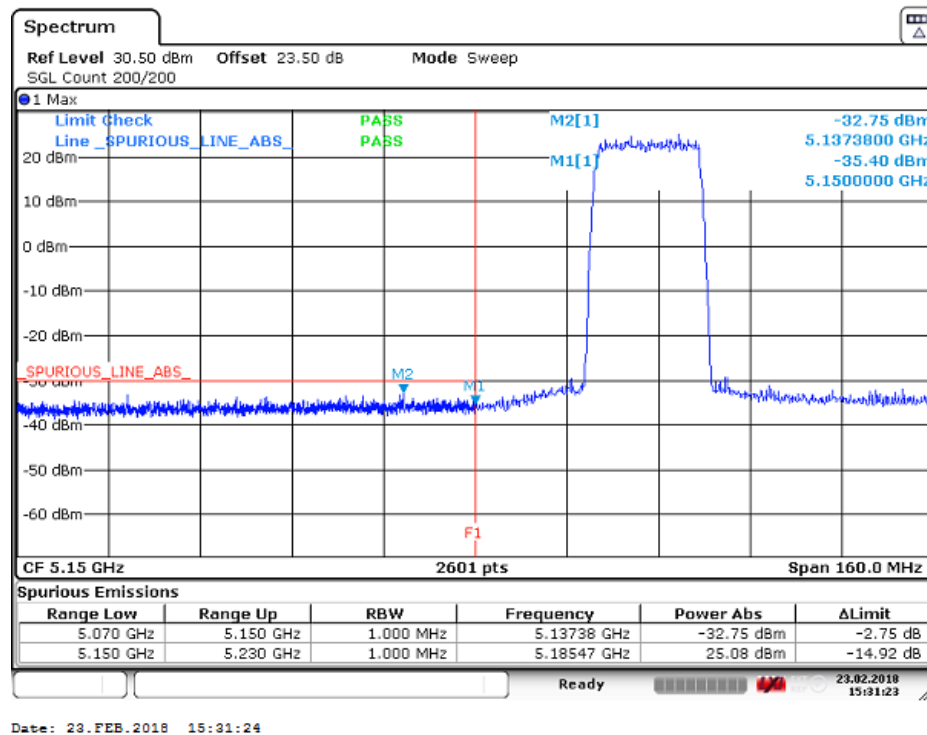


Figure 234 Spurious Emissions (Lower Band Edge) – 16QAM (5180.0 MHz) (20MHz Channel BW)



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Figure 235 Spurious Emissions (Lower Band Edge) – 256QAM (5180.0 MHz) (20MHz Channel BW)

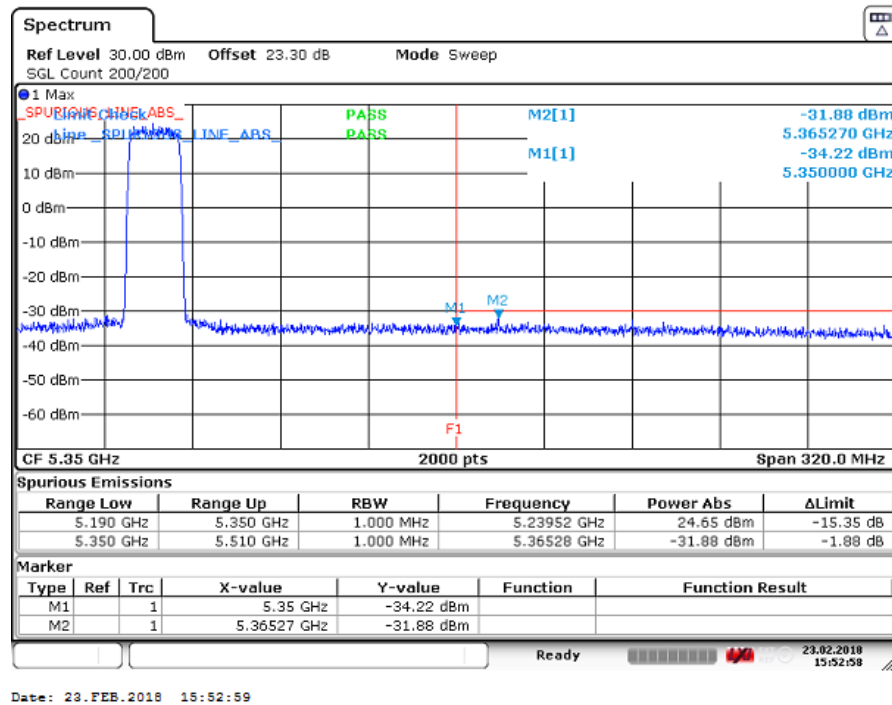
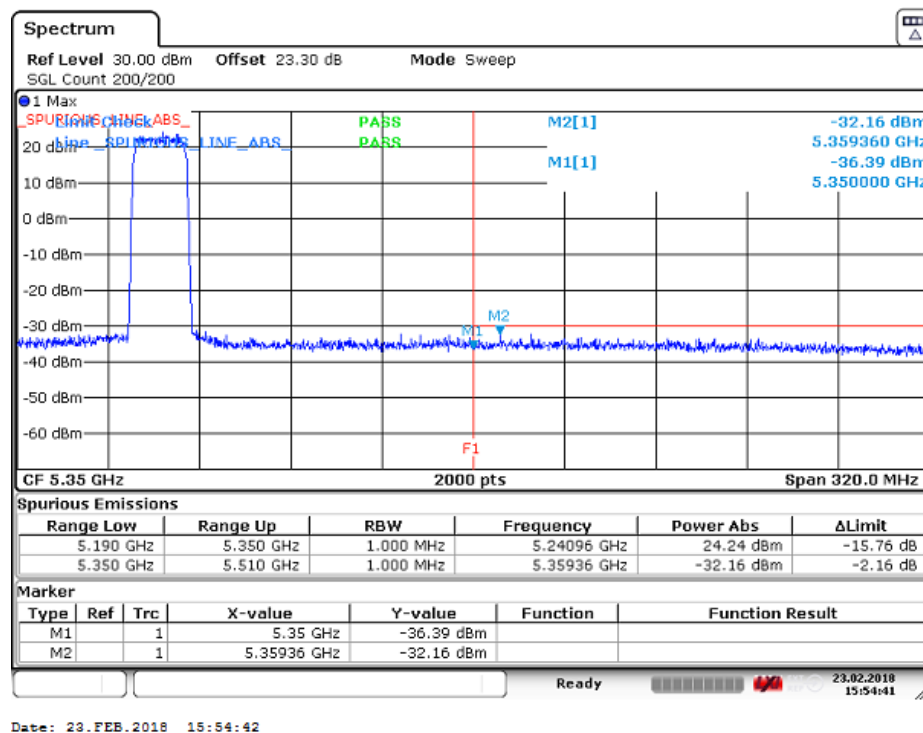


Figure 236 Spurious Emissions (Upper Band Edge) – QPSK (5240.0 MHz) (20MHz Channel BW)



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Figure 237 Spurious Emissions (Upper Band Edge) – 64QAM (5240.0 MHz) (20MHz Channel BW)

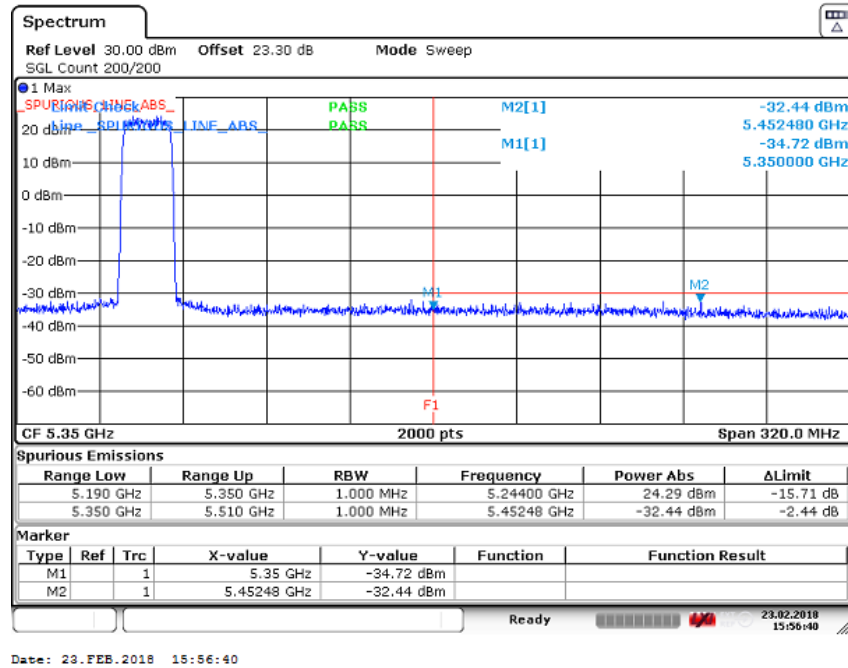
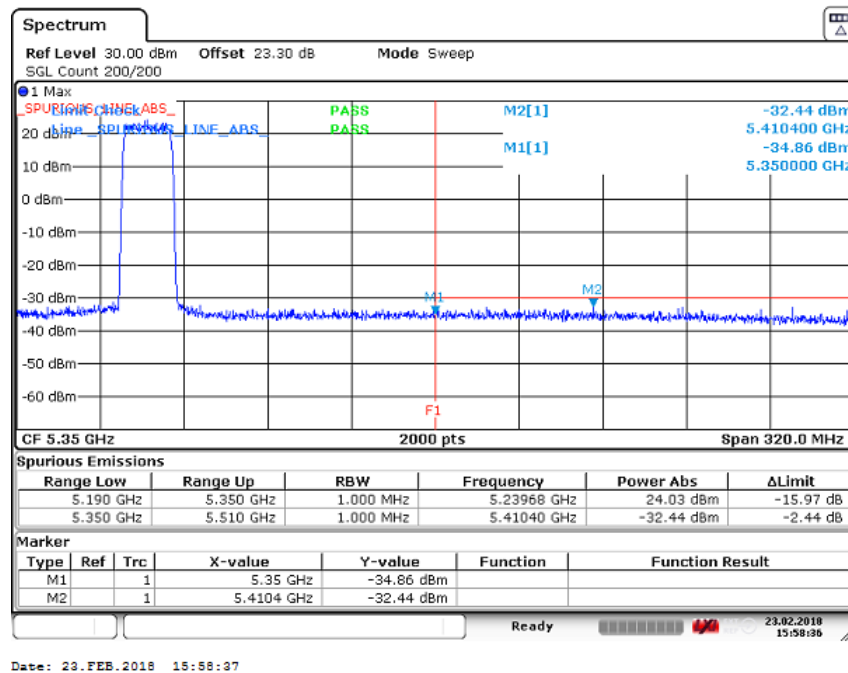


Figure 238 Spurious Emissions (Upper Band Edge) – 16QAM (5240.0 MHz) (20MHz Channel BW)



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Figure 239 Spurious Emissions (Upper Band Edge) – 256QAM (5240.0 MHz) (20MHz Channel BW)

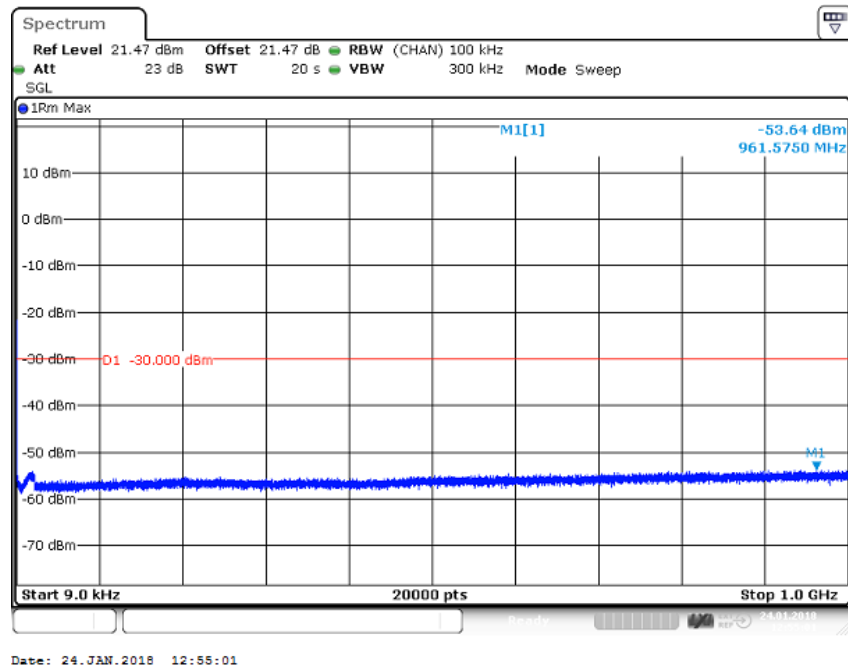
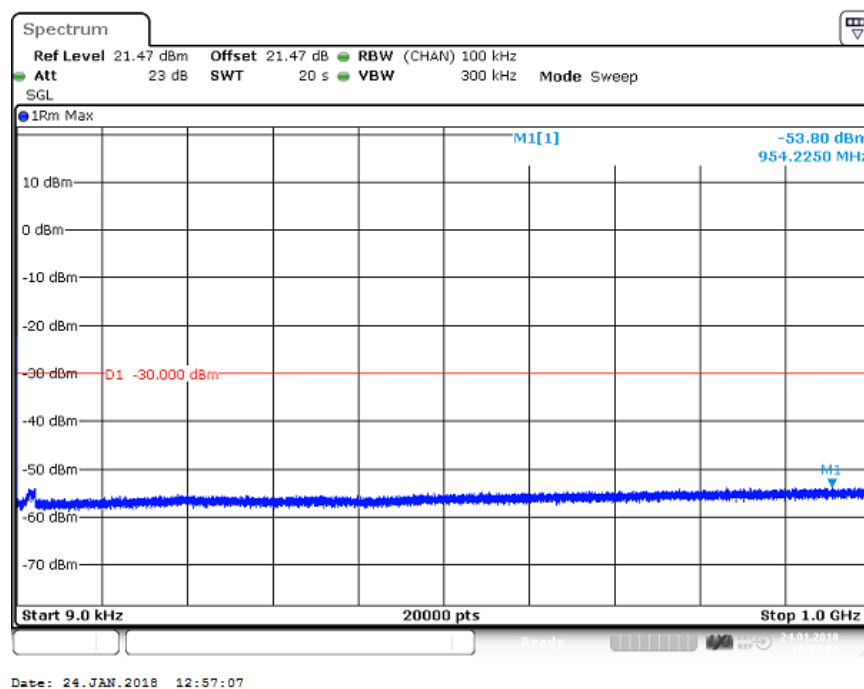


Figure 240 Spurious Emissions (9kHz – 1GHz) - QPSK (5220.0 MHz) (20MHz Channel BW)



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Figure 241 Spurious Emissions (9kHz – 1GHz) – 64QAM (5220.0 MHz) (20MHz Channel BW)

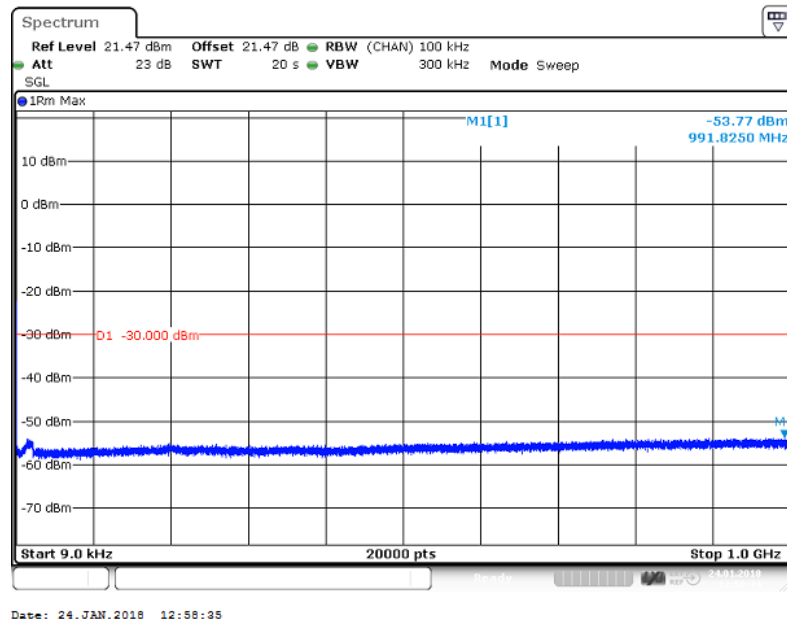


Figure 242 Spurious Emissions (9kHz – 1GHz) – 16QAM (5220.0 MHz) (20MHz Channel BW)

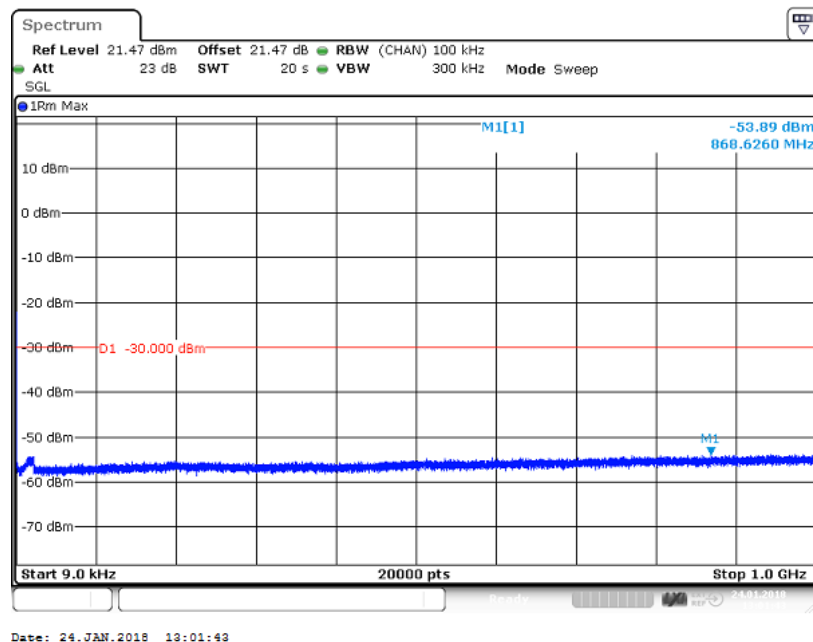


Figure 243 Spurious Emissions (9kHz – 1GHz) – 256QAM (5220.0 MHz) (20MHz Channel BW)

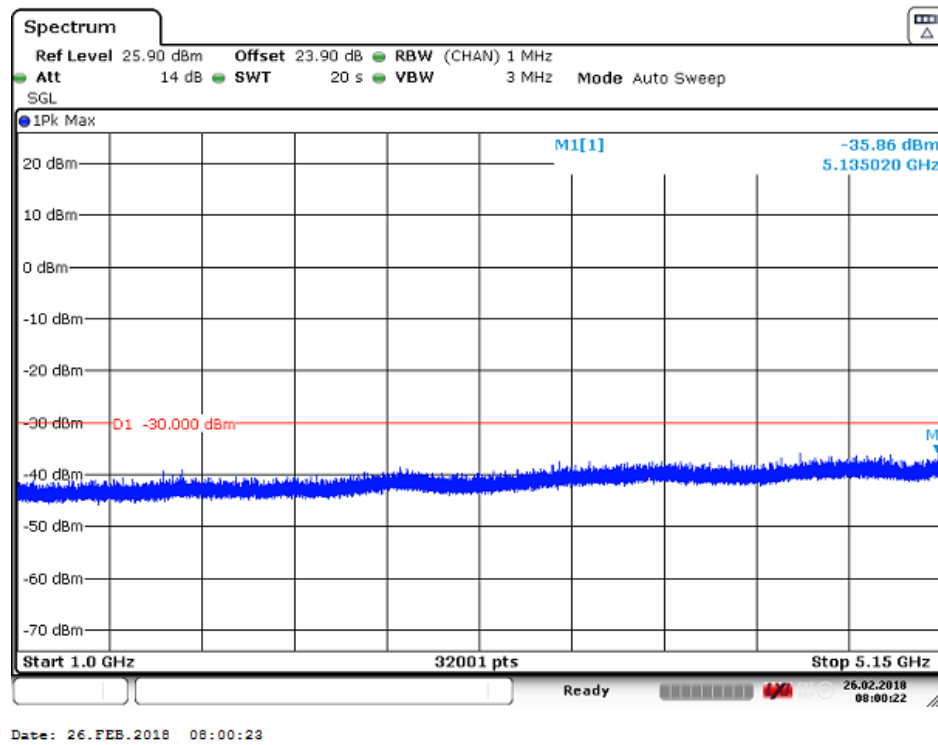


Figure 244 Spurious Emissions (1 GHz – 5.15 GHz) – QPSK (5220.0 MHz) (20MHz Channel BW)

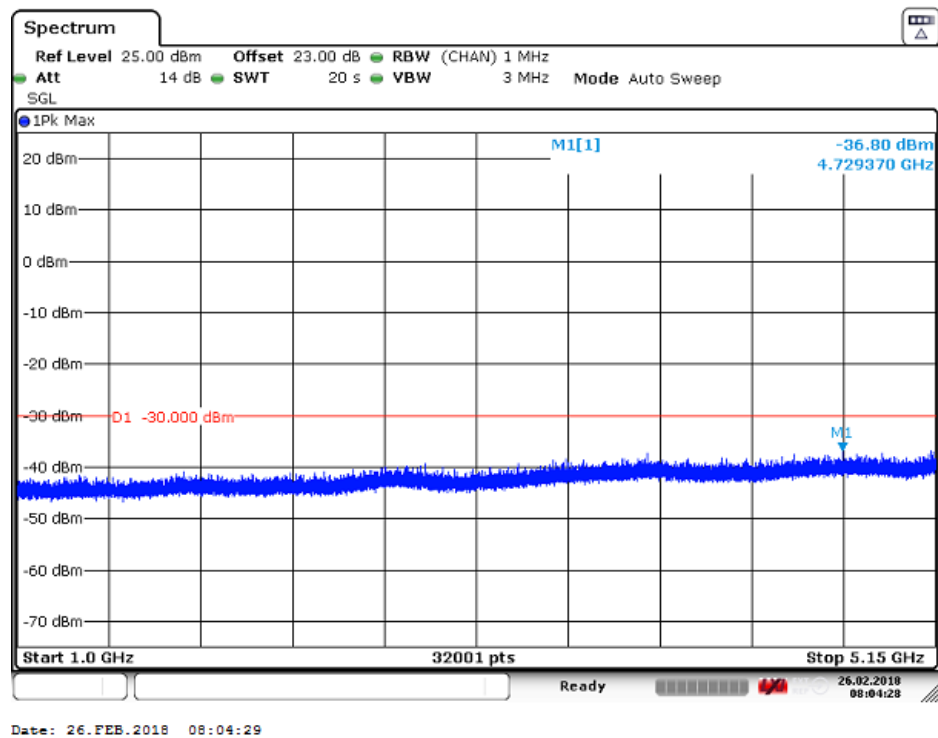


Figure 245 Spurious Emissions (1 GHz – 5.15 GHz) – 64QAM (5220.0 MHz) (20MHz Channel BW)

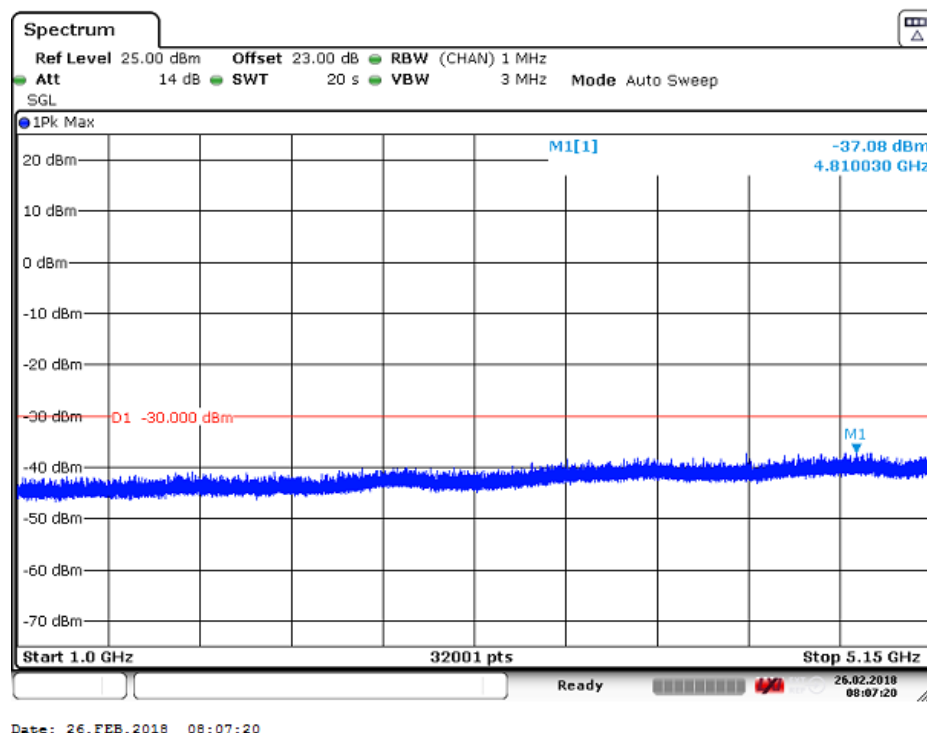


Figure 246 Spurious Emissions (1 GHz – 5.15 GHz) – 16QAM (5220.0 MHz) (20MHz Channel BW)

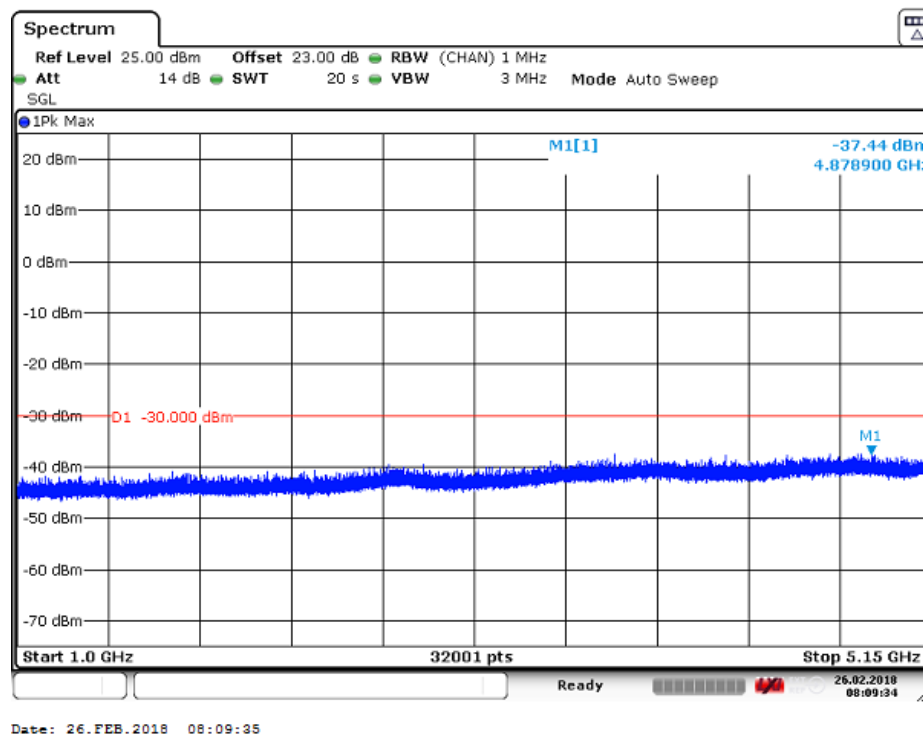


Figure 247 Spurious Emissions (1 GHz – 5.15 GHz) – 256QAM (5220.0 MHz) (20MHz Channel BW)

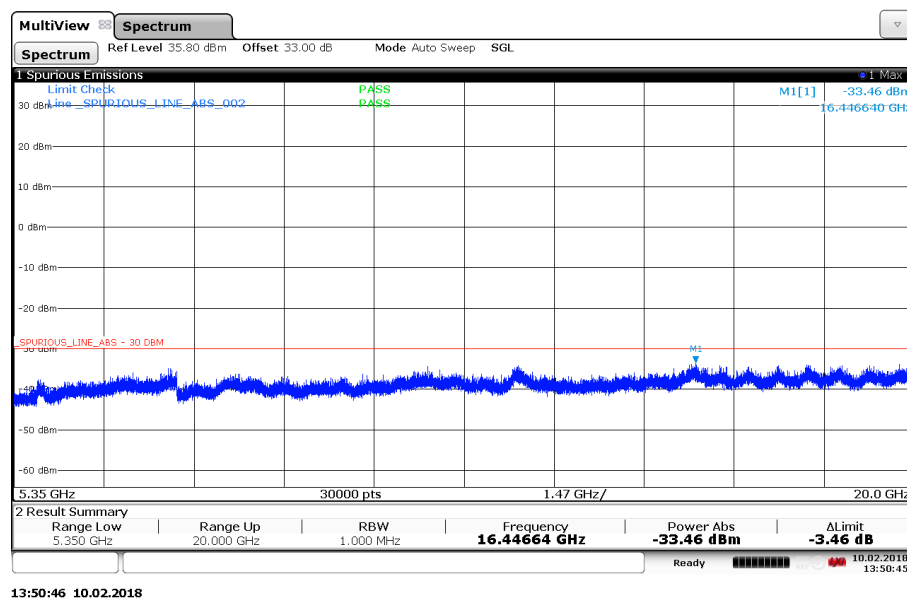


Figure 248 Spurious Emissions (5.35 GHz – 20 GHz) – QPSK (5220.0 MHz) (20MHz Channel BW)

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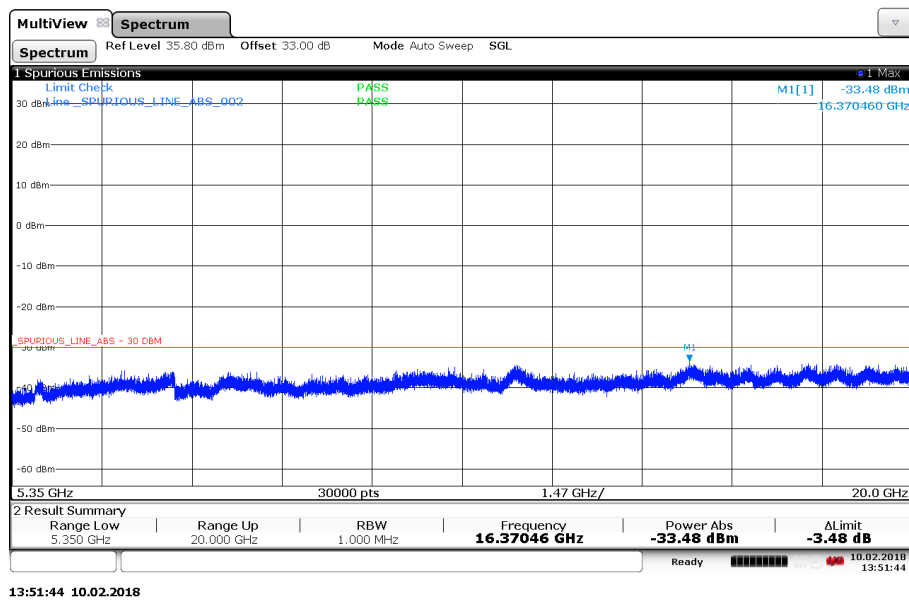


Figure 249 Spurious Emissions (5.35 GHz – 20 GHz) – 64QAM (5220.0 MHz) (20MHz Channel BW)

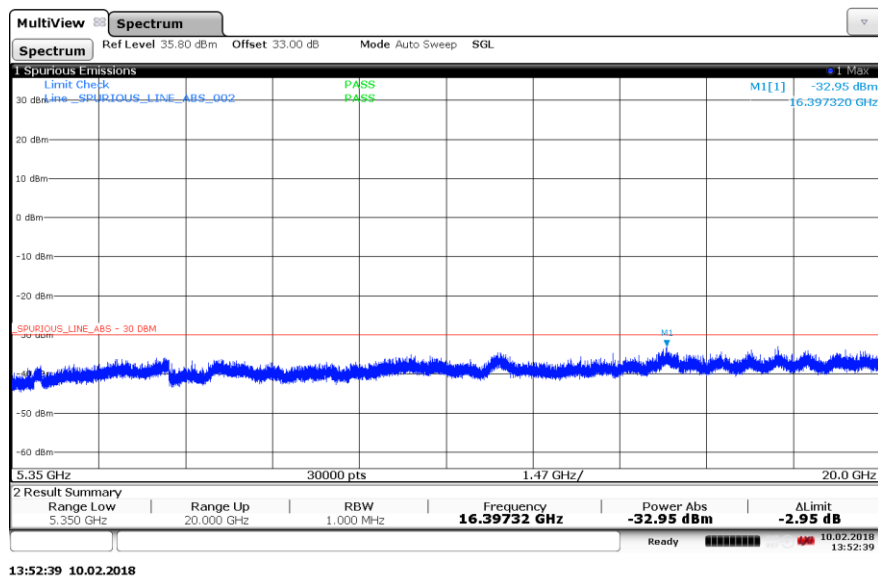


Figure 250 Spurious Emissions (5.35 GHz – 20 GHz) – 16QAM (5220.0 MHz) (20MHz Channel BW)

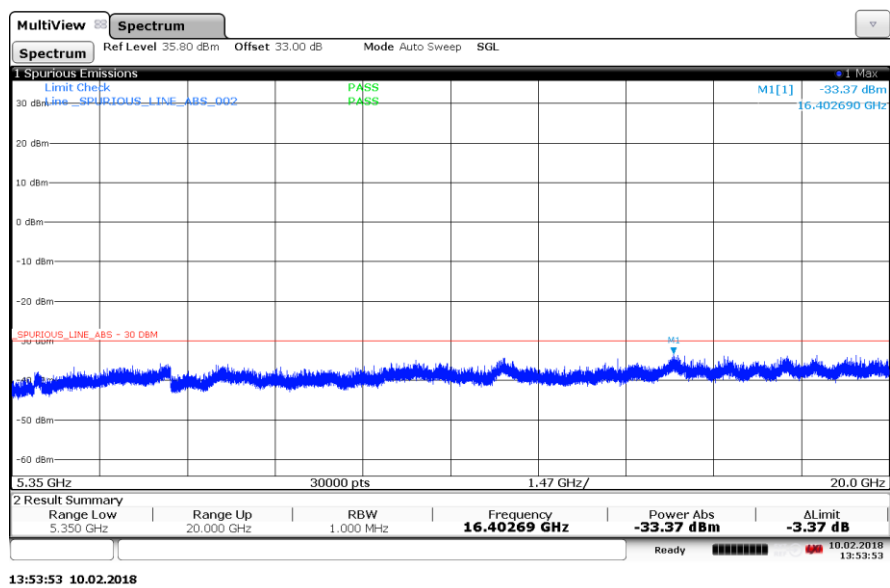


Figure 251 Spurious Emissions (5.35 GHz – 20 GHz) – 256QAM (5220.0 MHz) (20MHz Channel BW)

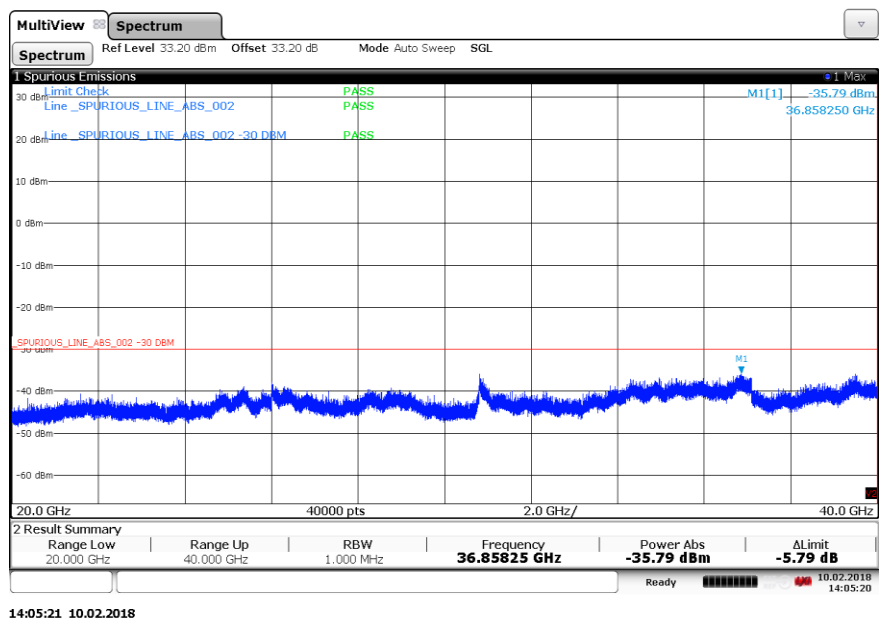


Figure 252 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5220.0 MHz) (20MHz Channel BW)

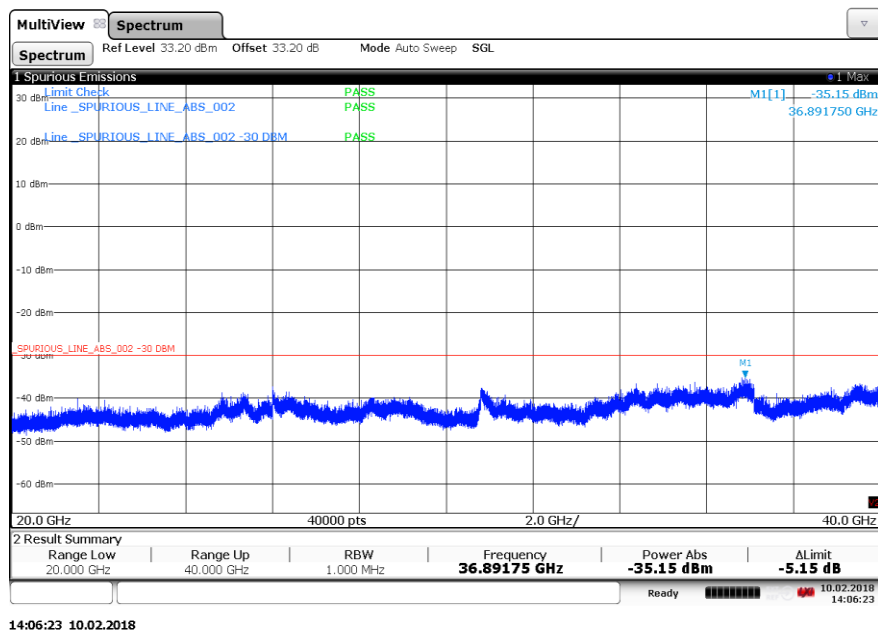


Figure 253 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5220.0 MHz) (20MHz Channel BW)

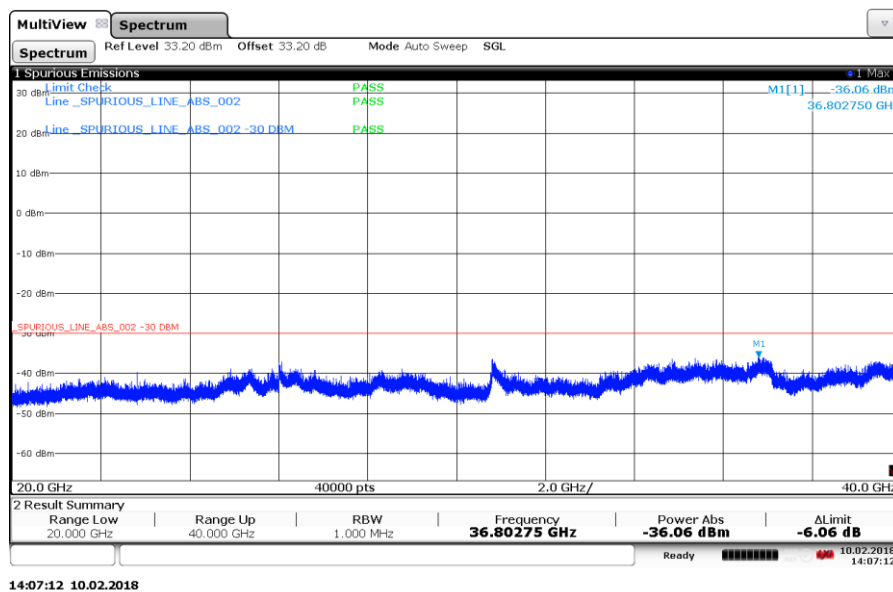


Figure 254 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5220.0 MHz) (20MHz Channel BW)

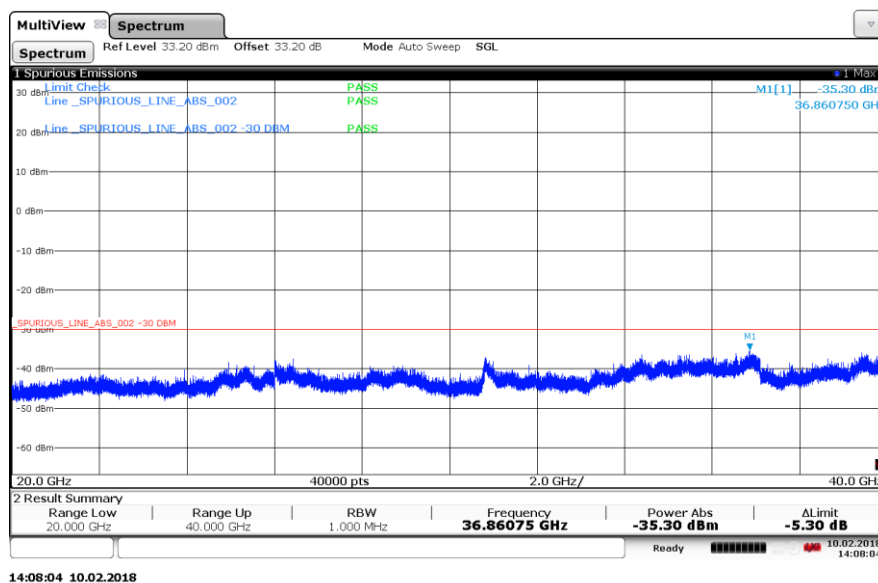


Figure 255 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5220.0 MHz) (20MHz Channel BW)

Config B ANT2:

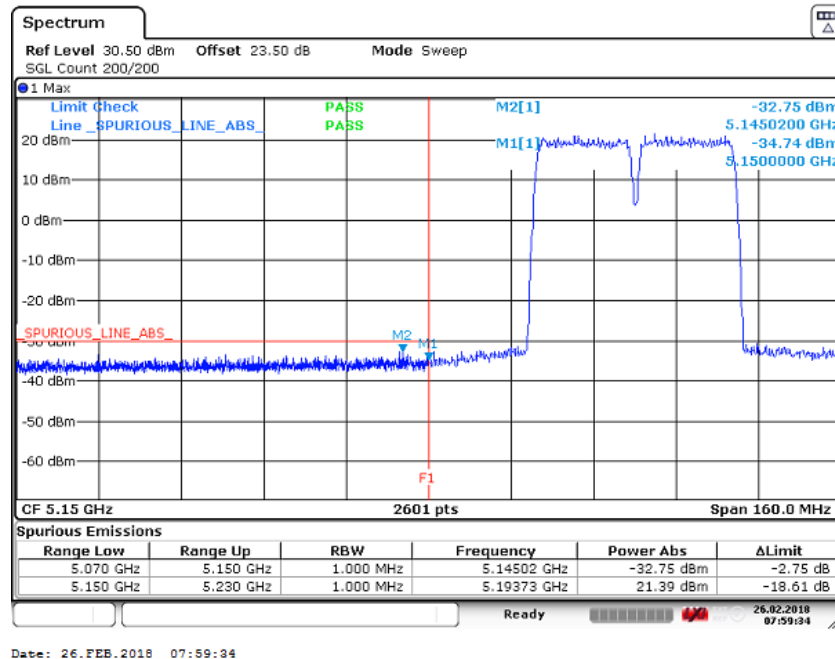


Figure 256 Spurious Emissions (Lower Band Edge) – QPSK (5180.0/ 5200.0 MHz) (2 X 20MHz Channel BW)

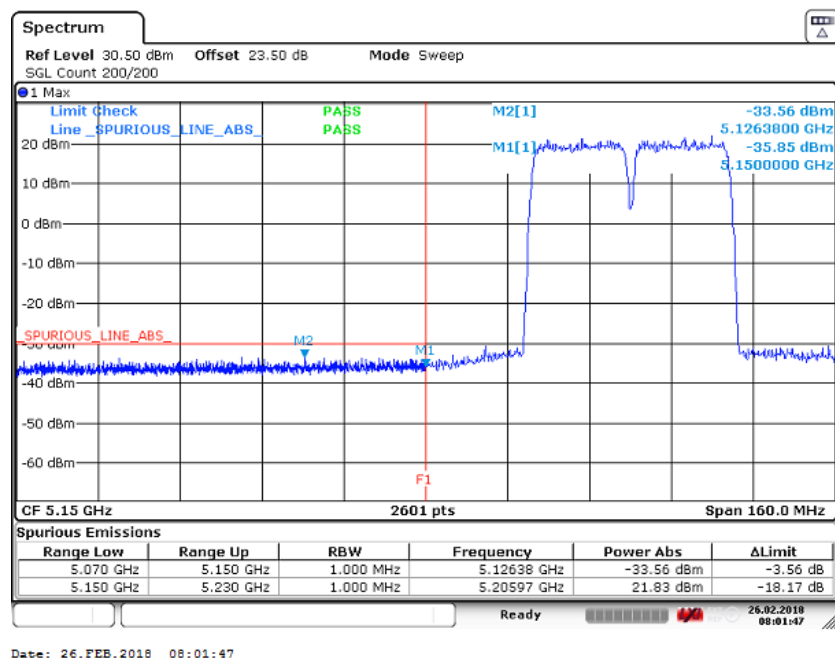


Figure 257 Spurious Emissions (Lower Band Edge) – 64QAM (5180.0/ 5200.0 MHz) (2 X 20MHz Channel BW)

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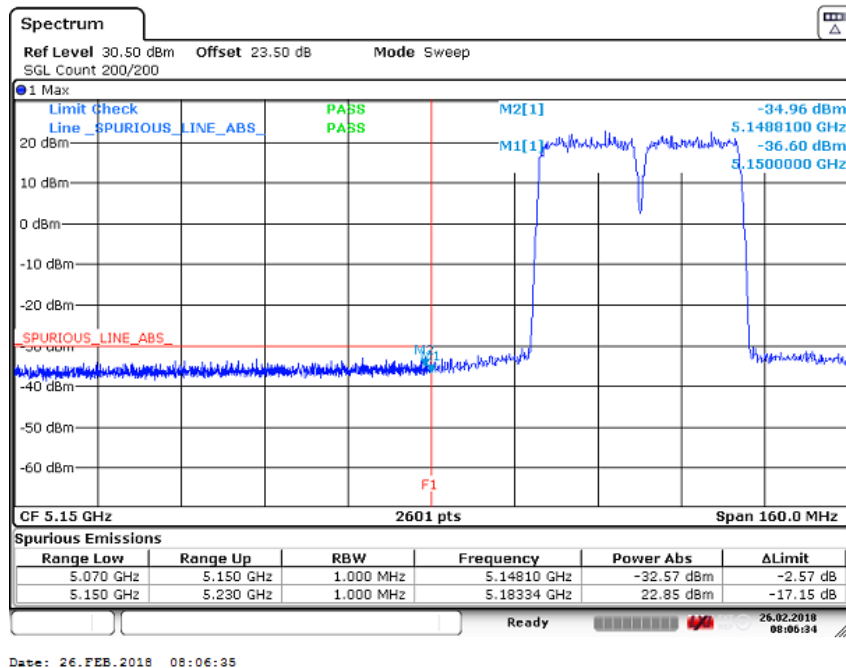


Figure 258 Spurious Emissions (Lower Band Edge) – 16QAM (5180.0/ 5200.0 MHz) (2 X 20MHz Channel BW)

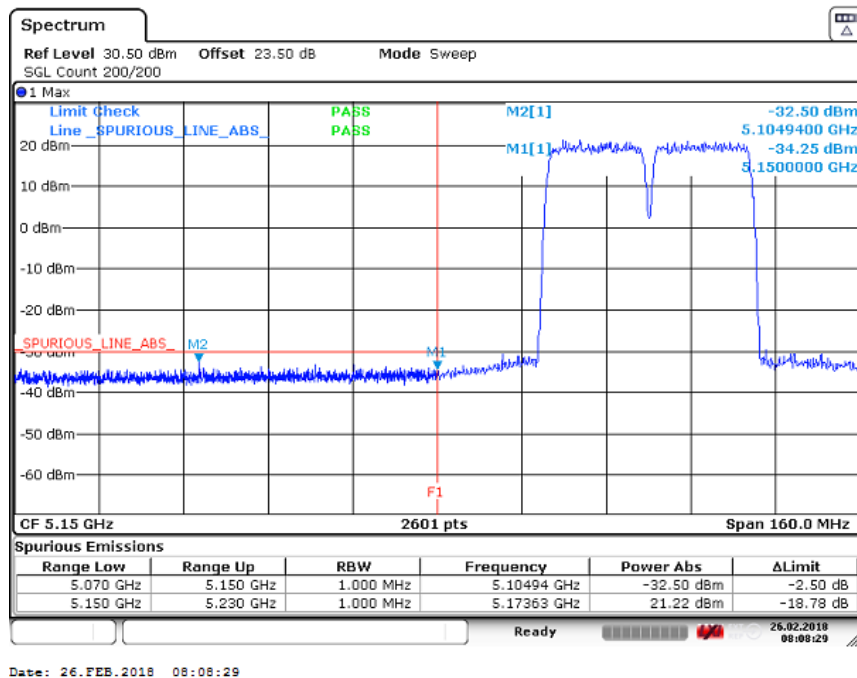


Figure 259 Spurious Emissions (Lower Band Edge) – 256QAM (5180.0/ 5200.0 MHz) (2 X 20MHz Channel BW)

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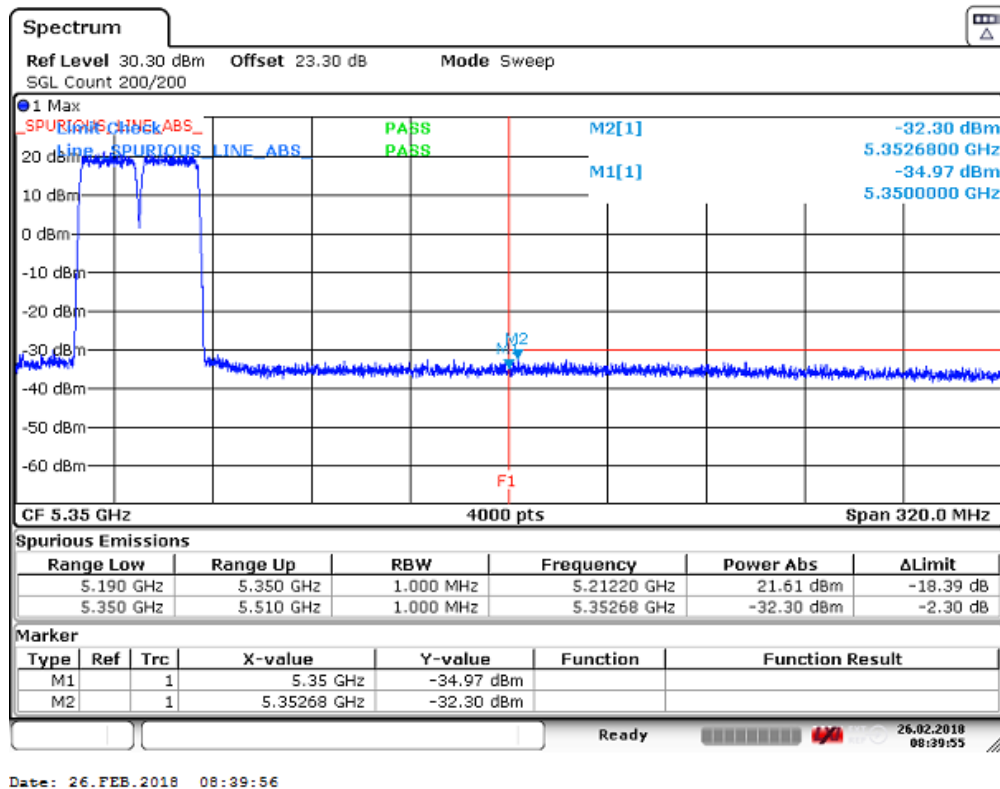
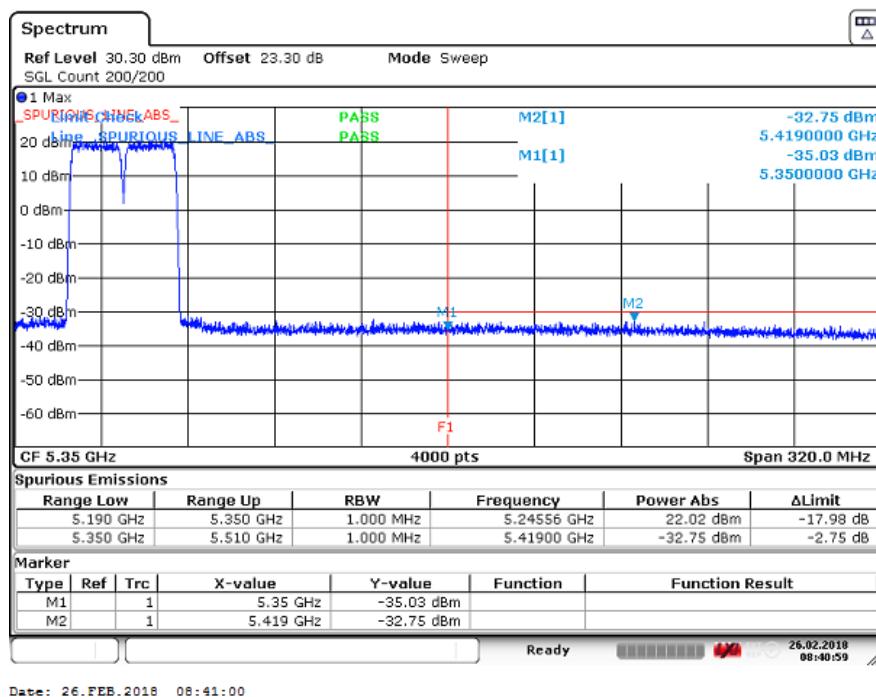


Figure 260 Spurious Emissions (Upper Band Edge) – QPSK (5220.0/ 5240.0 MHz) (2 X 20MHz Channel BW)



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Spectrum

Ref Level 30.30 dBm Offset 23.30 dB Mode Sweep

SGL Count 200/200

1 Max

SPURIOUS CHINE ABS

LINE CHECK

LINE ABS

PASS

PASS

M2[1]

M1[1]

-32.49 dBm

5.3649200 GHz

-35.86 dBm

5.3500000 GHz

CF 5.35 GHz

4000 pts

Span 320.0 MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.190 GHz	5.350 GHz	1.000 MHz	5.23636 GHz	21.98 dBm	-18.02 dB
5.350 GHz	5.510 GHz	1.000 MHz	5.36492 GHz	-32.49 dBm	-2.49 dB

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.35 GHz	-35.86 dBm		
M2		1	5.36492 GHz	-32.49 dBm		

Ready

26.02.2018 08:42:21

Date: 26.FEB.2018 08:42:21

Spectrum

Ref Level 30.30 dBm Offset 23.30 dB Mode Sweep
 SGL Count 200/200

1 Max
 SPURIOUS LINE ABS.
 SPURIOUS LINE ABS.

PASS PASS

M2[1] -32.87 dBm
 5.3658000 GHz
 M1[1] -36.42 dBm
 5.3500000 GHz

CF 5.35 GHz 4000 pts Span 320.0 MHz

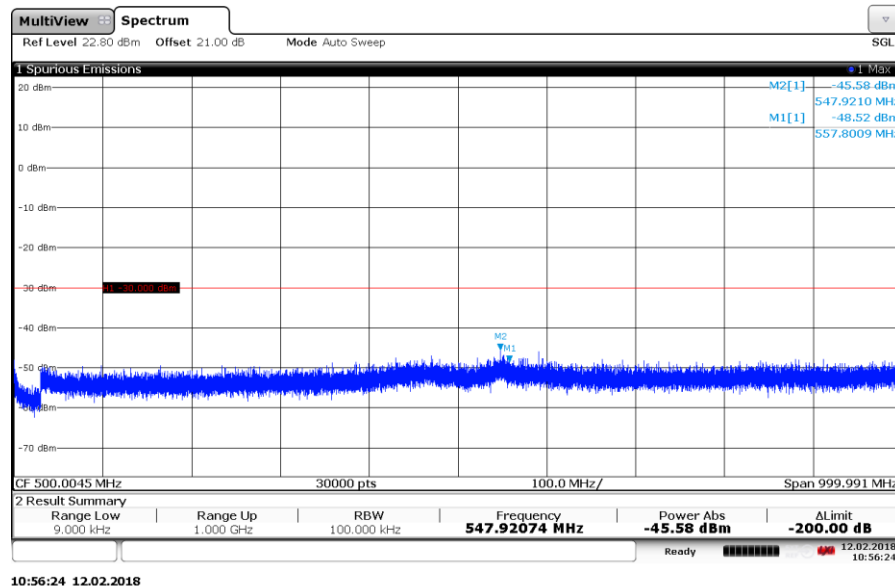
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.190 GHz	5.350 GHz	1.000 MHz	5.22556 GHz	21.96 dBm	-18.04 dB
5.350 GHz	5.510 GHz	1.000 MHz	5.36580 GHz	-32.87 dBm	-2.87 dB

Marker

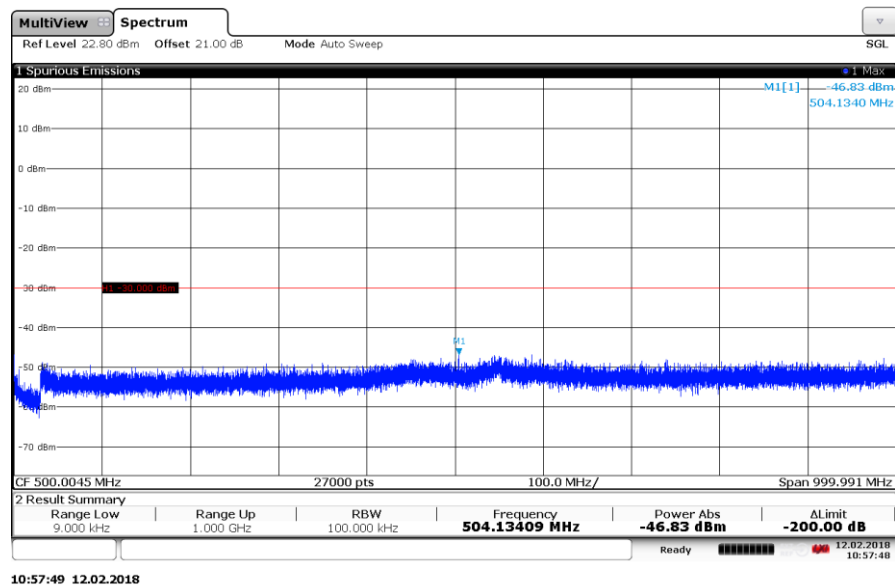
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.35 GHz	-36.42 dBm		
M2	1		5.3658 GHz	-32.87 dBm		

Ready 26.02.2018 08:43:42

**Figure 263 Spurious Emissions (Upper Band Edge) – 256QAM (5220.0/ 5240.0 MHz)
(2 X 20MHz Channel BW)**



**Figure 264 Spurious Emissions (9kHz – 1GHz) - QPSK (5200.0/ 5220.0 MHz) (2 X
20MHz Channel BW)**



**Figure 265 Spurious Emissions (9kHz – 1GHz) – 64QAM (5200.0/ 5220.0 MHz) (2 X
20MHz Channel BW)**

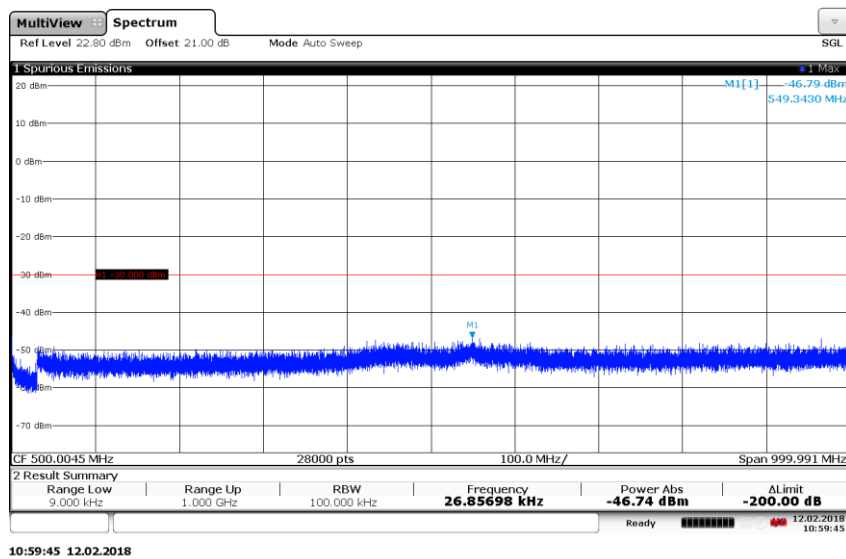


Figure 266 Spurious Emissions (9kHz – 1GHz) – 16QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

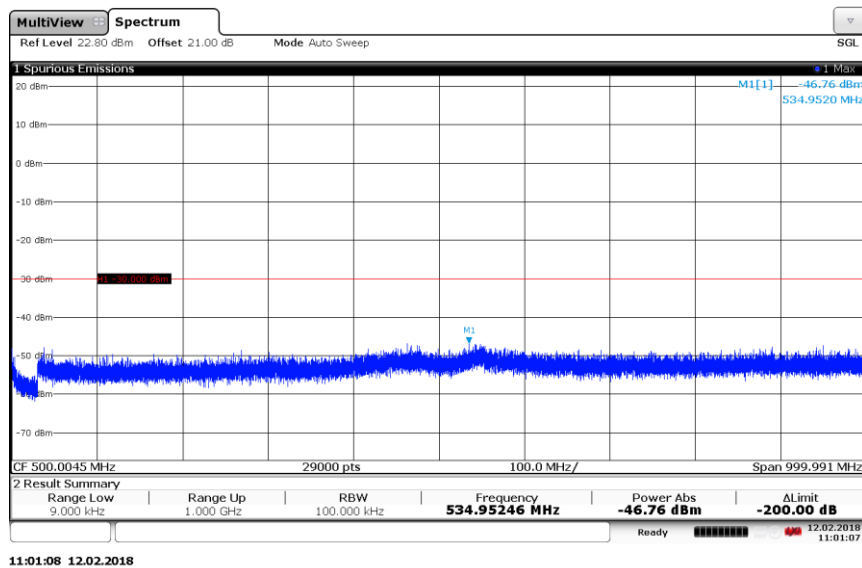


Figure 267 Spurious Emissions (9kHz – 1GHz) – 256QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

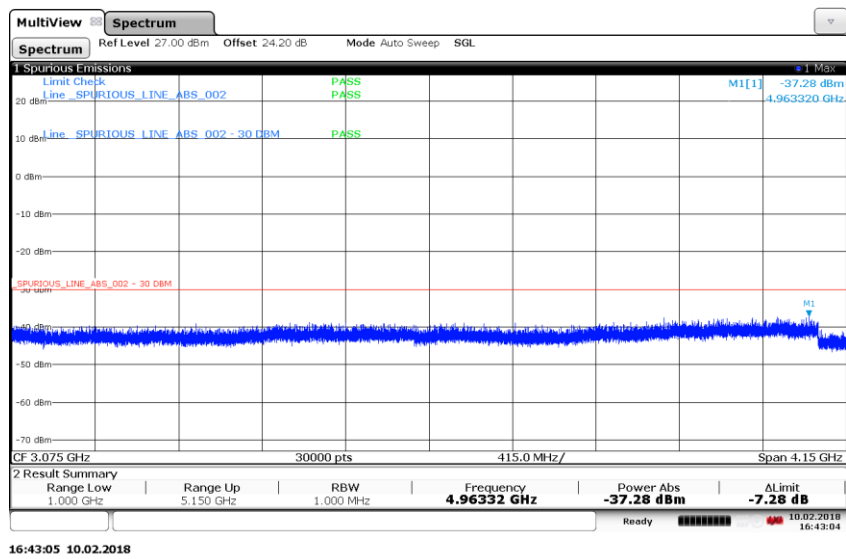


Figure 268 Spurious Emissions (1 GHz – 5.15 GHz) – QPSK (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

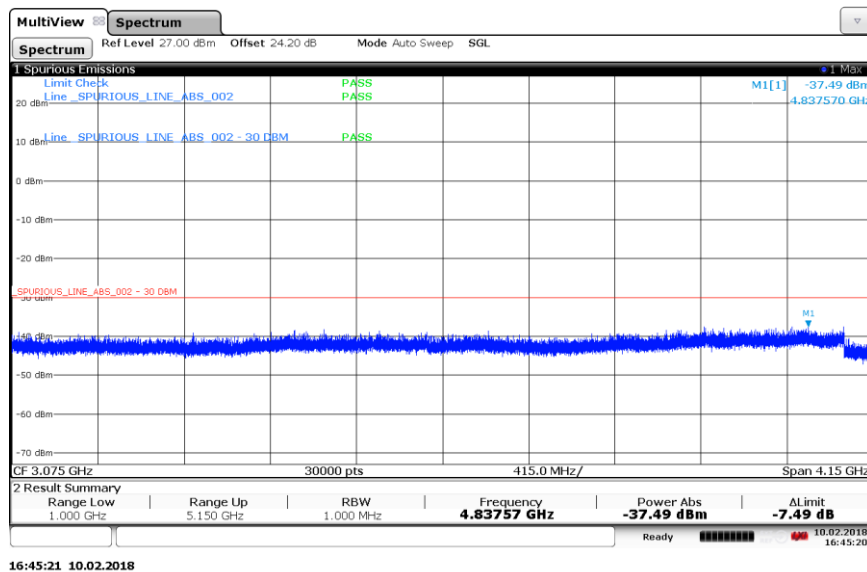


Figure 269 Spurious Emissions (1 GHz – 5.15 GHz) – 64QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

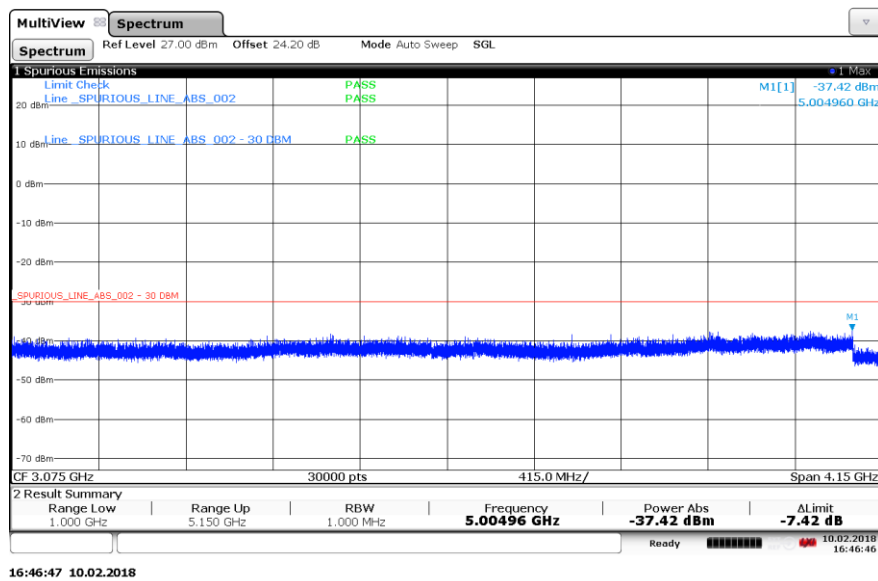


Figure 270 Spurious Emissions (1 GHz – 5.15 GHz) – 16QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

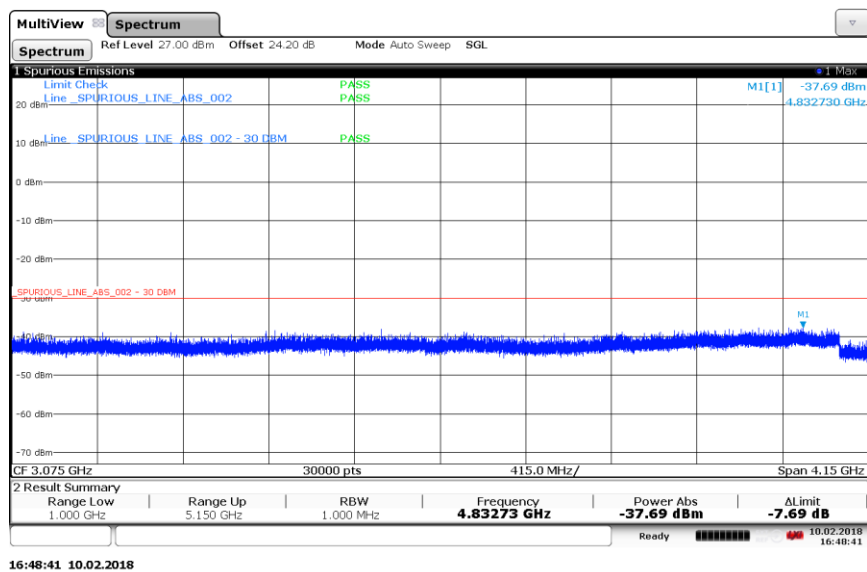


Figure 271 Spurious Emissions (1 GHz – 5.15 GHz) – 256QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

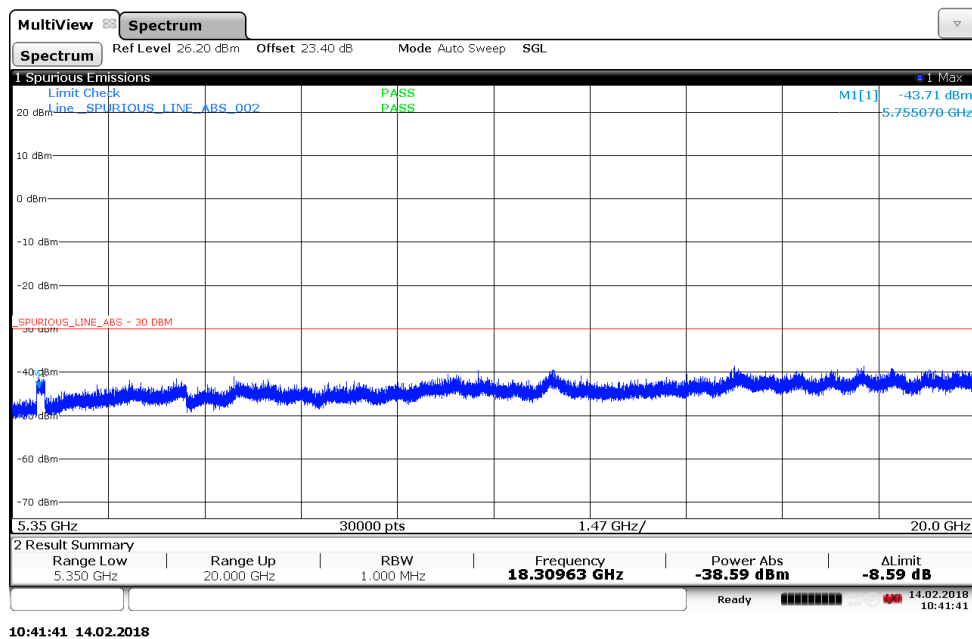


Figure 272 Spurious Emissions (5.35 GHz – 20 GHz) – QPSK (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

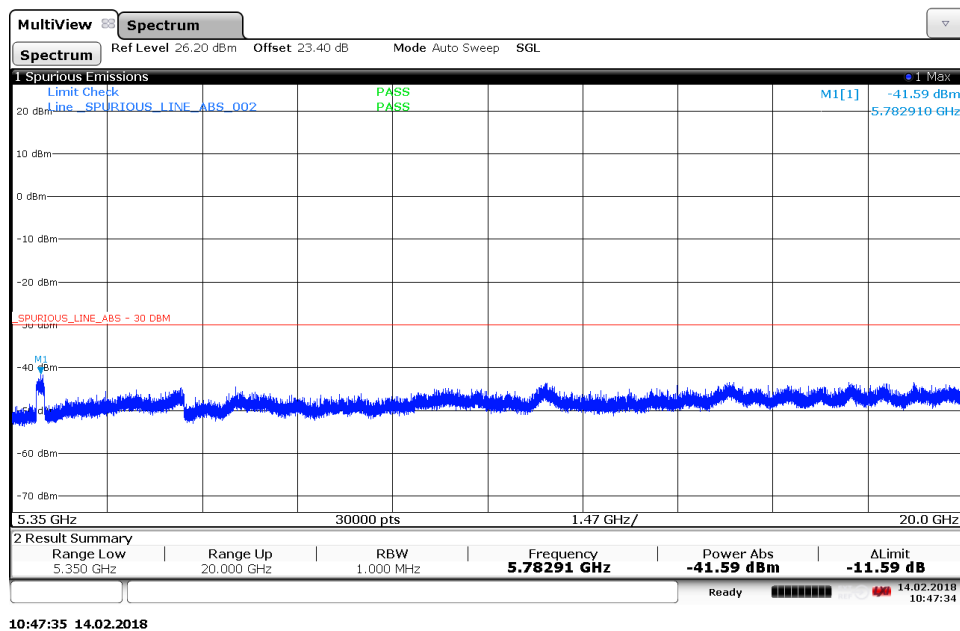


Figure 273 Spurious Emissions (5.35 GHz – 20 GHz) – 64QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

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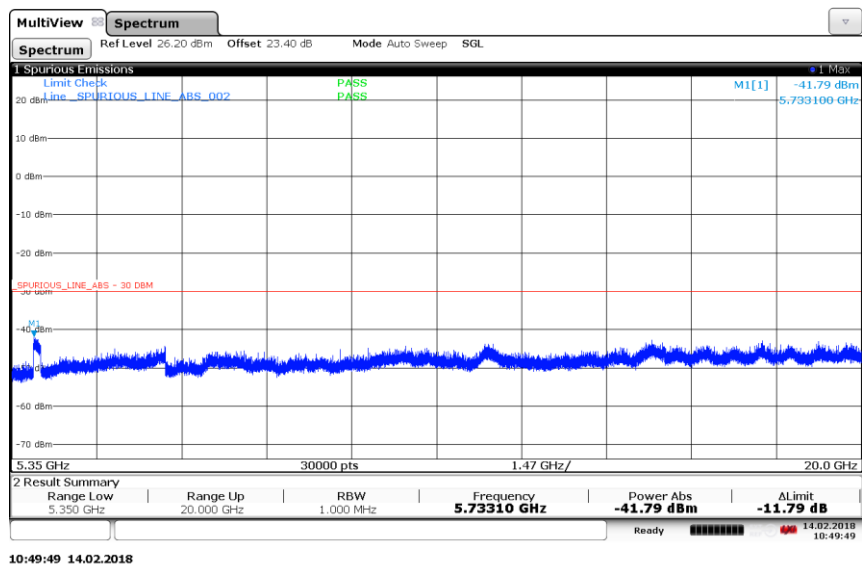


Figure 274 Spurious Emissions (5.35 GHz – 20 GHz) – 16QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

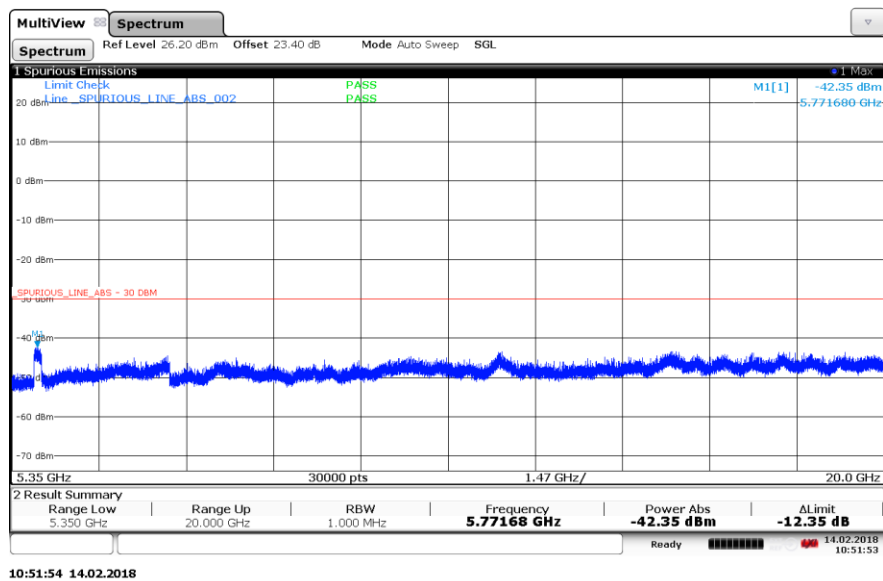


Figure 275 Spurious Emissions (5.35 GHz – 20 GHz) – 256QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

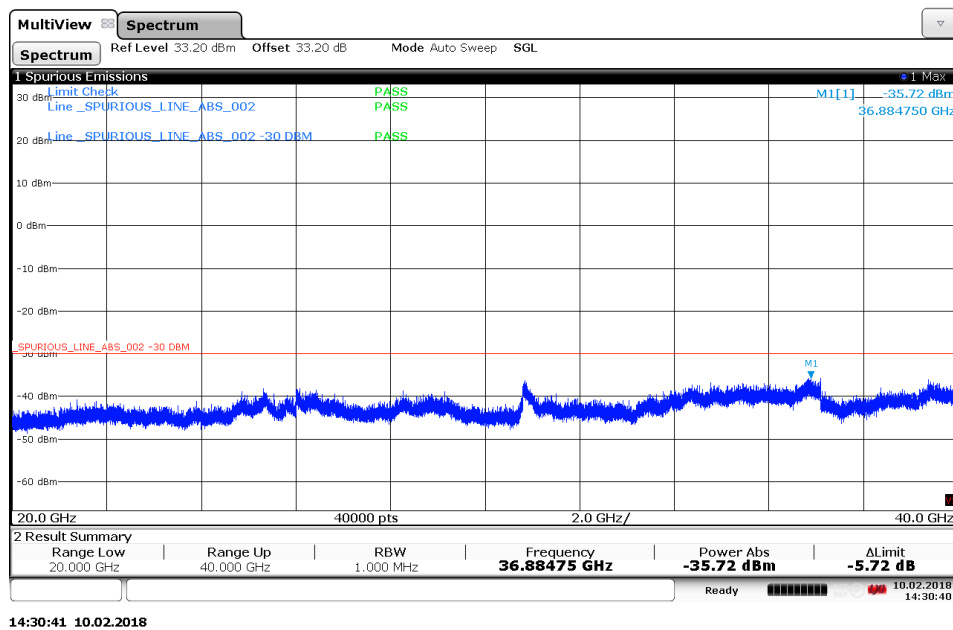


Figure 276 Spurious Emissions (20 GHz – 40 GHz) – QPSK (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

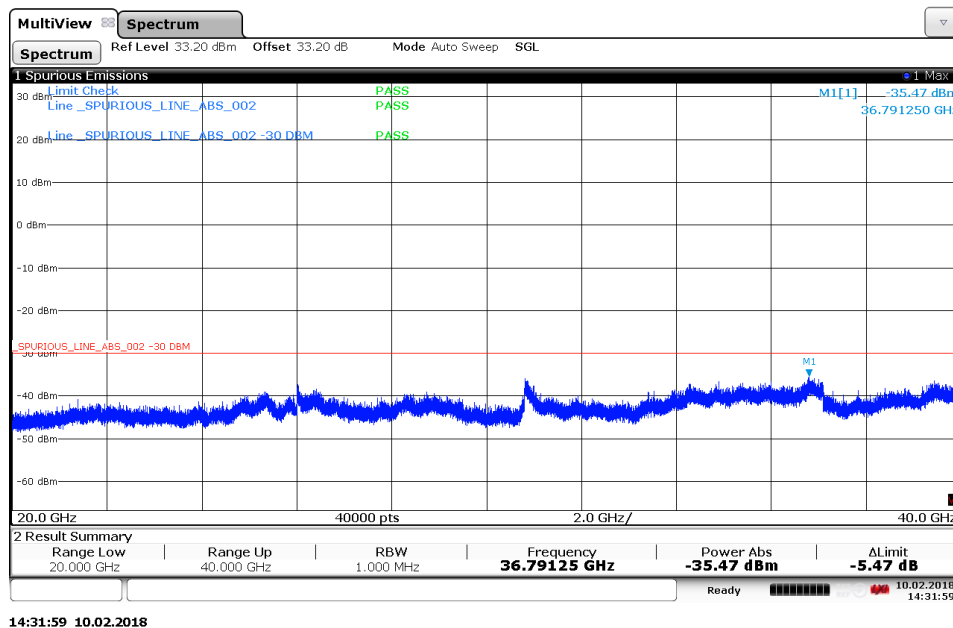


Figure 277 Spurious Emissions (20 GHz – 40 GHz) – 64QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

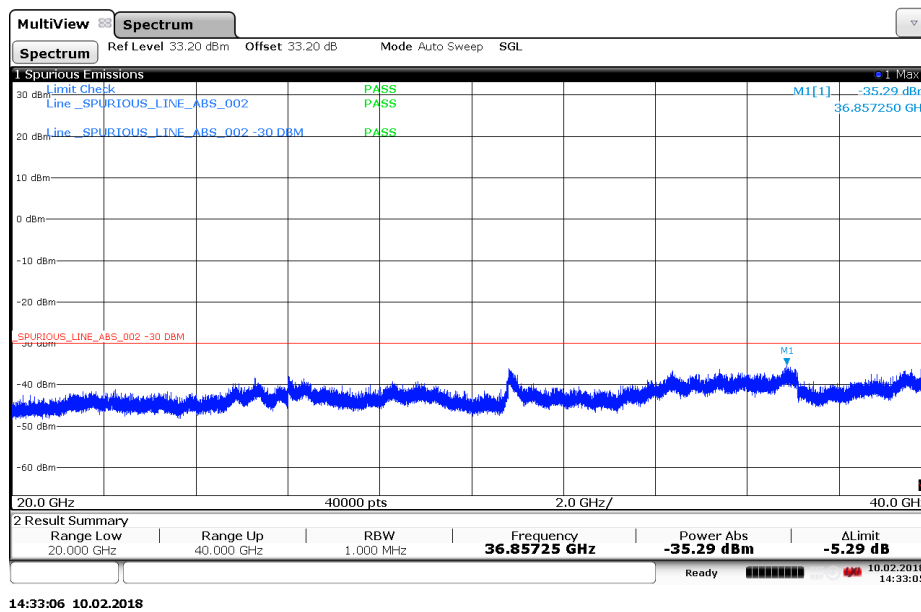


Figure 278 Spurious Emissions (20 GHz – 40 GHz) – 16QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

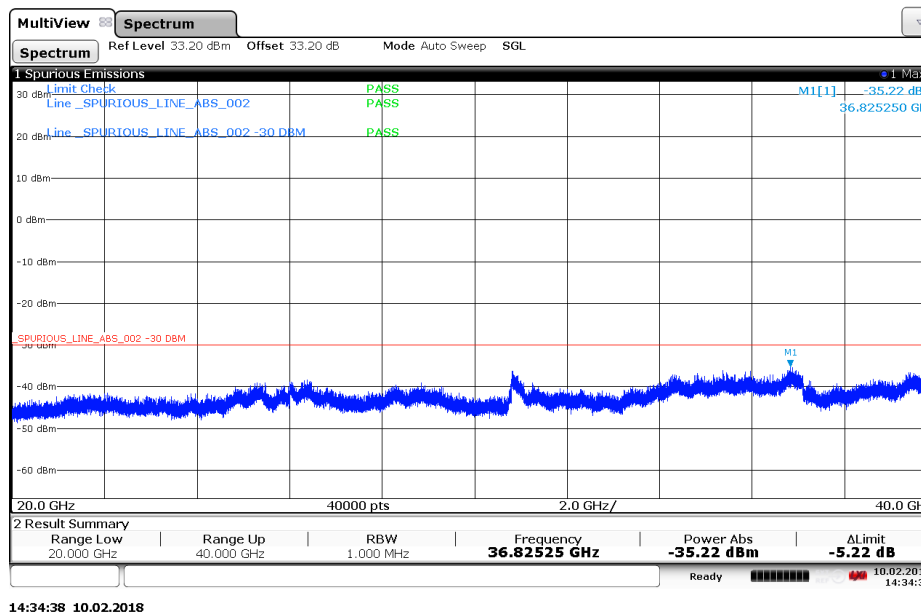


Figure 279 Spurious Emissions (20 GHz – 40 GHz) – 256QAM (5200.0/ 5220.0 MHz) (2 X 20MHz Channel BW)

Config C ANT2:

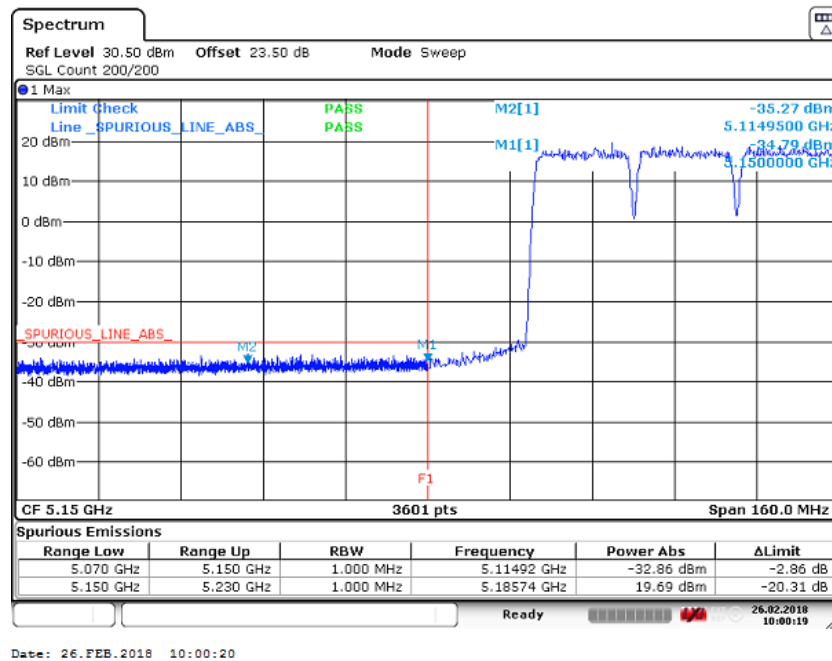


Figure 280 Spurious Emissions (Lower Band Edge) – QPSK (5180.0/ 5200.0/ 5220.0 MHz) (20MHz Channel BW)

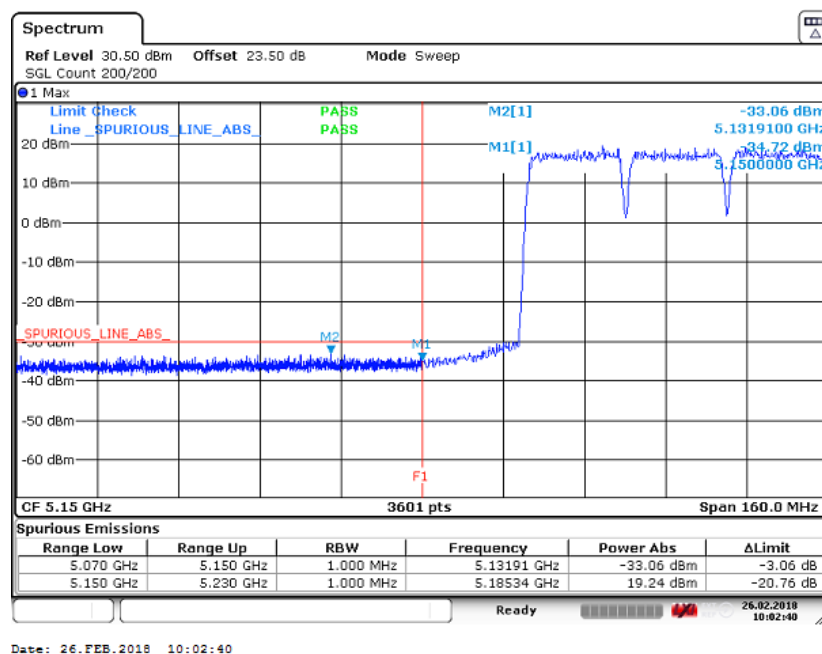


Figure 281 Spurious Emissions (Lower Band Edge) – 64QAM (5180.0/ 5200.0/ 5220.0 MHz) (3 X 20MHz Channel BW)

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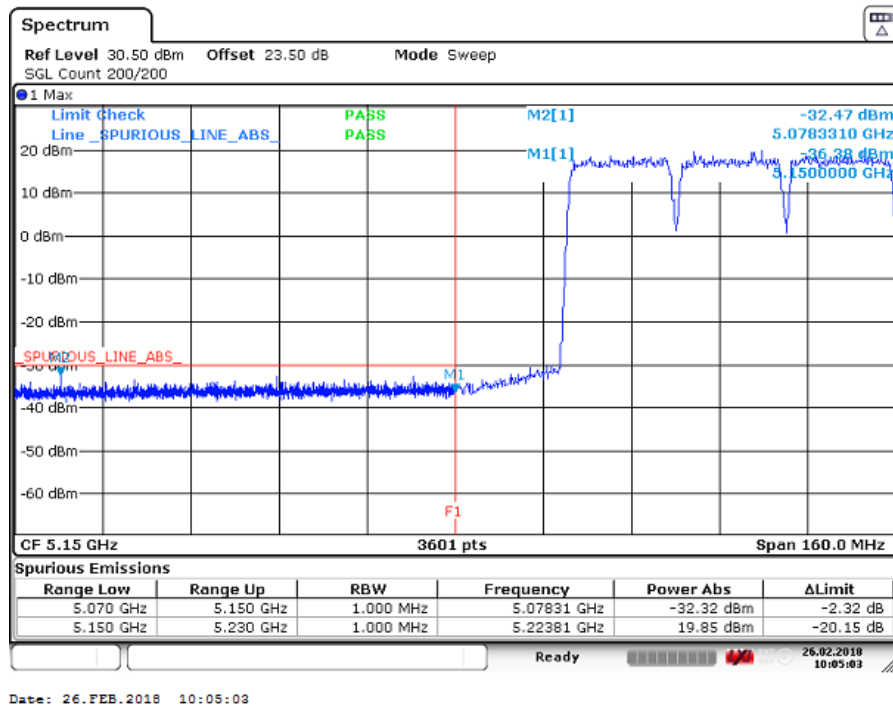


Figure 282 Spurious Emissions (Lower Band Edge) – 16QAM (5180.0/ 5200.0/ 5220.0 MHz) (3 X 20MHz Channel BW)

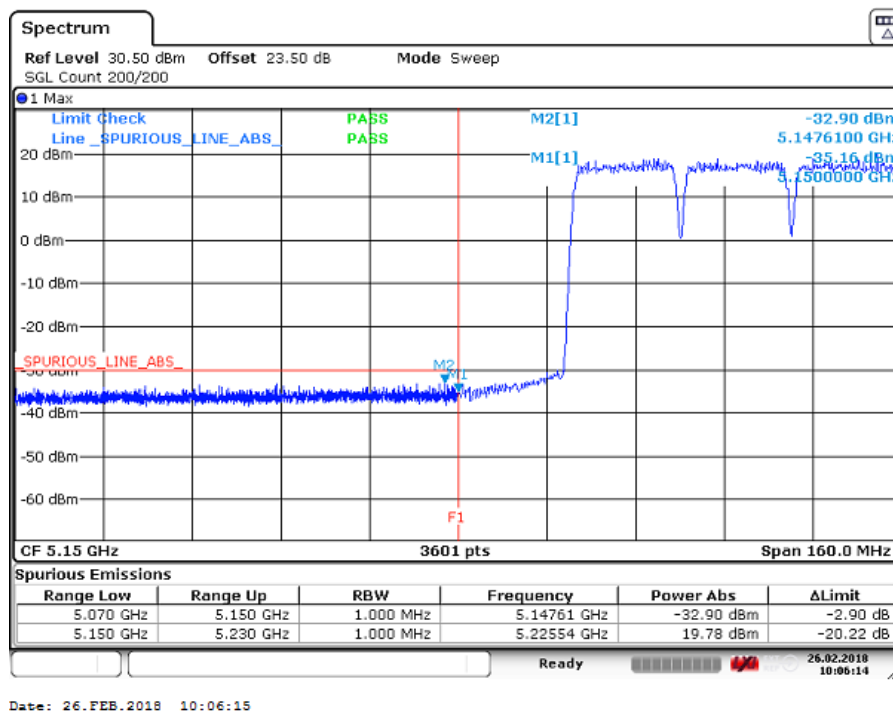


Figure 283 Spurious Emissions (Lower Band Edge) – 256QAM (5180.0/ 5200.0/ 5220.0 MHz) (3 X 20MHz Channel BW)

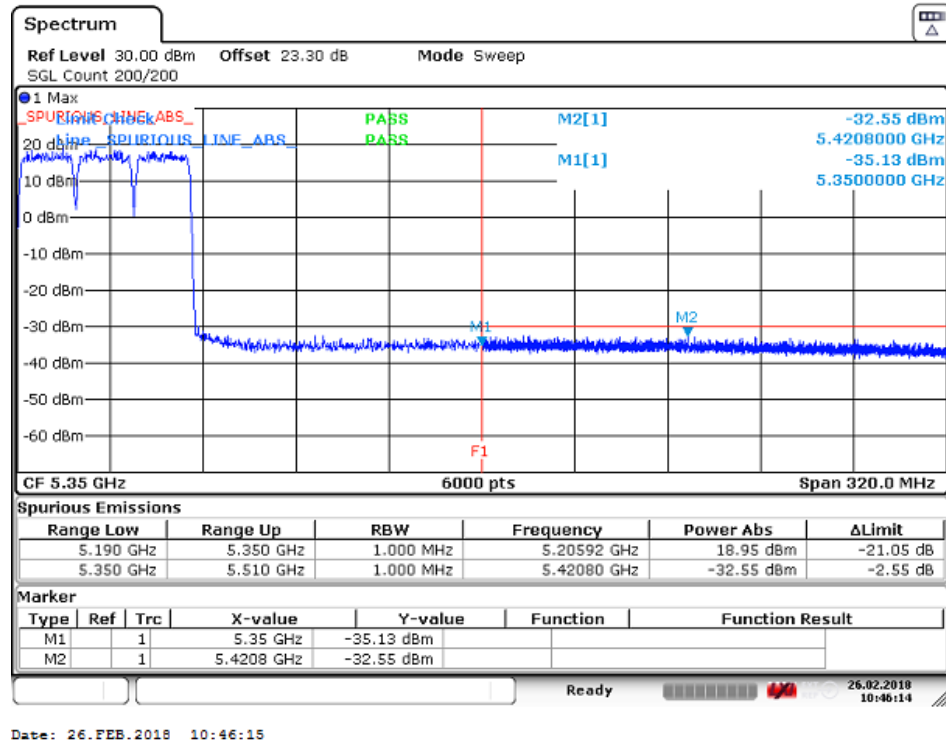


Figure 284 Spurious Emissions (Upper Band Edge) – QPSK (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)



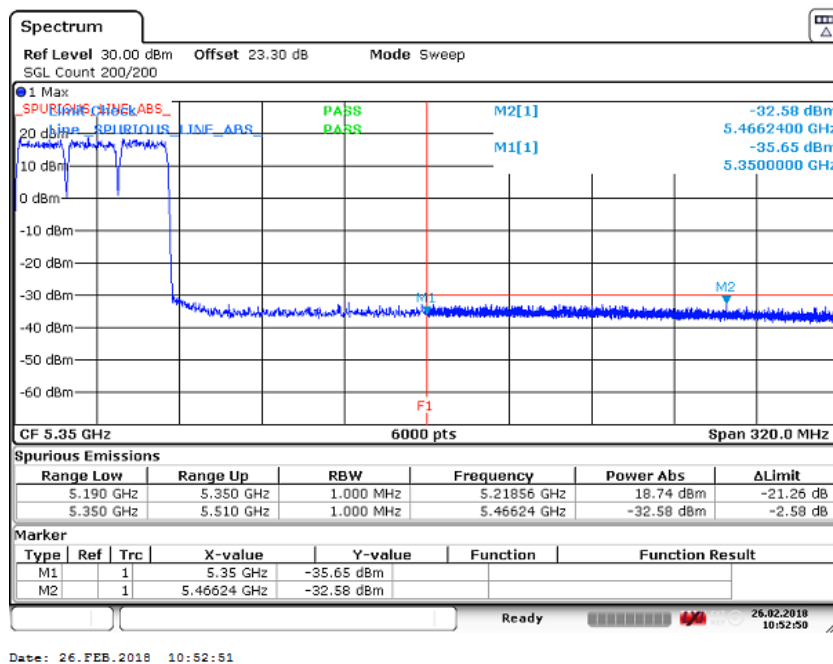


Figure 287 Spurious Emissions (Upper Band Edge) – 256QAM (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)

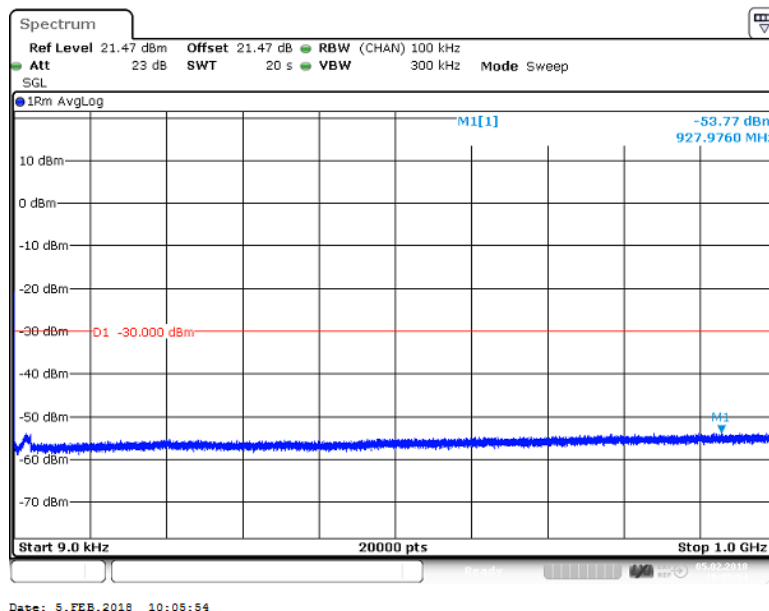


Figure 288 Spurious Emissions (9kHz – 1GHz) - QPSK (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)

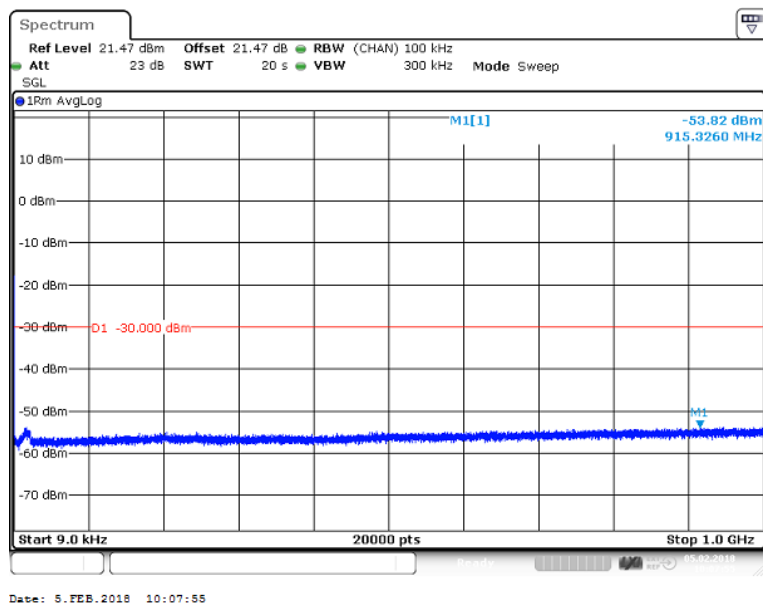


Figure 289 Spurious Emissions (9kHz – 1GHz) – 64QAM (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)

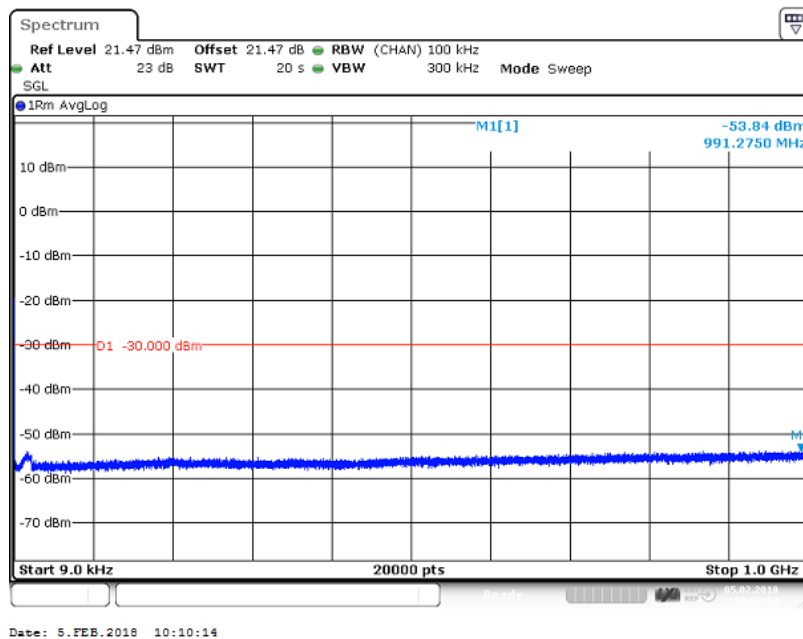


Figure 290 Spurious Emissions (9kHz – 1GHz) – 16QAM (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)

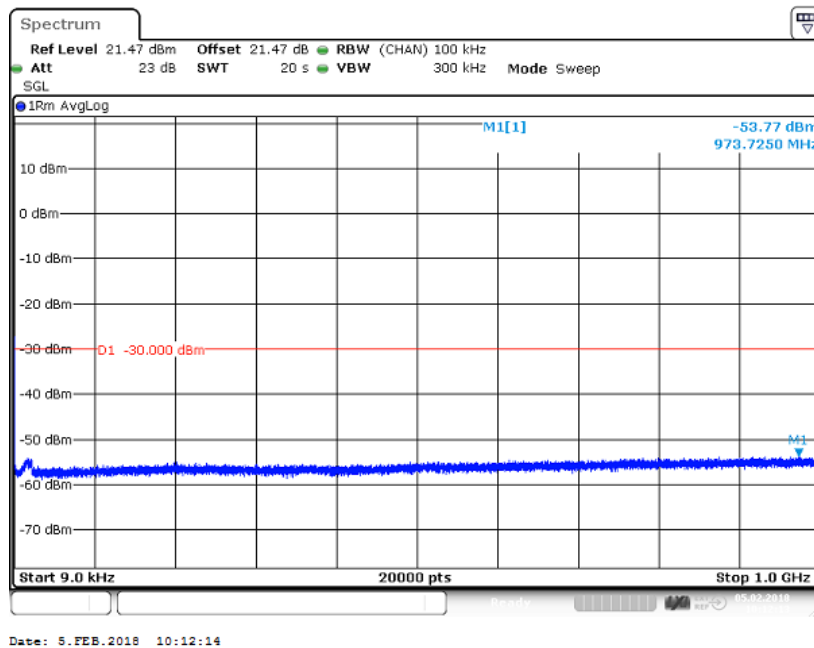


Figure 291 Spurious Emissions (9kHz – 1GHz) – 256QAM (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)

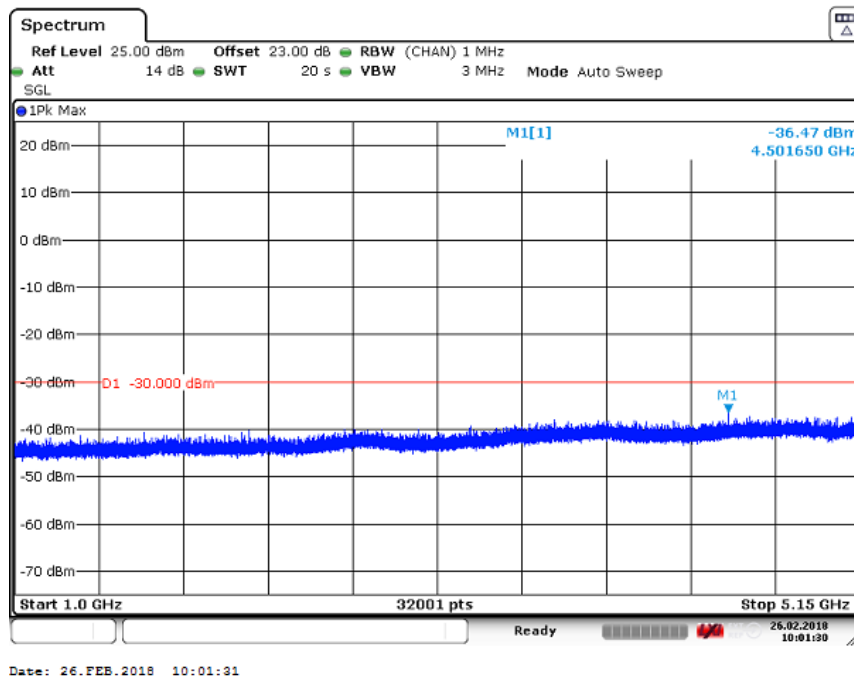


Figure 292 Spurious Emissions (1 GHz – 5.15 GHz) – QPSK (5200.0/ 5220.0/ 5240.0 MHz) (3 X 20MHz Channel BW)

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